



CEYLON PETROLEUM CORPORATION

(Ministry of Energy)

PROCUREMENT DOCUMENT

FOR

MODIFICATION OF LANKA FILLING STATIONS

(Eppawala, Deniyaya, Puttalam, Balangoda, Mahiyanganaya, Karaliyadda
and Mirigama)

B/52/2026

**Ceylon Petroleum Corporation
No. 609, Dr. Danister De Silva Mawatha
Colombo 09**

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Invitation for Bids (IFB)

Ceylon Petroleum Corporation (Ministry of Energy)

Modifications of Lanka Filling Stations – Eppawala, Deniyaya, Puttalam, Balangoda, Mahiyanganaya, Karaliyadda and Mirigama

B/52/2026

1. The Chairman *Department Procurement Committee* on behalf of the *Ceylon Petroleum Corporation* now invites sealed bids from eligible and qualified bidders for ***Modifications of Lanka Filling Stations – Eppawala, Deniyaya, Puttalam, Balangoda, Mahiyanganaya, Karaliyadda and Mirigama*** as described below and estimated to cost of Rs. 227,000,000.00 + Taxes.

The construction period is 06 Months.

2. Bidding will be conducted through National Competitive Bidding Procedure.
3. To be eligible for contract award, the successful bidder shall not have been blacklisted, shall meet the following requirements *and shall meet the CIDA registration C5 or above.*
4. Interested bidders may obtain further information from Ceylon Petroleum Corporation, Manager (Procurement & Stores), No. 609, Dr. Danister De Silva Mawatha, Colombo 09 via e-mail procuregenral@ceypetco.gov.lk and inspect the bidding documents at the address given below.
6. A complete set of Bidding Documents in English language can be obtained on working days between 0900 hrs. to 1500 hrs. up to 10.09.2026 from the office of Manager (Procurement & Stores), Ceylon Petroleum Corporation, 01st Floor, No.609, Dr. Danister De Silva Mawatha, Colombo 09, on a written request, after payment of non-refundable fee of Rs. 35,000.00 (Rs. 28,937.58. + 2.5% SSCL & 18% VAT) per set or download from CPC website. (i.e - <http://ceypetco.gov.lk/public-tenders/>). The bidders who download from web site should pay the non-refundable fee to the Account No. 004100110208633 of Ceylon Petroleum Corporation of People's Bank (Head Office) and the payment receipt should be submitted along with the Bid.
7. Bids shall be delivered to the address below at *Procurement & Stores Function, No. 609, Dr. Danister De Silva Mawatha, Colombo 09* on or before at 1400 hrs. on 11.09.2026. Late bids will be rejected. Bids will be opened soon after closing in the presence of the bidders' representatives who choose to attend. As per the Public Contract Act No, 3 of 1987, the Prospective Bidders shall be registered in Department of Registrar of Companies through <https://eroc.drc.gov.lk/> website and submit PCA 3 certificate along with their Bid.
8. All bids shall be accompanied by a Bid Security amount of Rs. 2,300,000.00.

Chairman,
Department Procurement Committee,
C/o Manager (Procurement & Stores),
Ceylon Petroleum Corporation,
Procurement & Stores Function,
01st Floor, No. 609, Dr. Danister De Silva Mawatha
Colombo 09.
Tele: 0117296333
E-mail : procuregenral@ceypetco.gov.lk

1. INSTRUCTIONS TO BIDDERS

Instructions to Bidders applicable to this contract are that given in Section-I of the Standard Bidding Document for Procurement of Works - Major Contracts. ICTAD Publication No. ICTAD/SBD/02, Second Edition, January 2007, published by the Construction Industry Development Authority (CIDA), “Savsiripaya”, 123, Wijerama Mawatha, Colombo 07.

This publication will not be issued with the Bidding Document, and the Bidder is advised to purchase it from CIDA.

Instructions to Bidders shall be read in conjunction with the Bidding Data provided under Section-2 of the Bidding Document.

Instructions to Bidders will not be a part of the contract and will cease to have effect once the Contract is signed.

BIDDING DATA

Instructions to Bidders Clause Reference	Entry
1.1	Employer's Name and Address Name : Ceylon Petroleum Corporation Address: No. 609, Dr. Danister De Silva Mawatha, Colombo 09.
1.1	Scope of Works The works consists of Modification of 07 Nos. LFS at Islandwide Located at Eppawala, Deniyaya, Puttalam, Balangoda, Mahiyanganaya, Karaliyadda and Mirigama
1.2	Time for Completion The time of completion for each filling station shall be six (06) months from the date of commencement of work at the respective site. The handing-over date may vary for each filling station depending on site conditions; however, all sites are expected to be handed over within sixty (60) days from the date of issuance of the Purchase Order.
2.1	Source of funds CPC own funds
4.1	Qualification Information The following information shall be provided in Section 9 - Schedules: • ICTAD registration - Registration number - Grade C5 or above - Specialty Construction - Expiry date • VAT registration number..... • Attach construction program • Attach legal status (Sole proprietor, Partnership, Company etc.) • Attach authentication for signatory • Total monetary value of construction work performed for each of the last five years • Experience in works of a similar nature and value within the last five years
4.1 (c)	• Construction equipment • Staffing • Attach Work plan and methods;
4.2 (a)	Modify the list if required ICTAD registration required The registration required; Specialty Construction Grade C 5 or above

4.2 (b) Average annual volume of construction work performed in last 5 years

Average annual volume of construction work performed in last five years shall be at least Rs. 40 Million for one quoted location. If bidder quoted for more than one location the values to be multiplied by number of location quoted.

4.2 (d) Essential equipment

Proposals for the timely acquisition (own, lease, hire, etc.) of the following essential equipment shall be;

	Type	Capacity
1.	Boom Truck with Crane	7 Ton
2.	JCB	Mid Range
3.	Concrete Mixer	½ bag or above

4.2 (e) Qualifications and experience of the Contract Manager

Minimum persons with qualifications and experience to be defined,

1. Chartered Civil B.Sc. Engineer with five years – 01 (Part Time)

2. Site Supervisor (Each Site) - Civil Engineer with BSc. Engineering, B.TECH Engineering or BEng or similar qualifications and at least 2 years' experience in similar nature works or Assistant Engineer with NDT/ HNDE/TTI or equivalent qualifications and at least 5 years' experience in similar nature works (full time during the civil works). CV's of key personnel to be submitted with the Bid.

Liquid assets and/or credit facilities required

4.2 (f) The minimum amount of liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, shall be not less than Rs. 20.0 Million for one quoted location

10.1 Clarification of Bidding Documents

Employer's address for clarification of bidding documents is:

Name of Officer: Manager (Procurement & Stores)

Address: Ceylon Petroleum Corporation, No. 609, Dr. Danister De
Silva Mawatha, Colombo 09.

Phone: 011-7296333

Facsimile: 011-2106769

E-mail : procuregeneral@ceypetco.gov.lk

13.1(A) (j) Documents comprising the Bid

13.1(B) (d)

Additional information is;

.....
.....

14.4 Adjustments for change in cost

The Contract is subjected to price adjustment

15.1 Currency of Bid

Sri Lankan Rupees

16.1 Period of Bid validity:

The Bid shall be valid up to Ninety-One (91) days (i.e. 11.12.2026).

17.1 Amount of Bid security:

The amount of Bid Security is Sri Lanka Rupees: Three Hundred Twenty-Five Thousand only. (LKR 325,000.00) per location

17.2 Validity of Bid Security

The Bid Security shall be valid up to One Hundred and Nineteen (119) days (i.e. 08.01.2027)

19.1 Pre-Bid meeting

Pre-Bid meeting will be held
Venue, time, and date of the pre-bid meeting.

Date: 01.09.2026

Time: 1000 hrs.

Venue: Head Office, Ceylon Petroleum Corporation, No. 609, Galle Road, Colombo 09.
The site visit can be discussed during the pre-bid meeting

21.2 (a) Employer's Address for Bid submission

Employer's address for the purpose of bid submission is:

Procurement & Stores Function, Ceylon Petroleum Corporation, No. 609, Dr. Danister De Silva Mawatha, Colombo 09.

21.2 (b) Identification number of Contract

Identification Number of the Contract is: 400048213

22.1 Deadline for submission of Bids

Deadline for submission of Bids. On or before 1400 hrs. on 11.09.2026.

25.1 Bid opening

Venue, time, and date of bid opening. - Procurement & Stores Function,
Ceylon Petroleum Corporation, No. 609, Dr. Danister De Silva Mawatha, Colombo 09.
On or before 1400 hrs. on 11.09.2026.

Evaluation Criteria

No.	Criteria	Requirement
1	ICTAD Registration (Mandatory)	Grade C5 or above, Specialty Construction
2	Average Annual Volume of Work	Rs. 40 Million for one quoted location (past 5 years) (Mandatory)
3	Experience in Similar Works	At least one project of similar nature and value of 20 Million (Mandatory)
4	Financial Capacity	Rs. 20 Million liquid assets/credit facilities (net of commitments) or financial facility obtained from a licensed commercial bank for one quoted location
5	Key Staff (Manager & Team)	Qualified Contract Manager + adequate technical staff (1 NCT/NDT) supervisor for each quoted location
6	Essential Equipment	Specify the equipment/machinery proposed (own/higher)

Notes:

1. Similar nature: construction of fuel filling station or structural steel building or structure of Rs. 20 Mn. or above
2. Above 2, 3 & 4 items are for one location, if bidder quoted for more than one location the values to be multiplied by number of locations quoted

31.1 Preference for Domestic Bidders

N/A

32 *If the Procurement is within the authority limit of a DPC:*

After evaluation of Bids in accordance with the procedures described under Clauses 28, 29, 30 and 31, the Employer will inform all the bidders in writing the selection of the successful bidder and the intention of contract award to such bidder. The unsuccessful bidders if they so wish, within one week of such notice may make representation to the Chairman to Appeal Committee at the address given below. Such representation shall be self-contained to enable the Appeal Committee to arrive at a conclusion and a cash deposit to amount given below shall be made. The Employer may request the bidder who had made representation to submit further evidence during the investigation of such representation. The cash deposit will be forfeited unless the Employer has changed the original contract award decision in favour of the bidder who has made such representation.

Address : The Chairman,
Appeal Committee,
c/o Manager (Procurement & Stores),
Ceylon Petroleum Corporation,
No. 609, Dr. Danister De Silva Mawatha,
Colombo 09.

Cash Deposit : Rupees 10,000/=

35.1 Amount of Performance Security

The Standard Form of Performance Security acceptable to the Employer shall be a Guarantee from an Agency accepted and stated in the Procurement Guidelines.

The amount of Performance Security is 5% of the Initial Contract Price.

The Performance Security Shall be valid until 28 days beyond the expected completion date of Defects Liability Period. The acceptable form is Unconditional Guarantee.

37 Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case-to-case basis and shall be shared equally by the Contractor and the Employer



SECTION – 3 CONDITIONS OF CONTRACT

*Conditions of Contract shall be read in conjunction with the
section 4 – Contract Data, which shall take precedence over the
Conditions of Contract.*

CONDITIONS OF CONTRACT

Conditions of Contract that will be applicable for this Contract is that given in section- 3 of the Standard Bidding Document for Procurement of Works- Major Contracts, ICTAD Publication No. ICTAD/SBD/02, Second Edition, January 2007, Addendum 01 issued in October 2009, published by the Construction Industry Development Authority (CIDA)“Savsiripaya” 123, Wijerama Mawatha, Colombo 7.

This publication will not be issued with the Bidding Document, and Bidder is advised to purchase it from CIDA.

Conditions of Contract shall be read in conjunction with the Section 4 – Contract Data, which shall take precedence over the Conditions of Contract.

SPECIAL CONDITIONS OF CONTRACT

Scope of Works

- The Contract covers seven (7) distinct sites/locations, each treated as an independent sub-project.
- The Employer reserves the right to award the Contract partially (one or more sites) or fully (all sites).

Site Management

- Each site shall be managed separately with its own work program, supervision, and reporting.
- The Contractor shall appoint a Site Manager for each location.

Completion Period

- Completion periods shall be specified per site in the Contract Data.
- Extensions of time shall be considered individually for each site.

Liquidated Damages – Pro Rata

- Delay in completion of any site shall attract liquidated damages calculated on a pro rata basis relative to the contract price of that site.
- LD shall be applied per day per site, independent of other sites.

Termination

- Termination may be applied site-wise, without affecting the remaining sites under execution/completed.
- Default on one site does not automatically terminate the entire contract.

Payments

- Interim payments shall be certified site-wise, based on progress achieved at each location.
- Final payment shall be made after completion and acceptance of all awarded sites.

Performance Security

- Performance security shall cover the total awarded value.
- If the award is partial, the security shall be adjusted proportionally.

Defects Liability

- Defects liability shall apply separately for each site, commencing from the date of completion and acceptance of that site.

Note: *The clause numbers referred are the clause numbers of Conditions of Contract. The Employer should insert relevant data for all the items marked with an **asterisk (*)** prior to the issue of the bidding documents. Where a number of Days are to be inserted, it is desirable for the number to be a multiple of seven, for consistency with the Conditions of Contract.*

**Conditions of
Contract Clause
Number/s**

(*) 1.1.2.2 & 1.3	Employer's name and address	Name: Ceylon Petroleum Corporation Address: No. 609, Dr. Danister De Silva Mawatha, Colombo 09.
1.3	Contractor's name and address	Name: Address:
(*) 1.1.2.4 & 1.3	Engineer's name and address	Name: Address:

1.1.2.9

Replace existing Clause 1.1.2.9 with following:

“Dispute Adjudication Board” (DAB) means three persons appointed under Sub-Clause 19.2 [Appointment of the Dispute Adjudication Board] or Sub-Clause 19.3 [Failure to Agree on the Composition of the Dispute Adjudication Board] of the Conditions of Contract.

(*) 1.1. 3.3	Time for Completion of the Works	The time of completion for each filling station shall be six (06) months from the date of commencement of work at the respective site. The handing-over date may vary for each filling station depending on site conditions; however, all sites are expected to be handed over within sixty (60) days from the date of issuance of the Purchase Order.
(*) 1.1.3.7	Defects Notification Period	Defects Notification Period is 365 Days
(*) 2. 1	Right to access to the Site	14 Days after Letter of Acceptance
(*) 3.1	Engineer's Duties and Authority	The Engineer shall obtain the specific approval of the Employer before taking action under the following Sub-Clauses of these Conditions: (a) Clause 13, where the final effect of the variations increase the Contract Price (b) Sub-Clause

(*) 4.2	Amount of Performance Security	5 % of the Initial Contract Price, in the currencies and proportions in which the Contract Price is payable. The acceptable form is.....																														
(*) 8.7	Liquidated damages for the Works	1/600 of the Initial Contract Price per Day																														
(*) 8.7	Maximum amount of liquidated damages	10 % of the Initial Contract Price																														
12.2 (b)	Method of Measurement	The Method of Measurement shall be ICTAD Standard Method of Measurement (latest edition)																														
(*) 13.4(b)	Percentage for adjustment of Provisional Sums	10%																														
13.7	Weightings of Inputs	<table> <tr> <th>Indices No</th><th>Input Name</th><th>Input Percentage</th></tr> <tr> <td>L1</td><td>Skilled Labour</td><td>15%</td></tr> <tr> <td>L3</td><td>Unskilled Labour</td><td>10%</td></tr> <tr> <td>M1</td><td>Cement</td><td>12%</td></tr> <tr> <td>M8</td><td>Sand</td><td>10%</td></tr> <tr> <td>M7</td><td>Metal (Agg)</td><td>10%</td></tr> <tr> <td>M13</td><td>Reinforcement Steel</td><td>18%</td></tr> <tr> <td>M21A</td><td>Form Work</td><td>5%</td></tr> <tr> <td></td><td><u>Other Materials</u></td><td><u>10%</u></td></tr> <tr> <td></td><td><u>Total</u></td><td><u>90%</u></td></tr> </table>	Indices No	Input Name	Input Percentage	L1	Skilled Labour	15%	L3	Unskilled Labour	10%	M1	Cement	12%	M8	Sand	10%	M7	Metal (Agg)	10%	M13	Reinforcement Steel	18%	M21A	Form Work	5%		<u>Other Materials</u>	<u>10%</u>		<u>Total</u>	<u>90%</u>
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	<u>Total</u>	<u>90%</u>																														
		Non adjustable element shall be: • Preliminaries (bid security, insurance, guarantees) • Temporary works (site offices, sheds, utilities) • Mobilization/demobilization • Testing & commissioning • Prime cost items (tiles, sanitary fittings, bathroom accessories, electrical fittings, light fixtures) • Contractor's overheads & profit																														
(*) 14.2	Total Advance Payment	20% of the Initial Contract Price excluding provisional sums and contingencies																														
(*) 14.2	Number and timing of installments	<i>Insert number of installments and any requirements</i>																														

(*) 14.3(c)	Percentage of retention	10%
(*) 14.3(c)	Limit of Retention Money	5% of the Initial Contract Price
(*) 14.5	Minimum amount of Interim Payment Certificates	One million Rupees
(*)14.8	Alternative method for Payment of Retention	On reaching the limit of retention, stated in the Contract Data under Sub-Clause 14.3, the Contractor may substitute full retention money with an unconditional guarantee acceptable to the Employer to a value equal to the full retention money, and valid up to 28 Days beyond the end of Defect Notification Period. On receipt of such guarantee the Employer shall repay the full retention money. The guarantee will be released to the Contractor upon the certification of the Engineer that all Defects notified by the Engineer to the Contractor before the end of this period have been corrected.
(*) 18.2	Third Party Insurance	(a) 10% of the initial Contract value (for the Employer) (b) 110% of the initial contract value (for the contractor) c) WCP cover Staff of the filling station also to be covered under this policy.
18.3	Insurance for Contractor's Personnel	A copy of insurance policy for the workmen of the contractor as per the Workmen Compensation Act shall be forwarded to CPC prior to commencement of the work.
19.2	Appointment of the Dispute Adjudication Board	<u>Clause 19.0 Claims, Disputes and Arbitration</u> <i>Delete existing sub-clause 19.2 (Dispute Resolution), Delete existing sub-clause 19.3 (Procedure for Adjudication), Delete existing sub-clause 19.4 (Replacement of Adjudicator), Delete existing sub-clause 19.5 (Arbitration), and insert the following new sub-clauses;</i> <i>19.2 Appointment of the Dispute Adjudication Board</i> <i>19.3 Failure to Agree on the Composition of the Dispute Adjudication Board</i> <i>19.4 Obtaining Dispute Adjudication Board's Decision</i> <i>19.5 Failure to Comply with Dispute Adjudication Board's Decision</i> <i>19.6 Expiry of Dispute Adjudication Board's Appointment</i> <i>19.7 Arbitration</i>

Any dispute of whatever nature arising out of or in relation to this agreement shall in the first instance be referred to a Dispute Adjudication Board (DAB) for decision in accordance with Sub-Clause 19.4 [Obtaining Dispute Adjudication Board's Decision]. The Parties shall appoint a DAB within 28 Days from the Commencement Date.

The DAB shall comprise, three suitably qualified persons ("the members"), who shall be professionals experienced in the type of construction involved in the Works and with the interpretation of contractual documents, one of whom shall serve as chairman.

Within 28 Days from the Commencement Date each of the Parties shall appoint one member to serve on the Dispute Adjudication Board (DAB). The Parties shall consult both these members and shall agree upon the third member, who shall be appointed to act as the chairman.

The agreement between the Parties and each of the three members shall incorporate by reference the General Conditions of Dispute Adjudication Agreement contained in the Appendix to these Contract Data, with such amendments as are agreed between them.

The terms of the remuneration of the three members, including the remuneration of any expert whom the DAB consults, shall be mutually agreed upon by the Parties when agreeing the terms of appointment of the member or such expert (as the case may be). Each Party shall be responsible for paying one-half of this remuneration.

If a member declines to act or is unable to act as a result of death, disability, resignation or termination of appointment, a replacement shall be appointed in the same manner as the replaced person was required to have been nominated or agreed upon, as described in this Sub-Clause.

The appointment of any member may be terminated by mutual agreement of both Parties, but not by the Employer or the Contractor acting alone. Unless otherwise agreed by both Parties, the appointment of the DAB (including each member) shall expire when the discharge referred to in Sub-Clause 14.11 [Discharge] shall have become effective.

- | | | |
|------|---|---|
| 19.3 | Failure to Agree on the Composition of the Dispute Adjudication Board | <p>If any of the following conditions apply, namely:</p> <ul style="list-style-type: none"> (a) either Party fails to nominate a member of a DAB by such date, (b) the Parties fail to agree upon the appointment of the third member (to act as chairman) of the DAB by such date, or (c) the Parties fail to agree upon the appointment of a replacement person within 42 Days after the date on which the one of the three members declines to act or is unable to act as a result of death, disability, resignation or termination of appointment, <p>Then Institute for Construction Training and Development (ICTAD) shall, upon the request of either or both of the Parties and after due consultation with both Parties, appoint this member of the DAB. This appointment shall be final and conclusive. Each Party shall be responsible for paying one-half of the expenses / disbursements incurred by ICTAD.</p> |
| 19.4 | Obtaining Dispute Adjudication Board's Decision | <p>If a dispute (of any kind whatsoever) arises between the Parties in connection with, or arising out of, the Contract or the execution of the Works, including any dispute as to any certificate, determination, instruction, opinion or valuation of the Engineer, either Party may refer the dispute in writing to the DAB for its decision, with copies to the other Party and the Engineer. Such reference shall state that it is given under this Sub-Clause.</p> |

The DAB shall be deemed to have received such reference on the date when it is received by the chairman of the DAB.

Both Parties shall promptly make available to the DAB all such additional information, further access to the Site, and appropriate facilities, as the DAB may require for the purposes of making a decision on such dispute. The DAB shall be deemed to be not acting as arbitrator(s).

Within 84 Days after receiving such reference, or within such other period as may be proposed by the DAB and approved by both Parties, the DAB shall give its decision, which shall be reasoned and shall state that it is given under this Sub-Clause. The decision shall be binding on both Parties, who shall promptly give effect to it unless and until it shall be revised in an amicable settlement or an arbitral award as described below. Unless the Contract has already been abandoned, repudiated or terminated, the Contractor shall continue to proceed with the Works in accordance with the Contract.

If either Party is dissatisfied with the DAB's decision, then either Party may, within 28 Days after receiving the decision, give notice to the other Party of its dissatisfaction and intention to commence arbitration. If the DAB fails to give its decision within the period of 84 Days (or as otherwise approved) after receiving such reference, then either Party may, within 28 Days after this period has expired, give notice to the other Party of its dissatisfaction and intention to commence arbitration.

In either event, this notice of dissatisfaction shall state that it is given under this Sub-Clause, and shall set out the matter in dispute and the reason(s) for dissatisfaction. Except as stated in Sub-Clause 19.5 [Failure to Comply with Dispute Adjudication Board's Decision] and Sub-Clause 19.6 [Expiry of Dispute Adjudication Board's Appointment], neither Party shall be entitled to commence arbitration of a dispute unless a notice of dissatisfaction has been given in accordance with this Sub-Clause.

If the DAB has given its decision as to a matter in dispute to both Parties, and no notice of dissatisfaction has been given by either Party within 28 Days after it received the DAB's decision, then the decision shall become final and binding upon both Parties.

19.5	Failure to Comply with Dispute Adjudication Board's Decision	In the event that a Party fails to comply with a DAB decision which has become final and binding, then the other Party may, without prejudice to any other rights it may have, refer the failure itself to arbitration under Sub-Clause 19.7 [Arbitration]. Sub-Clause 19.4 [Obtaining Dispute Adjudication Board's Decision] shall not apply to this reference.
19.6	Expiry of Dispute Adjudication Board's Appointment	If a dispute arises between the Parties in connection with, or arising out of, the Contract or the execution of the Works and there is no DAB in place, whether by reason of the expiry of the DAB's appointment or otherwise: (a) Sub-Clause 19.4 [Obtaining Dispute Adjudication Board's Decision] shall not apply, and (b) the dispute may be referred directly to arbitration under Sub-Clause 19.7 [Arbitration].
19.7	Arbitration	(a) Any dispute of whatever nature arising from, out of or in connection with this agreement, on the interpretation thereof, or the rights, duties, obligations or liabilities of any Party, or the operation, breach, termination, abandonment, foreclosure or invalidity thereof, shall be referred to by either Party to arbitration for final settlement, in accordance with the Arbitration Act No. 11 of 1995, or any amendment thereof, (b) Pending the award in any arbitration proceedings hereunder, (i) this Contract and the rights and obligations of the Parties shall remain in full force and effect and (ii) each of the Parties shall continue to perform their respective obligations under this Contract. The termination of this Contract shall not result in the termination of any arbitration proceedings pending at the time of such termination nor otherwise affect the rights and obligations of the Parties under or with respect to such pending arbitration. (c) Any award rendered by the arbitral tribunal shall determine the extent to which the cost of arbitration is to be borne by each Party. The arbitration centre charges and the compensation to the arbitrator shall be equally shared by the Parties initially.

Composition of the Arbitral Tribunal :

The arbitral tribunal shall consist of a sole arbitrator who shall be appointed in the manner provided in the Selection Procedure as given below.

Selection Procedure :

The Party desiring arbitration shall nominate three arbitrators out of which one to be selected by the other Party within 21 Days of the receipt of such nomination. If the other Party does not select one to serve as Arbitrator within the stipulated period then the Arbitrator shall be appointed in accordance with the Arbitration Act No. 11 of 1995, or any amendments thereof.

Venue & Language :

The venue of arbitration shall be in Sri Lanka.

Unless otherwise agreed to by the Parties the proceedings shall be conducted and the award shall be rendered in the English language.

APPENDIX TO CONTRACT DATA

A General Conditions of Dispute Adjudication Agreement

- 1. Definitions** Each “Dispute Adjudication Agreement” is a tripartite agreement by and between:
- (a) the “Employer”;
 - (b) the “Contractor”; and
 - (c) the “Member” who is defined in the Dispute Adjudication Agreement as being one of the three persons who are jointly called the “DAB” (or “Dispute Adjudication Board”) and, where this is the case, the other two persons are called the “Other Members.”

The Employer and the Contractor have entered (or intend to enter) into a contract, which is called the "Contract" and is defined in the Dispute Adjudication Agreement, which incorporates this Appendix. In the Dispute Adjudication Agreement, words and expressions which are not otherwise defined shall have the meanings assigned to them in the Contract.

- 2. General Provisions** Unless otherwise stated in the Dispute Adjudication Agreement, it shall take effect on the latest of the following dates:
- (a) the Commencement Date defined in the Contract,
 - (b) when the Employer, the Contractor and the Member have each signed the Dispute Adjudication Agreement, or
 - (c) when the Employer, the Contractor and each of the Other Members have respectively each signed a Dispute Adjudication Agreement.

This employment of the Member is a personal appointment. At any time, the Member may give not less than 70 Days notice of resignation to the Employer and to the Contractor, and the Dispute Agreement shall terminate upon the expiry of this period.

- 3. Warranties** The Member warrants and agrees that he/she is and shall be impartial and independent of the Employer, the Contractor and the Engineer. The Member shall promptly disclose, to each of them and to the Other Members, any fact or circumstance which might appear inconsistent with his/her warranty and agreement of impartiality and independence.

When appointing the Member, the Employer and the Contractor relied upon the Member’s representations that he/she is:

- (a) experienced in the work which the Contractor is to carry out under the Contract,
- (b) experienced in the interpretation of contract documentation, and
- (c) fluent in the language for communications defined in the Contract.

**4. General
Obligations of the
Member**

The Member shall:

- (a) have no interest financial or otherwise in the Employer, the Contractor or Engineer, nor any financial interest in the Contract except for payment under the Dispute Adjudication Agreement;
- (b) not previously have been employed as a consultant or otherwise by the Employer, the Contractor or the Engineer, except in such circumstances as were disclosed in writing to the Employer and the Contractor before they signed the Dispute Adjudication Agreement;
- (c) have disclosed in writing to the Employer, the Contractor and the Other Members, before entering into the Dispute Adjudication Agreement and to his/her best knowledge and recollection, any professional or personal relationships with any director, officer or employee of the Employer, the Contractor or the Engineer, and any previous involvement in the overall project of which the Contract forms part;
- (d) not, for the duration of the Dispute Adjudication Agreement, be employed as a consultant or otherwise by the Employer, the Contractor or the Engineer, except as may be agreed in writing by the Employer, the Contractor and the Other Members;
- (e) comply with the annexed procedural rules and with Sub-Clause 19.4 (Obtaining Dispute Adjudication Board's Decision) of the Conditions of Contract;
- (f) not give advice to the Employer, the Contractor, the Employer's Personnel or the Contractor's Personnel concerning the conduct of the Contract, other than in accordance with the annexed procedural rules;
- (g) not while a Member enter into discussions or make any agreement with the Employer, the Contractor or the Engineer regarding employment by any of them, whether as a consultant or otherwise, after ceasing to act under the Dispute Adjudication Agreement;
- (h) ensure his/her availability for all site visits and hearings as are necessary;
- (i) become conversant with the Contract and with the progress of the Works (and of any other parts of the project of which the Contract forms part) by studying all documents received which shall be maintained in a current working file;
- (j) treat the details of the Contract and all the DAB's activities and hearings as private and confidential, and not publish or disclose them without the prior written consent of the Employer, the Contractor and the Other Members; and
- (k) be available to give advice and opinions, on any matter relevant to the Contract when requested by both the Employer and the Contractor, subject to the agreement of the Other Members.

**5. General
Obligations of the
Employer and the
Contractor**

The Employer, the Contractor, the Employer's Personnel and the Contractor's Personnel shall not request advice from or consultation with the Member regarding the Contract, otherwise than in the normal course of the DAB's activities under the Contract and the Dispute Adjudication Agreement. The Employer and the Contractor shall be responsible for compliance with this provision, by the Employer's Personnel and the Contractor's Personnel respectively.

The Employer and the Contractor undertake to each other and to the Member that the Member shall not, except as otherwise agreed in writing by the Employer, the Contractor, the Member and the Other Members:

- (a) be appointed as an arbitrator in any arbitration under the Contract;
- (b) be called as a witness to give evidence concerning any dispute before arbitrator(s) appointed for any arbitration under the Contract; or
- (c) be liable for any claims for anything done or omitted in the discharge or purported discharge of the Member's functions, unless the act or omission is shown to have been in bad faith.

The Employer and the Contractor hereby jointly and severally indemnify and hold the Member harmless against and from claims from which he is relieved from liability under the preceding paragraph.

Whenever the Employer or the Contractor refers a dispute to the DAB under Sub-Clause 19.4 (Obtaining Dispute Adjudication Board's Decision) of the Conditions of Contract, which will require the Member to make a site visit and attend a hearing, the Employer or the Contractor shall provide appropriate security for a sum equivalent to the reasonable expenses to be incurred by the Member. No account shall be taken of any other payments due or paid to the Member.

6. Payment

The Member shall be paid as follows:

- (a) a retainer fee per calendar month, which shall be considered as payment in full for:
 - (i) being available on 28 Days notice for all site visits and hearings;
 - (ii) becoming and remaining conversant with all project developments and maintaining relevant files;
 - (iii) all office and overhead expenses including secretarial services, photocopying and office supplies incurred in connection with his duties; and
 - (iv) all services performed hereunder except those referred to in sub-paragraphs (b) and (c) of this Clause.

The retainer fee shall be paid with effect from the last day of the calendar month in which the Dispute Adjudication Agreement becomes effective; until the last day of the calendar month in which the Taking-Over Certificate is issued for the whole of the Works.

With effect from the first day of the calendar month following the month in which the Taking-Over Certificate is issued for the whole of the Works, the retainer fee shall be reduced by 50%. This reduced fee shall be paid until the first day of the calendar month in which the Member resigns or the Dispute Adjudication Agreement is otherwise terminated.

- (b) a daily fee which shall be considered as payment in full for:
 - (i) each day or part of a day up to a maximum of two Days travel time in each direction for the journey between the Member's home and the site, or another location of a meeting with the Other Members;
 - (ii) each working day on Site visits, hearings or preparing decisions; and
 - (iii) each day spent reading submissions in preparation for a hearing.
- (c) all reasonable expenses including necessary travel expenses (hotel and subsistence and other direct travel expenses) incurred in connection with the Member's duties, as well as the cost of telephone calls, courier charges, and faxes: a receipt shall be required for each item in excess of five percent of the daily fee referred to in sub-paragraph (b) of this Clause.

The retainer and daily fees shall be as specified in the Dispute Adjudication Agreement. Unless it specifies otherwise, these fees shall remain fixed for the entire duration of the Contract.

The Member shall submit invoices for payment of the monthly retainer quarterly in advance. Invoices for other expenses and for daily fees shall be submitted following the conclusion of a site visit or hearing. All invoices shall be accompanied by a brief description of activities performed during the relevant period and shall be addressed to the Contractor.

The Contractor shall pay each of the Member's invoices in full within 56 calendar days after receiving each invoice and shall apply to the Employer (in the Statements under the Contract) for reimbursement of one-half of the amounts of these invoices. The Employer shall then pay the Contractor in accordance with the Contract.

If the Contractor fails to pay to the Member the amount to which he/she is entitled under the Dispute Adjudication Agreement, the Employer shall pay the amount due to the Member and any other amount which may be required to maintain the operation of the DAB; and without prejudice to the Employer's rights or remedies. In addition to all other rights arising from this default, the Employer shall be entitled to reimbursement of all sums paid in excess of one-half of these payments, plus all costs of recovering these sums and financing charges calculated at the rate specified in Sub-Clause 14.7 of the Conditions of Contract.

If the Member does not receive payment of the amount due within 70 days after submitting a valid invoice, the Member may (i) suspend his/her services (without notice) until the payment is received, and/or (ii) resign his/her appointment by giving notice under Clause 7.

7. Termination

At any time: (i) the Employer and the Contractor may jointly terminate the Dispute Adjudication Agreement by giving 42 Days notice to the Member; or (ii) the Member may resign as provided for in Clause 2.

If the Member fails to comply with the Dispute Adjudication Agreement, the Employer and the Contractor may, without prejudice to their other rights, terminate it by notice to the Member. The notice shall take effect when received by the Member.

If the Employer or the Contractor fails to comply with the Dispute Adjudication Agreement, the Member may, without prejudice to his other rights, terminate it by notice to the Employer and the Contractor. The notice shall take effect when received by them both.

Any such notice, resignation and termination shall be final and binding on the Employer, the Contractor and the Member. However, a notice by the Employer or the Contractor, but not by both, shall be of no effect.

8. Default of the Member

If the Member fails to comply with any of his obligations under Clause 4 (a) - (d) above, he shall not be entitled to any fees or expenses hereunder and shall, without prejudice to their other rights, reimburse each of the Employer and the Contractor for any fees and expenses received by the Member and the Other Members, for proceedings or decisions of the DAB which are rendered void or ineffective by the said failure to comply.

If the Member fails to comply with any of his obligations under Clause 4 (e) - (k) above, he shall not be entitled to any fees or expenses hereunder from the date and to the extent of the non-compliance and shall, without prejudice to their other rights, reimburse each of the Employer and the Contractor for any fees and expenses already received by the Member, for proceedings or decisions of the DAB which are rendered void or ineffective by the said failure to comply.

9. Disputes

Any dispute or claim arising out of or in connection with this Dispute Adjudication Agreement, or the breach, termination or invalidity thereof, shall be finally settled in accordance with Arbitration Act No 11, 1995 of Sri Lanka with a sole Arbitrator..

PROCEDURAL RULES

1. Unless otherwise agreed by the Employer and the Contractor, the DAB shall visit the site at intervals of not more than 70 days, including times of critical construction events, at the request of either the Employer or the Contractor. Unless otherwise agreed by the Employer, the Contractor and the DAB, the period between consecutive visits shall not be less than 35 days, except as required to convene a hearing as described below.
2. The timing of and agenda for each site visit shall be as agreed jointly by the DAB, the Employer and the Contractor, or in the absence of agreement, shall be decided by the DAB. The purpose of site visits is to enable the DAB to become and remain acquainted with the progress of the Works and of any actual or potential problems or claims, and, as far as reasonable, to endeavour to prevent potential problems or claims from becoming disputes.
3. Site visits shall be attended by the Employer, the Contractor and the Engineer and shall be co-ordinated by the Employer in co-operation with the Contractor. The Employer shall ensure the provision of appropriate conference facilities and secretarial and copying services. At the conclusion of each site visit and before leaving the site, the DAB shall prepare a report on its activities during the visit and shall send copies to the Employer and the Contractor.
4. The Employer and the Contractor shall furnish copy each to the members of the DAB all documents which the DAB may request, including Contract documents, progress reports, variation instructions, certificates and other documents pertinent to the performance of the Contract. All communications between the DAB and the Employer or the Contractor shall be copied to the other Party.
5. If any dispute is referred to the DAB in accordance with Sub-Clause 19.4 (Obtaining Dispute Adjudication Board's Decision) of the Conditions of Contract, the DAB shall proceed in accordance with Sub-Clause 19.4 (Obtaining Dispute Adjudication Board's Decision) and these Rules. Subject to the time allowed to give notice of a decision and other relevant factors, the DAB shall:
 - (a) act fairly and impartially as between the Employer and the Contractor, giving each of them a reasonable opportunity of putting his case and responding to the other's case, and
 - (b) adopt procedures suitable to the dispute, avoiding unnecessary delay or expense.
6. The DAB may conduct a hearing on the dispute, in which event it will decide on the date and place for the hearing and may request that written documentation and arguments from the Employer and the Contractor be presented to it prior to or at the hearing.
7. Except as otherwise agreed in writing by the Employer and the Contractor, the DAB shall have power to adopt an inquisitorial procedure, to refuse admission to hearings or audience at hearings to any persons other than representatives of the Employer, the Contractor and the Engineer, and to proceed in the absence of any party who the DAB is satisfied received notice of the hearing; but shall have discretion to decide whether and to what extent this power may be exercised.
8. The Employer and the Contractor empower the DAB, among other things, to:
 - (a) establish the procedure to be applied in deciding a dispute,
 - (b) decide upon the DAB's own jurisdiction, and as to the scope of any dispute referred to it,
 - (c) conduct any hearing as it thinks fit, not being bound by any rules or procedures other than those contained in the Contract and these Guidelines,

- (d) take the initiative in ascertaining the facts and matters required for a decision,
 - (e) make use of its own specialist knowledge, if any,
 - (f) decide upon the payment of financing charges in accordance with the Contract,
 - (g) decide upon any provisional relief such as interim or conservatory measures, and
 - (h) open up, review and revise any certificate, decision, determination, instruction, opinion or valuation of the Engineer, relevant to the dispute.
9. The DAB shall not express any opinions during any hearing concerning the merits of any arguments advanced by the Parties. Thereafter, the DAB shall make and give its decision in accordance with Sub-Clause 19.4 (Obtaining Dispute Adjudication Board's Decision), or as otherwise agreed by the Employer and the Contractor in writing. The DAB:
- (a) shall convene in private after a hearing, in order to have discussions and prepare its decision;
 - (b) shall endeavour to reach a unanimous decision: if this proves impossible the applicable decision shall be made by a majority of the Members, who may require the minority Member to prepare a written report for submission to the Employer and the Contractor; and
 - (c) Member fails to attend a meeting or hearing, or to fulfill any required function, the other two Members may nevertheless proceed to make a decision, unless:
 - (i) either the Employer or the Contractor does not agree that they do so, or
 - (ii) the absent Member is the chairman and he/she instructs the other Members to not make a decision.

DISPUTE ADJUDICATION AGREEMENT

[for each member of a three - person DAB]

Name and details of Contract
Name and address of Employer
Name and address of Contractor
Name and address of Member

Whereas the Employer and the Contractor have entered into the Contract and desire jointly to appoint the Member to act as one of the three persons who are jointly called the Dispute Adjudication Board (DAB) *[and desire the Member to act as chairman of the DAB]*

The Employer, Contractor and Member jointly agree as follows:

1. The conditions of this Dispute Adjudication Agreement comprise the “General Conditions of Dispute Adjudication Agreement” which is appended to the General Conditions of the “Standard Bidding Document, Procurement of Works, Major Contracts - Second Edition, January 2007” and the following provisions. In these provisions, which include amendments and additions to the General Conditions of Dispute Adjudication Agreement, words and expressions shall have the same meanings as are assigned to them in the General Conditions of Dispute Adjudication Agreement.

2. *[Details of amendments to the General Conditions of Dispute Adjudication Agreement, if any]*

For example:

In the procedural rules annexed to the General Conditions of Dispute Adjudication Agreement, Rule _____ is deleted and replaced by: “.....”]

- 3 In accordance with Clause 6 of the General Conditions of Dispute Adjudication Agreement the Member shall be paid as follows:

A retainer fee of _____ per calendar month,
plus a daily fee of _____ per day.

- 4 In consideration of these fees and other payments to be made by the Employer and the Contractor in accordance with Clause 6 of the General Conditions of Dispute Adjudication Agreement, the Member undertakes to serve, as described in this Dispute Adjudication Agreement, as one of the three persons who are jointly to act as the DAB.
- 5 The Employer and the Contractor jointly and severally undertake to pay the Member, in consideration of the carrying out of these services, in accordance with Clause 6 of the General Conditions of Dispute Adjudication Agreement.
- 6 This Dispute Adjudication Agreement shall be governed by the law of _____

SIGNED by: _____

SIGNED by: _____

SIGNED by: _____

for and on behalf of the employer
in the presence of

for and on behalf of the Contractor
in the presence of

the Member
in the presence of

Witness: _____

Witness: _____

Witness : _____

Name: _____

Name: _____

Name : _____

Address: _____

Address: _____

Address : _____

Date: _____

Date: _____

Date: _____

Notes on Form of Letter of Acceptance

The Letter of Acceptance will be the basis for formation of the Contract as described in Clause 34 of the Instructions to Bidders. This Form of Letter of Acceptance should be filled in and sent to the successful bidder only after evaluation of Bids and after obtaining approval from the relevant authority.

FORM OF LETTER OF ACCEPTANCE

[Letter heading paper of the procuring entity]

..... *[date]*

To: ----- *[name and address of the Contractor]* -----

This is to notify you that your bid dated ----- *[insert date]* for the construction and remedying defects of the ----- *[name of the Contract and identification number]* for the Contract price of ----- *[name of currency]* ----- *[amount in figures and words]* as corrected in accordance with Instructions to Bidders and/ or modified by a Memorandum of Understanding, is hereby accepted.

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.

The Commencement Date shall be: *(fill the date as per Clause 8.1 of Conditions of Contract).*

The amount of Performance Security is : *(fill the amount as per Clause 4.2 of Conditions of Contract).*

The Performance Security shall be submitted on or before *(fill the date as per Clause 4.2 of Conditions of Contract).*

Authorized Signature :

Name and title of Signatory :

FORM OF AGREEMENT

This Agreement made the [day] of [month] 200..... [year], between [name and address of Employer] (hereinafter called and referred to as “the Employer”), of the one part, and [name and address of Contractor] (hereinafter called and referred to as “the Contractor”), of the other part:

Whereas the Employer desires that the Contractor execute [name and identification no of Contract] (hereinafter called and referred to as “the Works”) and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and remedying of any defects therein.

The Employer and the Contractor agree as follows::

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract.
2. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execute and complete the Works and remedy any defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties hereto have caused this Agreement to be executed the day and year aforementioned in accordance with laws of Sri Lanka.

.....

Authorised signature of Contractor

.....

Authorised signature of Employer

COMMON SEAL

COMMON SEAL

In the presence of
Witnesses :

1. Name and NIC No.
Signature
Address
2. Name and NIC No.
Signature
Address

FORM OF PERFORMANCE SECURITY (Unconditional)

----- *[Issuing Agency's Name, and Address of Issuing Branch or Office]* -----

Beneficiary: ----- *[Name and Address of Employer]*

Date: -----

PERFORMANCE GUARANTEE No.: -----

We have been informed that ----- *[name of Contractor]* (hereinafter called "the Contractor") has entered into Contract No. ----- *[reference number of the Contract]* dated ----- with you, for the ----- *[insert "construction"]* of ----- *[name of Contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we ----- *[name of Agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[amount in figures]* (----- *[amount in words]*), upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the day of, 20.. *[insert date, 28 days beyond the Time for Completion]* and any demand for payment under it must be received by us at this office on or before that date.

[signature(s)]

FORM OF ADVANCE PAYMENT SECURITY

----- *[Name and address of Agency, and Address of Issuing Branch or Office]* -----

Beneficiary: ----- *[Name and Address of Employer]*

Date: -----

ADVANCE PAYMENT GUARANTEE No.: -----

We have been informed that ----- *[name of Contractor]* (hereinafter called "the Contractor") has entered into Contract No. ----- *[reference number of the contract]* dated ----- with you, for the ----- construction of ----- *[name of contract and brief description]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum ----- *[amount in figures]* (-----) *[amount in words]* is to be made against an advance payment guarantee.

At the request of the Contractor, we ----- *[name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[amount in figures]* (-----) *[amount in words]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation in repayment of the Advance Payment under the Contract.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor.

This guarantee shall expire on *[Insert the date, 28 days beyond the Time of Completion]*

Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

[signature(s)]

FORM OF RETENTION MONEY GUARANTEE

----- *[Issuing Agency's Name, and Address of Issuing Branch or Office]* -----

Beneficiary: ----- *[Name and Address of Employer]* -----

Date: -----

RETENTION MONEY GUARANTEE No.: -----

We have been informed that ----- *[name of Contractor]* (hereinafter called "the Contractor") has entered into Contract No. ----- *[reference number of the contract]* dated ----- with you, for the execution of ----- *[name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, when the works have being taken over and the first half of the Retention Money has been certified for payment, payment of the second half of the Retention Money may be made against a Retention Money guarantee.

At the request of the Contractor, we ----- *[name of agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[amount in figures]* (-----) *[amount in words]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor has not attended to the defects in accordance with the Contract..

This guarantee shall expire, at the latest, ----- *[insert 28 Days after the end of the Defects Liability Period]*. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

[signature(s)]

6. Scope of Work

6.1 GENERAL SPECIFICATIONS

- 6.1.1 Specification for Building work - Sri Lanka (Vol. I) – July 2004 ICTAD Publication No. SCA/4/I (Vol. 1)
- 6.1.2 Specification for Building work - Sri Lanka (Vol. 2) – October 2001 Sanitary Installation. ICTAD Publication No. SCA/4/II (Vol. II).
- 6.1.3 Specification for Water Supply & Sewerage and Storm Water Drainage works - Sri Lanka. ICTAD Publication No. SCA/3/2.
- 6.1.4 Specification for Electrical and Mechanical Works associated with Building & Civil Engineering - Sri Lanka. ICTAD Publication No. SCA/8.

6.2 METHOD OF MEASUREMENT

The Bill of Quantities has been prepared generally in accordance with the “Sri Lanka Standard Method of Measurement” (SMM 573, 1999) and quantities given here may not be 100% accurate. Payment will be made based on the actual measurement at the site.

6.3 GENERAL NOTES ON PRICING

- 6.3.1 The Contractor should carry out the work strictly as per the drawings and as per the advice by the Engineer. The BOQ quantities are approximate and provided only a guideline.
- 6.3.2 Cost of any testing to the requirements of the Engineer should be borne by the contractor.
- 6.3.3 Contractor should arrange any testing request by Engineer from Institution decided by the Engineer.
- 6.3.4 Contractor should Provide sanitary facilities for workmen.
- 6.3.5 All necessary planking, strutting dewatering and Scaffolding work for construction unless allowed under items.
- 6.3.6 In the specifications, if any materials/fittings are described by using a trade name, it is only for the purpose of indicating the minimum level of quality and standard required. The Bidder may use any other material/fitting, which are considered equivalent in quality and standard to those specified therein subject to the approval of the Engineer.

6.4 PARTICULAR SPECIFICATIONS

The Particular Specification shall be read in conjunction with the General Specification where applicable. In the event the Particular Specification is in conflict with the General Specification, the Particular Specification shall prevail.

6.4.1 EARTH FILLING

- 6.4.11 Where the existing ground surface is covered with vegetation topsoil or other unsuitable material, it shall be removed together with roots, rubbish or objectionable materials etc. Vegetation or other unsuitable material so removed shall be disposed within 5.0 km of the site.
- 6.4.1.2 It shall be free of vegetation, roots and other deleterious materials.

6.4.1.2 Maximum dry density at optimum moisture content (Standard Proctor Density) shall not be less than 1.6 g/cm³. If the Engineer decides to check.

6.4.1.3 The maximum size of particles shall not exceed 120 mm.

The Engineer shall have complete control over the excavation, moving, filling, and disposition of all material and shall determine the suitability of material to be placed in fill areas. All material determined unsuitable shall be placed in spoil area and / or removed from site as directed by the Engineer.

The Contractor shall inform and satisfy as to the character; quality and distribution of all materials to be excavated filled, spoiled and borrowed.

Should the Contractor through negligence or other fault excavate or fill beyond the designated lines, he shall replace/remove such excavation/fill in an approved manner and conditioned at his own expense.

6.4.1.4 Placing of Fill Material

The distribution and gradation of the material throughout the fill shall be carried out as directed by the Engineer, so as to ensure that the fill will be free from lenses, pockets, streaks, or layers of material differing substantially in texture or gradation from the surrounding material. The borrow excavation and placing operation shall be such that the materials when compacted will blend sufficiently to secure the best practicable degree of compaction and stability. Successive loads of material shall be dumped and spread so as to produce the best practicable distribution of material and for this purpose the Engineer may designate the locations in the fill areas where individual loads shall be deposited.

The fill material shall be placed in layers not exceeding 225-mm thickness in loose state after compacting the existing surface on which the fill is laid. The fill shall be compacted at each lift to not less than 90% of the Standard Proctor Density for the building area. For the earth filling along the road way and access roads, the fill shall be compacted at each lift to not less than 100% of the standard Proctor density. The Engineer will decide the sufficiency of the compaction and will request the contract to do the testing if required. The thickness of the 1st layer may be increased to facilitate compaction with the approval of the Engineer.

The method of compaction shall be approved by the Engineer.

6.4.1.5 Method of Measurement

The quantity of fill material shall be determined by measuring the depth by auguring and multiplying by the area each auger hole represents. All such quantities shall be added to determine the total quantity. Interim payments shall be made on quantities estimated by the Engineer.

In the alternative, quantities could be calculated on level differences of original ground and the finished level if the Engineer decided to do so.

The measurements for earthwork have to be the net volume of earth after compacting the approval of the Engineer.

6.4.2 Surface Treatments

The method of treatment and application to be forwarded with tender for evaluation and approval of the Engineer.

The Contractor shall submit prior to acceptance of the work, written certificate of warranty for 10 years from the date of completion of the treatment and if any outbreak of termites is experienced within this period, Contractor should carry out the necessary treatment free of charges.

6.4.3 EXCAVATION

- 6.4.3.1 Any type of soil excavation except hard rock requiring blasting.
- 6.4.3.2 Leveling bottom of excavation.
- 6.4.3.3 Back filling with selected excavated material and consolidation.
- 6.4.3.4 Dewatering including pumping out water up to the nearest manhole in the existing drainage system.
- 6.4.3.5 Disposal of surplus excavated material away from the premises.
- 6.4.3.6 Necessary planking and strutting.
- 6.4.3.7 Working spaces if required as BOQ contains the quantity as per drawing requirement.

6.4.4 CONCRETE WORKS

6.4.4.1 In-Situ Concrete

Grade of concrete used in the construction and the suggested mixes are as follows but the contractor to achieve the given compressive strength (eg. Grade 30 = compressive Strength 30 N/mm²).

Grade 30 - 20mm aggr.	(suggested mix 1:1:2)
Grade 25 - 20mm aggr.	(suggested mix 1:1 1/2:3)
Grade 20 - 20mm aggr.	(suggested mix 1:2:4)
Grade 15 - 25mm aggr.	(suggested mix 1:2.5:5)
Grade 10 - 25mm aggr.	(suggested mix 1:3:6)

6.4.4.2 Mixing Concrete

- 6.4.4.2.1 All reinforced concrete work shall be carried out in accordance with B.S.8110 and parts remaining under water shall be carried out in accordance with B.S. '8097 of 1987.
- 6.4.4.2.2 The cement is to be Portland cement obtained from an approved manufacturer and shall comply with B.S. 12, used fresh and stored in a dry place.
- 6.4.4.2.3 The materials for Concrete shall be measured in accurate gauge boxes on a boarded platform "Ready Mix" Concrete shall not be used without the written consent of the Engineer, and this consent if granted may control those specified therein.
- 6.4.4.2.4 The Concrete shall be properly cured by covering with an absorbent material and maintained in a wet condition for as long as may be directed by the Engineer and at all times proper and adequate protection is to be provided against rain, heat and drying wind.
- 6.4.4.2.5 No load shall be allowed on the work until the concrete has sufficiently matured.
- 6.4.4.2.6 Prices of all concrete beds are to include for lying in alternate bays if required and for formwork to edges.
- 6.4.4.2.7 Rate for concrete work shall include taking all necessary precautions to cover the concrete surface with "Polythene" to protect from drying and shrinkage of the surface.
- 6.4.4.2.8 Rate shall include plant fixing, handling, hoisting, depositing, compacting and vibrating.

6.4.5 REINFORCEMENTS

- 6.4.5.1 Mild steel reinforcement and steel fabric reinforcement shall comply with B. S. 785 part I, as applicable and shall be free from loose rust, scale dirt or grease. Bar Bending shall comply with B. S. 1478, and all bends are to be made cold.
- 6.4.5.2 Bar reinforcement has been measured as net weight as placed and tied. The prices are to allow for bends, waste and for extra weight of tying wire, distance blocks, ordinary spacers, rolling margin and for laps (design laps measured)
- 6.4.5.3 Fabric reinforcement has been measured as net area covered, and the prices are to allow for 6" minimum side and end laps, tying wire and ordinary spacers.
- 6.4.5.4 Grade $f_y = 460 \text{ N/mm}^2$ – Deformed high yield steel bar reinforcement.
- 6.4.5.5 Grade $f_y = 250 \text{ N/mm}^2$ – Plain round steel bar reinforcement
- 6.4.5.6 Contractor shall produce a certificate of origin from the manufacture and a test certificate of compliance with the relevant Sri Lanka and British Standard from an approved Laboratory at the Contractor's own cost.

6.4.6 FORMWORK

- 6.4.6.1 Prices for formwork are included for overlaps, passing, battens, strutting, bolting, wedging, easing, striking, and removing.
- 6.4.6.2 Prices for wrought formwork are to include for rubbing down the face of concrete after striking to remove all laitance or irregularities and for forming fair face to concrete free from pitting or honeycombing with all arises formed sharp and true.
- 6.4.6.3 The prices of pre-cast concrete lintols are to include for all moulds, steel rod reinforcement cranked and hooked at ends and for leaving the exposed faces rough for plaster unless otherwise described and for hoisting and setting at various levels in cement mortar where described as "finished fair" the concrete is to be finished to give a perfectly smooth and even surface.
- 6.4.6.4 The prices of all chases, holes, mortices, etc. shall include either for being cut out afterwards and no claim by the Contractor in this respect will be allowed.

6.4.7 WATERPROOFING WORK

6.4.7.1 Scope of Work

Waterproofing shall be carried out in a specified area of the concrete floor slab and up to 225 mm above the finished floor level on thinly plastered masonry walls in toilet /bath areas and other specified areas.

6.4.7.2 Description of Work

The floor slab shall be thoroughly washed and cleaned to be free of dirt, loose mortar particles, paints, films, etc.

The water proofing membrane shall be applied on the dampened surface in conformity with the water proofing material Supplier/ Manufacture's printed literature and under the direction of the Supplier/ Manufacture's representative.

After the waterproofing membrane is sufficiently cured, the relevant area shall be ponded with water for at least 3 days for observation of leaks. If any leaks are observed, the application of the membrane shall be repeated.

If no leak or dampness is observed in the floor slab, floor tiling or other finish should follow as soon as possible thereafter, taking care not to disturb or damage the membrane in any way.

6.4.7.3 Material & Method of Application

The contractor submits the proposed material and method of application with the tender for evaluation and approval of the Engineer to be obtained prior to commencement.

6.4.7.4 Certificate & Warranty

The contractor shall submit prior to acceptance of the work, written certificate stating that all materials and workmanship in connection with specified work have been furnished and installed in complete conformance with these specifications, and with the approved manufacturer's requirements for this work.

The contractor shall jointly with the Manufacturer/Supplier of the specialist waterproofing materials furnish a warranty to the Employer valid for a period of 10 years after handing over of the works, against dampness and/or moisture penetration through treated surfaces due to defective material and/or defective workmanship

The warranty shall provide not only the materials necessary to remedy a problem but also the labour and equipment

6.4.8 METAL WORKS

6.4.8.1 General

Aluminum glazed units shall be supplied with all hardware furniture and fittings.

The Contractor shall submit to the Engineer the shop drawings and technical data and other relevant information for approval of the Engineer.

The Contractor shall include in his rates the cost of tests generally required for ascertaining the suitability of aluminium extrusions, anodizing, strength of joints, gaskets and weather stripping, strength of joints and air and water infiltration.

- | | |
|--------------------------|---|
| B.S. 1161: 1977 (1991) – | Specification for aluminium alloy sections for Structural purposes. |
| B.S. 1470: (1987) – | Wrought aluminium and aluminium alloys plate, sheet and strip. |
| B.S. 1474: (1987) – | Wrought aluminium and aluminium alloys for general engineering purpose and external architectural application bars, extruded down tubes and sections. |

6.4.8.2 Powder Coating

Powder coating shall conform to BS 6496: 1984 (1991). The powder coating shall be of thickness 60-80 microns and of approved colour. The Contractor shall submit a ten (10) year guarantee for the powder coated finish. The Contractor shall allow for cost of required tests for checking the coating as directed.

6.4.8.3 Wind Loading

The fabricated aluminum doors and windows shall be capable of withstanding a wind pressure load not less than 1500 Pascals (75 M.P.H.)

6.4.8.4 Weather Stripping

The weather stripping shall be vinyl or other plastic materials which are dimensionally stable and are resistant to ultra violet rays, water absorption and are suitable to be used in marine atmosphere.

6.4.8.5 Screws Nuts etc.

All screws, nuts, washers, bolts, rivets and other fastening devices should be of stainless steel. Aluminum alloy fasteners may be used in lieu of stainless steel fasteners with the written approval of the Engineer.

6.4.8.6 Ironmongery

Ironmongery used shall satisfactorily perform the function for which it is intended. They shall be of aluminum die cast alloy, stainless steel or other non-corrosive materials compatible with aluminum. The Engineer shall duly approve all items of ironmongery before fixing in position.

6.4.8.7 Glass

Glass shall be 5mm thick clear glass suitable for single glazing and having a thickness (minimum 5mm) as specified. Glass shall conform to the relevant British Standard including following:

B.S. 952 Part 1: 1995 – The classification of glass for glazing and terminology for work and
B.S. 952 Part 2 of 1980.

6.4.8.8 Assembly

The design of windows should permit free movement of air from exterior environment to the immediate spaces between the window frame and ventilator to achieve pressure equalization. The windows should have snap on reusable extruded aluminium glazing beads and easily removable bottom rails.

The glazing beads should not extend underneath the glass. The design of windows should permit re-glazing without disassembly of all ventilator extrusions from the frame.

All openable window sash corners should be mitered angle reinforced or mechanically staked and Epoxy painted. If frames with incompatible extrusions are used, then these extrusions should be mortised and tenoned. A permanent watertight joint should be made to the junctions of the side frame members with all horizontal members. Window panels must be provided with minimum three weep holes, one at the center and one each between the jamb and the setting block. Fixing of aluminium units to concrete shall be done with high quality Rawl Plugs with stainless steel sections and other approved fixing devices. Where friction stays are used the shop drawings shall clearly indicate the size of such stays. The joint between window

frames, external door frames and concrete or masonry work shall be adequately caulked with a suitable caulking compound. Polysulphide or Silicon sealant may be used for this purpose. The Contractor shall furnish all literature and instructions published by the manufacturer of the sealant along with the Tender. Only caulking compound approved by the Engineer in writing shall be used.

Natural Aluminum extrusions and accessories shall be to Engineer's approval and shall be in Aluminum colours. Glass shall be approved clear/tinted/frosted etc. (as applicable) and thickness of Glass 4-5 mm.

Samples of all profiles, ironmongery, glass, locks and other accessories etc. should be submitted at the time of construction, prior approval should be obtained before placing orders.

Any discrepancy in detail drawing such as dimensions, descriptions etc. with actual site measurements should be brought to the notice of the Engineer before fabrication.

The Contractor shall submit test certificates from the manufacturer of aluminium extrusions guaranteeing that the products comply with standards applicable to the country of origin of these materials if requested by the engineer.

Fabrication and installation of aluminium units shall be thoroughly watertight.

The degree of resistance to air leakage shall be Grade A (superior resistance) recommended for air-conditioned buildings.

6.4.9 CEILING AND CLADDING

6.4.9.1 Ceiling

6.4.9.1.1 Flat asbestos sheet ceiling

As per ICTAD SCA/4/I, 11.2.1

6.4.9.1.2 Mineral Fiber ceiling

Mineral Fiber ceiling panels of 600x600x15mm with. G.I. hot dipped powder coated type frame work of colour white, Suspended with 4mm thick G.I. adjustable hanger rods at suitable intervals. Ceiling shall be installed horizontally as per manufacturer's specifications and Engineer's approval.

6.4.9.1.3 Aluminium Strip ceiling

Aluminium strip ceiling with all necessary Aluminium accessories as per manufacture installation details and as approved by the Engineer. Method of fixing should be capable to take a maximum wind load of 128Kmph (80 mph). Rate to include for necessary steel frame work and fixtures as per manufactures instruction and as approved by the Engineer and all completed as directed.

The Contractor should submit the technical data and the detail sketch showing the installation process for engineers approval before installing the ceiling

6.4.9.1.4 Zn / Alu Colour Bonded Ceiling

Zn/Alu colour bonded sheet of 0.47mm thick (AZ 150) of approved ceiling profile to be fixed to a steel frame work to withstands to wind load of 128Kmph(80mph).

6.4.10 INTERLOCK PAVING BLOCKS

Approved quality paving blocks used should have at least compressive strength equivalent to **Grade 30** concrete. (Test report to be submitted) Size of the paving stone should be 220x110x80 mm. Design/Pattern of stone to be decided by the Engineer. Contractor should arranged any test at his cost if decide by the Engineer at site.

Paving stone should be placed on 50mm (min.) sand/quarry dust bedding on well compact soil to the specified slope. Edges of the paving should be finished with pre cast edge block and mass concrete equivalent to paving stone strength.

6.4.11 COMPOSITE CLADDING FOR WALL / CANOPY

Composite panel means the panels consisting of two Aluminium cover sheets (0.5 mm each) and a plastic or mineral filled core (3mm thick).

6.4.11.1 Technical Data (Minimum requirement)

Thickness	- 4 mm
Cover sheet thickness	- 0.5 mm
Weight	- 5.0 kg/m ²
Fire Rating	- 1 hr

Colour to be selected by the Engineer.

6.4.11.2 The Contractor should submit the Method Statement and drawing before installing the composite cladding.

6.4.11.3 Contractor should forward a 5 Year warrantee for material, colour and the installation system.

6.4.12 TURFING

6.4.12.1 The surface on which turf to be laid shall be tamped and leveled as shown in plan and in accordance with the instruction of the Engineer.

6.4.12.2 The surface shall be backfilled with top soil up to 4" and leveled.

6.4.12.3 The turf shall be cut from areas selected in sods of approx. 9"x9"x3" thick and shall be conveyed to the site in such a manner that the backing is not lost.

6.4.12.4 The sods shall be laid close to each other and any space between the sods shall be filled with approved organic earth.

6.4.12.5 Before turfing, the surface shall be raked and leveled by adding carbonic manure and well watered.

6.4.12.6 The sods shall be tamped to obtain a uniform level and well watered. The sods shall be watered daily for two weeks.

6.4.12.7 Two weeks after turfing, a selected chemical fertilizer shall be applied to the grass in accordance with the manufacturer's prescription.

6.4.12.8 During the period of maintenance the grass shall be trimmed with a lawn mover at regular intervals as required.

6.4.12.9 Where the sods are laid on sloping ground or of embankment, spikes shall be driven through the sods to hold them in position and spikes shall be removed only after the sods have taken on the ground. The process of watering and tamping will then be applied.

6.4.13 SANITARY FITTINGS AND ACCESSORIES

All connections to appliances shall be through 20mm diameter chrome plate angle valve (good quality approved by the Engineer) and connected to fitting with, 12mm diameter chromed flexible pipe or approved equivalent. (Plumber or equivalent)

Contractor shall submit the samples of each accessory to the Engineer before the installation.

Technical data / Catalog to be submitted to the Engineer by the contractor before purchasing the sanitary fitting

6.4.14 ELECTRICAL INSTALLATION

6.4.14.1 The electrical installation shall be for 400V, 3 phases or 230V single phase 50 Hz. A.C. Supply. All accessories used in the installation shall be for the appropriate working voltage.

6.4.14.2 Execution of work in every respect shall be to the satisfaction of the client / consultant and conform to the 16th edition of IEE wiring regulations. Any deviation shall have to be approved by the consultant.

6.4.14.3 The position of electrical fittings etc. shown in the drawings are approximate and exact position to be decided at site.

6.4.14.4 When procuring main cables contractor shall take in to account the actual physical measurement to avoid joints. Special orders shall be placed with the manufacturers for cable length more than 100 meters.

6.4.14.5 Before laying of conduit pipes on ceilings a conduit layout drawing shall be prepared by the Contractor for the approval of the consultant.

6.4.14.6 It is the responsibility of the Contractor to repair all walls, slabs, etc. to the satisfaction of the client.

6.4.14.7 All items shall be of reputed makes and samples shall be forwarded to the consultant for approval. In case of main switch board reputed manufacturer approved by the consultant shall make as per the given drawings.

6.4.14.8 All imported materials and fittings shall have the country of origin and the British Standard number marked.

6.4.14.9 Rates shall include for :-

6.14.4.10 Labour, transport and profit.

6.14.4.11 All accessories such as clips, screws, junction boxes, 3 core flexible cables, ceiling roses, G.I. chains, fan hooks etc.

6.14.4.12 Testing and commissioning.

6.14.4.13 The complete electrical installation shall be fully re-wirable type in concealed rigid PVC pipes / conduits.

6.14.4.14 Fixing Heights

Fixing heights from floor levels, unless directed otherwise shall be as follows:

➤ Distribution Boards	1.7m
➤ Main Distribution Boards	1.7m
➤ Lamp fittings	2.4m
➤ Ceiling fans	2.5m
➤ Switches and fan regulators	1.4m
➤ Socket outlets for general use	0.2m

6.14.5 EQUIPMENTS

6.14.5.1 MDCs / DBs

Shall be metal clad or plastic flush mounted type and be of a reputed make conforming to BS 5486 or equivalent. It shall be with a hinged door; bus bars neutral bar and earth bar shall be of hard drawn copper.

6.14.5.2 Miniature Circuit Breakers (MCB)

MCB shall be of a reputed make having thermal over load and magnetic short circuit protections and shall conform to BS 3871 DIN rail type. The breaking capacity shall be more than 6KA and type 2 shall be used for the lighting circuits and motor circuit type 3 shall be used.

6.14.5.3 Residual Current Devices (RCDs) (RCCBs)

Shall be current balance type complying with BS 4293 sensitivity shall be 30mA. or as specified in the drawings.

6.14.5.4 PVC Cables

All cables shall be 450/750 Volt grade PVC insulated PVC sheathed copper complying with BS 6004. Red color shall be used for the phase conductor and black color shall be used for the neutral conductor. For the protective conductor (Earthing) PVC insulated copper wire shall be used with green or green and yellow color. Jointing of cables is not accepted.

6.14.5.5 Amps. Switches

They shall be white color complying with BS 1360.

6.14.5.6 Socket Outlets

13A socket outlets shall be flush types with switch, white in color complying with BS 1363. 15A and 5A socket outlets shall be flush types with switch, white in color complying with BS 546.

6.14.5.7 PVC conduit pipes Switch boxes, Round blocks and Junction boxes

They shall be complying with BS 4607 or equivalent. Switch boxes shall be PVC junction moulded types and hand made boxes shall not be used. Switch boxes shall be brass fixing screws. In places where are not buried they shall be clipped at 500mm intervals.

6.14.5.8 Screws and Panel Pins

All screws and panel pins shall be brass, brass plated items shall not be used.

6.14.5.9 Ceiling Roses

Ceiling roses shall be plate type and shall confirm to BS 67 or equivalent. Connections to all lamps, fans shall be through a ceiling rose unless otherwise instructed.

6.14.5.10 Lamp Holders

All lamp holders shall be bayonet type conforming to BS 5042 or any other type specified CG holders shall be brass types.

6.14.5.11 Incandescent Bulbs

All incandescent bulbs shall be with bayonet cap type and shall comply with BS 161 or any other type specified. All lamp fittings shall provided with a bulb.

6.14.5.12 Exhaust Fans

Wall mounted exhaust fans shall be of a reputed make suitable for 230 Volts, 50Hz connections. The motor shall be a totally enclosed type having speed, preferably less than 1500 r.p.m. literature giving the performance of air flow and noise level shall be submitted for approval.

6.14.5.13 Underground Cables

Underground cables shall be 600/1000 volts grade PVC insulated PVC sheathed single wire armoured. PVC overall sheathed copper cable conforming to BS 6346. It shall be laid 600mm below ground level and covered with concrete cable tiles cables trench shall not be closed without the consent of the Client / Consultant. When there is more than one cable in the same trench the distance between the cables shall be at least 50mm. Rate shall include cost of cable and sockets, cable glands PVC taps etc. When procuring under ground cables B.O.Q. quantities shall not be taken. No extra payments will be paid for under ground joints.

FORM OF BID

Note: Prior to the issue of the bidding documents, the Employer should insert relevant data for all items marked with an asterisk (*).

Name of Contract: Modification of Lanka Filling Station at Modifications of Lanka Filling Stations – Eppawala, Deniyaya, Puttalam, Balangoda, Mahiyanganaya, Karaliyadda and Mirigama

To:* *Ceylon Petroleum Corporation*

Gentlemen:

1. Having examined the Standard Bidding Document - Procurement of Works – Major Contracts [ICTAD/SBD/02 - Second Edition, January 2007], Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bills of Quantities and addenda for the sum of Sri Lankan Rupees (LKR) or such other sums as may be ascertained in accordance with the said Conditions.
2. We acknowledge that the Contract Data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid until the date specified in ITB Clause 16 [insert date], and it shall remain binding upon us and may be accepted at any time before that date.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us.
6. We understand that you are not bound to accept the lowest or any bid you may receive.
7. We certify/confirm that we comply with the eligibility requirements as per ITB Clause 3 of the bidding documents.

Dated this day of.....20.....

Signature in the capacity of

duly authorized to sign bids for and on behalf of
[in block capitals or typed]

Address:

Witness:

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION AT BALANGODA.
CEYLON PETROLEUM CORPORATION**

SALES BUILDING

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty.	Unit	Rate	Amount
A	<u>BILL NO 01 - PRELIMINARIES</u>				
1A	<u>PRELIMINARIES</u>				
	<u>Bonds & Insurance.</u>				
1A/01	Allow lump sum for providing Bid Security	Item	Item		
1A/02	Allow lump sum for providing Insurance	Item	Item		
1A/03	Allow lump sum for providing a Performance Bond.	Item	Item		
1A/04	Allow lump sum for providing an Advance payment guarantee .	Item	Item		
	<u>Temporary Buildings.</u>				
1A/05	Provide Lump Sum to construct good quality office with good ventilation for Client/Consultant staff.(approx 15m ²)and to provide two chairs, one table .	Item	Item		
1A/06	Provide Lump Sum to construct water-tight shed equipment and maintain temporary buildings for protection and storage of materials, plant and workshops.	Item	Item		
1A/07	Allow for temporary sanitary accomodation of site for the contractor's staff and workmen .	Item	Item		
1A/08	Provide Lump Sum to construct good quality lockable hut for cash office /store for the filling station staff (approx 24m ²)	Item	Item		
1A/09	Provide Lump Sum for erection of temporary site office for contractor with electricity ,water supply waste and drainage facilities.(approx 20m ²)	Item	Item		

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SALES BUILDING

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty.	Unit	Rate	Amount
1A/10	Allow for supply water for use during construction. It shall be the responsibility of the contractor to find the source of supply and storage facilities and internal arrangement and payment for consumption to authorities .	Item	Item		
1A/11	Allow for supply temporary electricity to the site for the works including obtaining connection internal arrangement and payment to authorities .	Item	Item		
1A/12	<u>Setting out</u> Provide Lump sum for setting out of the works.	Item	Item		
TOTAL FOR PRELIMINARIES WORK CARRIED BILL NO - 01 TO SUMMARY.				Rs	

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SALES BUILDING

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty.	Unit	Rate	Amount
	<u>BILL NO 02 - BUILDING WORKS .</u>				
2A	<u>DEMOLITIONS</u>				
2A/01	Clearing site (existing tar yard) including levelling as required and remove surplus excavated materials from site to a place to be provided by the contractor .(Approximate area 550m2)	1.00	Item		
	<u>Demolition.</u>				
2A/02	Demolish and remove existing structures from the site.(Contractor to give credit on salvaged item in the main Summary). Existing single story sales building (size 12'3"x23'0"), 3nos single canopies, temporary lubricant stores and generator room (size 20'0"x10'0"),Toilet block (Size 8'0"x6'0")and other minor structures, plastered brick, windows and doors, all existing services such as water supply lines, sewerage lines, electrical installation including fittings septic tank (To remove sludge, back fill with imported soil and compacting to approval), and dump site to be arranged by the contractor and rate to be included for handling & transporting demolished materials, as per engineers instruction etc.	1.00	Item		
	<u>Note</u> -: Contractor to quote a price for removing all salvage item given in the main summary which will consist of all building materials in the building except electrical items, under ground tanks, hoists, pump guards, single canopy roofs, steel fuel pipe lines, cable etc.				
2A/03	Allow sum for cutting and remove trees girth exceeding 1'6", but not exceeding 5'0"	2.00	Nr		
2A/04	Dismantle pipelines and remove existing 2000 gln. Under ground tanks and manhole. Rate to include for back filling with imported soil rammed and consolidated to approval.	3.00	Nr		

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B O Q NO - 2026/BALA'GODA/15/01

Item No	Description	Qty.	Unit	Rate	Amount
2A/05	To transport all 3no removed 2000 gln. tanks from LFS Balangoda to Sapugaskanda, (Nylon 6 of CPC.). Rate to include all handling charges including loading and unloading.	1.00	Item		
TOTAL FOR DEMOLISHING WORK CARRIED TO SUMMARY				Rs	
2B	<u>EXCAVATION AND EARTH WORK</u>				
	Note - Contractor should clear the site upon completing including removal of debris ,rubbish and all excess excavated material to a place to be provided by the contractor .				
	<u>Excavation</u>				
2B/01	Excavation not exceeding 1.5m commencing from reduced level and including levelling and ramming bottom,part return and remove surplus excavated material as directed for column foundations .	5.90	m ³		
2B/02	- Ditto - in wall, staircase foundations .	11.70	m ³		
	<u>Earth filling (Quantities for the compacted volume)</u>				
	<u>Earth filling</u>				
2B/03	Supply and filling imported soil spread in layers not exceeding 150mm at a time watered well rammed and consolidated.(Sales office,stores,bath room , staircase room.)	5.00	m ³		
2B/04	Selected excavated material at site fill in layers -ditto-	5.00	m ³		
2B/05	Load and cart away excess excavated materials away from site to a place to be provided by the Contractor.	12.00	m ³		
	<u>Dealing with water</u>				
2B/06	Allow for dewatering underground water in any area during the period of construction .(If necessary)	1.00	Item		

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B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty.	Unit	Rate	Amount
2B/07	<u>Anti- termite Treatment</u> Anti termite treatment to excavated surfaces and back filled areas of building to manufactures specifications.(Tenderer to submit technical proposals along with the tender) payment will be effected only on submission of guarantee (provisional) of 5 years .	20.15	m ²		
TOTAL FOR EXCAVATION EARTH WORK CARRIED TO BILL NO - 02 SUMMARY				Rs	
2C	<u>CONCRETE WORK</u>				
	<u>Upto ground floor level</u>				
	<u>Plain Concrete - Grade 15.</u>				
2C/01	Lean cement concrete 1:3:6 (20mm)75mm thick layer under column footings.	11.60	m ²		
2C/02	- Ditto - Staircase footing.	0.60	m ²		
2C/03	Lean cement concrete 1:3:6(20mm) 50mm thick layer under rubble wall foundation .	16.15	m ²		
2C/04	75mm thick 1:3:6(20mm) plain concrete in sales building floor.	19.20	m ²		
	<u>Reinforced cement concrete Grade 25 (1: 1 1/2 : 3), to the following.</u>				
2C/05	Column footings.	0.85	m ³		
2C/06	Column shafts .	0.25	m ³		
2C/07	Plinth beams. (225mmx225mm)	1.65	m ³		
2C/08	Staircase footings .	0.35	m ³		
	<u>Ground floor level to upper floor level.</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>Reinforced cement concrete Grade 25 (1: 1 1/2 : 3) to the following.</u>				
2C/09	Columns.	1.00	m ³		
2C/10	Tie beams @ lintol level.	1.10	m ³		
2C/11	125mm thick upper floor slab.	5.45	m ³		
2C/12	- Ditto - in beams.	1.00	m ³		
2C/13	Steps and waist of staircase including landing slab.	1.40	m ³		
	<u>Upper floor level to roof level.</u>				
2C/14	Columns.	1.20	m ³		
2C/15	Tie beams @ lintol level .	0.60	m ³		
2C/16	125mm thick upper floor slab (in water tank).	1.60	m ³		
2C/17	- Ditto - in beams.	0.60	m ³		
	<u>FORM WORK</u>				
	<u>Up to ground level</u>				
2C/18	Form work to sides of column footings.	6.00	m ²		
2C/19	Form work to sides of column shaft .	5.90	m ²		
2C/20	- Ditto - to sides of plinth beams .	50.00	m ²		
2C/21	- Ditto - to sides of staircase .	3.00	m ²		
	<u>Ground floor level to upper floor level.</u>				
2C/22	Form work to sides of column shaft .	20.80	m ²		
2C/23	Form work to sides and soffit of upper floor slab.	50.00	m ²		
2C/24	Form work to sides of beams.	14.50	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
2C/25	Form work to sides and steps and waist of staircase including landing slab.	18.50	m ²		
2C/26	Form work to sides of tie beams @ lintol level.	8.60	m ²		
	<u>Upper floor level to roof level.</u>				
2C/27	Form work to sides of column shaft .	0.75	m ²		
2C/28	Form work to sides and soffit of water tank slab.	20.00	m ²		
2C/29	- Ditto - in beams .	9.25	m ²		
2C/30	Form work to tie beams @ lintol level .	8.00	m ²		
	<u>REINFORCEMENT</u>				
	<u>Upto ground floor level</u>				
2C/31	Reinforcement steel in column footing . Y12mm	86.00	Kg		
2C/32	Reinforcement steel in column shaft. Y12mm	61.00	Kg		
2C/33	R-6mm	13.00	Kg		
2C/34	Reinforcement steel in plinth beams . Y12mm	150.00	Kg		
2C/35	R6mm	40.00	Kg		
2C/36	Reinforcement steel in staircase . Y10mm	25.00	Kg		
2C/37	Y12mm	15.00	Kg		
	<u>Ground floor level to Upper floor level.</u>				
2C/38	Reinforcement steel in column shaft. Y12mm	65.00	Kg		
2C/39	R6mm	11.00	Kg		
2C/40	Reinforcement steel in upper floor slab . Y10mm	460.00	Kg		
2C/41	Y12mm	250.00	Kg		

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Item No	Description	Qty.	Unit	Rate	Amount
2C/42	- Ditto - in beams . Y12mm	190.00	Kg		
2C/43	R-6mm	35.00	Kg		
2C/44	Reinforcement steel in tie beams @ lintol level. - Y12mm	65.00	Kg		
2C/45	R-6mm	12.00	Kg		
2C/46	Reinforcement steel in staircase . -Y10mm	45.00	Kg		
2C/47	Y12mm	35.00	Kg		
	<u>Upper floor level to roof level.</u>				
2C/48	Reinforcement steel in column shaft. Y12mm	85.00	Kg		
2C/49	R6mm	28.00	Kg		
2C/50	Reinforcement steel in water tank slab. Y10mm	160.00	Kg		
2C/51	- Ditto - in beams . Y12mm	51.60	Kg		
2C/52	R-6mm	15.00	Kg		
2C/53	Reinforcement steel in tie beams. Y12mm	200.00	Kg		
2C/54	R-6mm	41.00	Kg		
TOTAL FOR CONCRETE WORK CARRIED TO BILL NO - 02 SUMMARY				Rs	
2D	<u>MASONRY WORK</u> <u>Brick work</u>				
2D/01	225mm thick brick work in cement and sand 1:5 to walls in ground floor .	60	m ²		
2D/02	- Ditto - walls in upper floor	30	m ²		
2D/03	112.5mm thick brick work in cement and sand 1:5 to walls in ground floor .	10	m ²		
2D/04	- Ditto - walls in upper floor	110	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>Rubble Work</u>				
2D/05	150mmx 225mm random rubble masonry work in cement and sand 1:5 to walls foundation .	11.00	m ³		
TOTAL FOR MASONRY WORK CARRIED TO BILL NO -02 SUMMARY				Rs	
	<u>ASPHALT WORK</u>				
2E/01	500 Gauge polythene sheet as horizontal damp proof membrane under ground floor slab . Rate shall include for upstand to sides and corners not exceeding 150mm in height .	20.00	m ²		
	<u>Water proofing</u>				
2E/02	Provide approved water proofing system by a specialized water proofing contractor to water tank base slab and ground floor bathroom floor,walls .(Payment will be given after handing over of 5 years warranty.)	36.00	m ²		
TOTAL FOR ASPHALT WORK CARRIED TO BILL NO - 02 SUMMARY				Rs	
	<u>METAL WORK</u>				
	<u>Note</u> <u>All aluminium partition extrusions shall be powder coated and of approved colour(White colour) ,Total thickness of 60-80microns.</u>				
	<u>Aluminium Doors & Windows</u>				
2F/01	Supply and fix aluminium framed glazed paneled sliding door.Type SD1 overall size 1200mm x 2400mm high.Rate include frame & sash fixing ,fabricating, glazing beading,cutting ,locks,ironmongery,door handle, etc.	2.90	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
2F/02	Supply and fix aluminium framed glazed paneled sliding door.Type SD2 overall size 900mm x 2100mm high.Rate include frame & sash fixing ,fabricating, glazing beading,cutting ,locks,ironmongery,door handle, etc.	1.90	m ²		
2F/03	Supply and fix aluminium framed aluminium paneled door.Type D1 overall size 900mm x2100mm high.Rate include frame & sash fixing ,fabricating, glazing beading,cutting ,locks,ironmongery,door handle, door closer etc.	1.90	m ²		
2F/04	Supply and fix aluminium framed aluminium louver paneled door with fanlight on top .Type D2 overall size 825mm x2100mm high.Rate include frame & sash fixing ,fabricating, glazing beading,cutting ,locks,ironmongery,door handle, door closer etc. (2 nos)	3.50	m ²		
2F/05	Window type W ,overall size 900mm x 1500mm aluminium framed glazed panelled window.As per detail drawing with and including all necessary fixtures & fittings (2 nos).	2.70	m ²		
2F/06	Supply and fix aluminium framed fixed glazed panelled window .Type FG -1 overall size 3800mm x 2400mm high.Rate include frame & sash fixing ,fabricating, glazing beading,cutting ,locks,ironmongery, handle, etc.	9.20	m ²		
2F/07	Supply & fix aluminium framed fixed glazed paneled fanlight .type F1 overall size 900mm x 600mm fix to frame. Rate to include frame sash fixing fabrication beading cutting,glazing etc.all as per drawing.	0.54	m ²		
	<u>Hand rail</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
2F/08	900mm high stainless steel handrail comprising 40mm dia stainless steel top rail 2mm thick stainless steel supports at approx 1200mm c/c distance 3no's 25mm dia horizontal stainless steel rods ,fixed complete with 100mm x 100mm stainless steel base plate and 04 no's stailess steel screws nail.	12.00	m		
	<u>Suspended Ceiling</u>				
2F/09	Supply and installation of Aluminium powder coated perforated metal ceiling panel 600mm x 600mm x 15mm with inter locking G.I hot dipped powder coated type frame work (colour-white) suspension will be G.I, 4mm thick adjustable hanger rod system. ceiling shall be installed in horizontal manner with shallow gap. (Office building area)	30	m ²		
TOTAL FOR METAL WORK CARRIED TO BILL NO 02 - SUMMARY					Rs
2G	<u>CARPENTRY & JOINERY WORK</u>				
	<u>Flat Asbestos Ceiling</u>				
2G/01	Flat Asbestos ceiling sheets on timber frame work consisting of 100mm x 50mm joist and 50mm x50mm bearers at not more than 1.2 m centers .The sheets to be fixed to timber frame work leaving 6mm "V" grooves and 37mm x 37mm halmilla moulding round the edges where ceiling meets the walls.	35	m ²		
2G/02	225mm x 25mm timber valance board fixed to end of steel members with suitable fixing arrangement.Rate to include one coat of wood primer and two coats enamel paint.	4.5	Lm		
TOTAL FOR CARPENTRY & JOINERY WORK CARRIED TO BILL NO 02 - SUMMARY					Rs
2H	<u>ZINC ALUMINIUM ROOFING WORK</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>Zinc Aluminium Roofing</u>				
	Note :-All steel surfaces (except Galvenized iron)to be applied with one coat of anticorrosive & two coats of approved enamel paint.				
2H/01	Zinc Aluminium Colour bonded AZ -150 roofing sheets, thickness 0.47 mm, with approved profile with fixing to the roof frame with approved fasteners, screws, washers, and fittings including all necessary accessories such as ridge caps ensuring proper alignment, overlap, sealing, and weatherproofing,concrete pad etc. All labour, materials, tools, scaffolding, and safety measures to include(Uppe floor Sales Office, Lobby area ,Rest room) (Steel roof structure measured separately.)	48	m ²		
2H/02	150mmx65mmx2.3mm G.I "C" pulins welded to fixed angle iron.Rate to include applying one coat of primer & two coats of enamel paint .	45	Lm		
	<u>Flashing</u>				
2H/03	Fabricate and fixing the flashing with 0.47 gauge, Zinc aluminium sheet to front wall. The width of the Zinc aluminium flashing should not be less than 450mm. (50mm embeded to wall)	21.5	m ²		
2H/04	Colour Bonded Zinc Aluminium gutter (300mmx350mm) with a coated thicknes of 0.47 mm(AZ 150) fixed with 2mm thick G I fixing clips at 600mm centers. all as per and detail drawing in roof . Rate shall include for all necessary specials ,running heads with down spouts.(Down pipes measured seperatly)	4.20	m		
2H/05	Colour bonded Zinc aluminium down pipe 100mm x100mm square type with a coated thickness of 0.47mm complete with specials and connection to gutters.	8.50	m		
	<u>Fascia frame work</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
2H/06	Supply and fixing 50 x 25 x 2mm galvanized box bar sections in 'fascia fabrication as shown in drawing No - 'CEYPET/ENG/0066.including one coat of primer & two coats of approved enamel paint.	90.00	m		
TOTAL FOR ZINC ALUMINIUM ROOFING WORK CARRIED TO BILL NO 02 - SUMMARY					Rs
2J	<u>PLUMBING INSTALLATION</u> <u>Note</u> Rates shall include for supplying and fixing of sanitary appliances with necessary pipes and fittings and connecting to waste outlets and water supply and commissioning. (make and model of sanitary fittings Rocell or equivalent). Tap fittings and toilet accessories should be "plumber " or equivalent. <u>Sanitary Fittings and toilet accessories</u>				
2J/01	Wash basin 550mmx 375 overall handicap design with wall hanging (Rocell or equivalent)white /colour with 20mm dia chromium plated pillar tap ,20mm dia chromium plated angle valve ,40mm dia rubber plug and chromium plated chain waste brackets in painted iron screwed tapered wooden blocks /rawl plugs buried in wall ,water supply and waste water connection all complete to working order.(Prime cost of wash basin with fittings -Rs 45,000/= per nr).	1.00	Nr		
2J/02	Supply and installation of handicap design close couple water closet with " P " or "S" trap ,duel flush complete with flexible connection , angle valves to the working order .(Prime cost of water closet with all fittings -Rs 110,000/= per nr)	1.00	Nr		
2J/03	Supply and installation of upward folding support bar fix to wall.(2' 0" long)	1.00	Nr		

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Item No	Description	Qty.	Unit	Rate	Amount
2J/04	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.00	Nr		
2J/05	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.00	Nr		
2J/06	Wash basin 550mmx 375mm overall pedestal type white /colour with 20mm dia chromium plated pillar tap ,20mm dia chromium plated angle valve ,40mm dia rubber plug and chromium plated chain waste brackets in painted iron screwed tapered wooden blocks /rawl plugs buried in wall ,water supply and waste water conection all complete to working order. (Prime cost of wash basin with fittings -Rs 45,000/= per nr).	1.00	Nr		
2J/07	Supply and installation of close couple water closet with " P " or "S" trap ,duel flush complete with flexible connection , angle valves to the working order .(Prime cost of water closet with fittings -Rs75,000/= per nr)	1.00	Nr		
2J/08	Supply and Installation of Chromium plated 20mm dia bib tap Thailand or Malaysians equivalent make .(Prime cost of bib tap with fittings -Rs 4,800/= per No)	2.00	Nr		
2J/09	Supply and installation of bidet shower in a reputed manufacture .(Prime cost of bidet shower with fittings -Rs 7,500/= per nr) .	2.00	Nr		
2J/10	Supply and installation of 100mm dia stainless steel shower rose in approved make.(Prime cost of stainless steel shower rose with fittings -Rs 7,500/= per nr) .	1.00	Nr		
2J/11	Supply and installation of stainless steel towel holder in approved make.(Prime cost of stainless steel towel holder with fittings -Rs6,500/= per nr) .	2.00	Nr		

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Item No	Description	Qty.	Unit	Rate	Amount
2J/12	Supply and installation of stainless steel coat hooks in approved make .(Prime cost of stainless steel coat hooks with fittings -Rs 2,500/= per nr) .	2.00	Nr		
2J/13	Supply and installation of stainless steel soap tray in approved make.(Prime cost of stainless steel soap tray steel with fittings -Rs 2,500/= per nr) .	2.00	Nr		
2J/14	Allow for mirror 450mm dia.(Prime cost of mirror -Rs 6,000/= per nr) .	1.00	Nr		
2J/15	Supply and fix 20mm dia garden tap .(Prime cost of garden tap fittings -Rs 2,500/= per nr) .	2.00	Nr		
2J/16	Supply and installation of 20mm dia concealed valve in a reputed manufacture .(Prime cost of concealed valve 5,000/= per nr)	2.00	Nr		
	Rate for all pipes shall include for necessary pipe fittings such as bends ,tees "Y" junctions reducers inspections openings , stop ends etc , as required .				
	Rates for pipes shall include for fixing along the wall or burying in ground to required gradient .In case of buried in ground the pipes to be encased with concrete .				
	<u>All pipes shall be U.P.V.C type 1000</u>				
2J/17	20mm dia U.P.V.C types.	5.00	Lm		
2J/18	25mm dia U.P.V.C types.	12.50	Lm		
2J/19	32mm dia U.P.V.C pipes from meter to over head tank.	25.00	Lm		

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>Gate Valves</u> All valves shall European makes all valves shall be good quality or approved equivalent and samples should be approved by the Engineer before installation. Rate shall include for all necessary specials and fixing in position.				
2J/20	25mm dia gate valves (Prime cost of 25mm dia gate valves with fittings -Rs3,500/= per No) .	2.00	Nr		
2J/21	32mm dia gate valves (Prime cost of 32mm dia gate valves -Rs 5,000/= per No) .	1.00	Nr		
2J/22	32mm dia ball valve (Prime cost of 32mm dia ball valve.-Rs 6,500/= per No) .	1.00	Nr		
2J/23	32mm dia non return valve(Prime cost of 32mm dia non return valve -Rs 7,000/= per No) .	1.00	Nr		
2J/24	Supply and install plastishell 2000 Ltrs.Water tank over the concrete toilet roof slab (measured separately)	1.00	Nr		
TOTAL FOR PLUMBING WORK CARRIED TO BILL NO -02 SUMMARY				Rs	
2K	<u>DRAINAGE WORK</u> Rate shall include for all ground piping and shall include for pipe supports, saddles, clips , screeds, nails fixing and jointing materials , cutting holes chasing in brick and concrete etc and making good the same in all trades , and under ground piping all necessary excavation and back filling ,concrete bedding, and haunching disposal of surplus material as directed.	Note			
2K/01	150mm x 150mm x 125mm deep injection moulded PVC floor trap (catch pit) with stainless steel grating on top and set in concrete and connected to waste water lines.	2.00	Nr		

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>Waste Water Disposal System & Sewerage Disposal System / Storm Water System</u>				
2K/02	Manhole 450mm x 450mmx550mm deep internally including excavation ,backfilling 150mm thick cement 1:2:4 (20mm) in base slab with necessary reinforcement forming channel & benching in similar concrete 112.5mm thick brick wall , 1:3 cement and sand plastering 20mm thick to channels & benching. Rate shall include for 100mm thick removable precast cover slab.	2.00	Nr		
	<u>Waste & sewerage pipes</u> Rates for pipes shall include for fixing along the wall or burying in ground to required gradient .In case of buried in ground the pipes to be encased with concrete .				
	<u>Waste pipe(Type 600)</u>				
2K/03	40mm dia U.P.V.C type 600 pipes .	10.00	Lm		
2K/04	63mm dia U.P.V.C type 600 pipes .	15.00	Lm		
	<u>Sewerage pipe (Type 600)</u>				
2K/05	110mm dia U.P.V.C type 600	6.00	Lm		
	<u>Storm water pipes (Type 600)</u>				
2K/06	110mm dia U.P.V.C type 600 pipes	35.00	Lm		
2K/07	Supply and laying 300mm dia RCC precast hume pipe .Rate to include excavation,earth filling, hume pipe jointing,2" thick 1:3:6(20mm) lean concrete with hunching .	35.00	Lm		

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Item No	Description	Qty.	Unit	Rate	Amount
2K/08	<u>Builders work</u> Waste water trap gully internal size 225mm x 225mmx300mm deep in concrete floor including 125mm thick concrete screed (1:3) rendering to all exposed surfaces and finished smooth with neat cement float. Rate to include for necessary earthwork, grouting , steel grating etc.	2.00	Nr		
2K/09	<u>Storm water gulley</u> Rain water gulleys, size 450mmx450x450mm deep approximately (internally) with a100mm concrete base 112.5mm thick brick side walls , cement rendered interior finished smooth with cement floating , forming channels , hunching and benching ,100mm thick reinforced concrete precast removable sealed cover slab.	2.00	Nr		
2K/10	<u>Septic tank with soakage pit</u> 1800mmx900mmx1650mm(internal) septic tank with1200mmx900mmx1650mm(internal)attached soakage pit as shown in drawing.The septic tank base to be in150mm thick concrete 1:2:4(25mm) r/f with 10mm dia. Tor bars at 200mm crs. both ways.225mm brick work in cement 1:5. 75mm thick R.C.C. cover slab reinforced as shown in drawing including cement rendering 1:3 finished smooth. 225mmx225mm R.C.C. ring beam under soakage pit, 2Nos.100mm dia. G.S.W. tees and 10mm thick cement rendering 1:3 with 5% pudlo to all internal surfaces of septic tank finished smooth. Rate to include for excavation, back filling and disposing surplus earth as directed.	1.00	Nr		
2K/11	<u>Waste water soakage pit</u> 1200mm dia (internal) waste water soakage pit. The pit circular wall to be built in 225mmbrick work in cement with 1:5 alternate open joints as directed. rate to include125mm thick concrete cover slab 1:2:4 (20mm)r/f with 12mm dia tor bars at 150mm crs. both ways, and 16mm thick cement rendering 1:3 finish smooth. provide for 225mmx225mm concrete 1:2:4 (20mm) rebated pad to accommodate the cover.	1.00	Nr		
TOTAL FOR DRAINAGE WORK CARRIED TO BILL NO -02 SUMMARY				Rs	

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Item No	Description	Qty.	Unit	Rate	Amount
2L	<u>FLOOR WALL AND CEILING FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>Ceramic Floor Tiling</u>				
	<u>Floor Tiles</u>				
2L/01	Supply and laying of Homogeneous good quality non slip ceramic floor tiles laid on tile adhesives of approved quality and design to wash rooms .Rate to include 16mm thick cement and sand mix screed 1:3 to floor before laying tiles and dressing grooves with coloured cement slurry after fixing tiles in ground floor(Store room ,Sales office) as directed.(Prime cost of Rs 2200 /= per tile, size 600mmx 600mm)	16.30	m ²		
2L/02	- Ditto - in upper floor.(Prime cost of Rs2200/= per tile, size 600mmx600mm)	33.45	m ²		
2L/03	- Ditto - in ground floor toilet .(Prime cost of Rs2200 /= per tile, size 600mmx 600mm)	2.95	m ²		
2L/04	- Ditto - in upper floor toilet .(Prime cost of Rs2200 /= per tile, size 600mmx 600mm)	6.45	m ²		
2L/05	- Ditto - in staircase .(Prime cost of Rs1250 /= per tile, size 600mmx 450mm)	10.20	m ²		
	<u>WALL FINISHES</u>				
	<u>External wall finishes</u>				
2L/06	16mm thick cement and sand 1:3 plinth plaster finished smooth with colour neat cement slurry.	13.00	m ²		
2L/07	Cement and sand 1:5 plaster 16mm thick finished semi rough with wooden float to walls from ground floor to roof floor level.	51.00	m ²		
2L/08	Cement and sand 1:5 plaster 16mm thick finished semi rough with wooden float to walls from upper floor to roof level.	125.00	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>Internal Wall Finishes</u>				
2L/09	16mm thick cement sand 1:5 plaster finished smooth with lime putty to internal walls from ground floor to roof level.	49.65	m ²		
2L/10	16mm thick cement sand 1:5 plaster finished smooth with lime putty to internal walls from upper floor to roof level.	110.00	m ²		
	<u>Skirting</u>				
2L/11	Ceramic tile skirting laid on cement and sand 1:2 screed in ground floor.	25.00	Lm		
2L/12	- Ditto - Upper floor	45.00	Lm		
	<u>Wall Tiles</u>				
2L/13	Glazed ceramic wall tiles of approved colour and manufacture lining to walls up to a height of 1500mm laid on tile adhesives. Rate to include 16mm thick cement and sand screed and the joints pointed in colour cement to match with the colour of tiles in ground floor toilet (Prime cost of tiles Rs 1100 /= per tile size, 300mmx 600mm).	9.00	m ²		
2L/14	- Ditto - Upper floor	13.60	m ²		
	<u>Ceiling Finishes</u>				
2L/15	16mm thick plaster in cement and sand 1:3 to minimum thickness finished smooth with lime putty to soffit of upper floor slab.	44.00	m ²		
2L/16	- Ditto - to side and soffit of beam .	14.90	m ²		
2L/17	- Ditto - to side and soffit of staircase .	13.70	m ²		
2L/18	16mm thick plaster in cement and sand 1:3 to minimum thickness finished smooth with lime putty to soffit of water tank slab.	17.00	m ²		
2L/19	- Ditto - to side and soffit of beam .	6.40	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
TOTAL FOR FLOOR ,WALL,CEILING WORK CARRIED TO BILL NO -02 SUMMARY				Rs	
2M	<u>PAINTING AND DECORATION</u>				
	<u>External Painting</u>				
2M/01	Prepare and apply two coats of approved colour and quality paint to plinth	13.00	m ²		
2M/02	Prepare surface and apply one coat of primer and two coats of whether shield paint of approved colour and quality to external walls ground floor.Including door and window reveals in building.	51.00	m ²		
2M/03	- Ditto - Upper floor	125.00	m ²		
	<u>Internal Painting</u>				
	<u>Prepare and apply two coats of emulsion paint with two coats of base coats of acrylic filler of approved manufacture and colour to approval to the following.Including door and window reveals in building. wall finish shall be smooth.</u>				
2M/03	Walls in ground floor .	49.65	m ²		
2M/04	- Ditto - Walls in upper floor .	120.00	m ²		
2M/05	Sides and soffit of upper floor slab .	46.00	m ²		
2M/06	Side and soffit of beams at upper floor level .	14.90	m ²		
2M/07	Side and soffit of staircase including landing slab from ground floor to upper floor level .	13.70	m ²		
2M/08	Sides and soffit of water tank slab .	17.00	m ²		
2M/09	Sides and soffit of beams at water tank slab level.	6.40	m ²		
TOTAL FOR PAINTING WORK CARRIED TO BILL NO -02 SUMMARY				Rs	

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Item	Description	Unit	Qty	Rate	Amount
2N	<u>ELECTRICAL INSTALLATION</u> <u>Note</u> Electrical line diagram given are typical, changers may require in carrying out actual work. Contractor shall prepare the correct line diagram based on this typical balancing phase drawing work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000) The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations All Switches and Socket outlets shall be plated type make "Clipsal, Orange, ACL " or any other approval equivalent complying to SLS 1000:1993 for switches & SLS 1998:1991 for Socket outlets PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216 All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs All MCBs, RCCBs shall come with minimum of 10 years of warranty period. All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period				
2N/01	<u>Supply , install and wire the following Main Distribution Board (MDB)</u> TP & N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, live bus bars, 6 nos pilot lamps (R,Y,B) insulated for CEB & Gen sides, comb busbar and incorporating din rail type, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD)				
	<u>Incoming Circuit Breakers</u> 01 Nos. 32A, 4P MCCB (18kA fault level)				

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Item	Description	Unit	Qty	Rate	Amount
	02 No. 32A, 4P MCCB Automatic mains failure (AMF) and automatic load transfer switch (ATS) switchgear with Mechncial & Electrical Interlock for automatic transfer of load from CEB supply to Diesel Generator and vice versa All control circuits, control cables, contractors, relays etc. shall be included <u>Outgoing Circuit Breakers</u> 01 Nos. 32A, 4P MCCB (18kA fault level) 01 No. 40A, 4P RCCB 300mA sensitivity 01 No. 2P 32 A MCB Type C 01 No. 4P 25A MCB Type C 01 No. 4P 20A MCB Type C	Nr	1		
2N/02	<u>Supply , install and wire the following Distribution Board (DB1)-Building & Canopy</u> SP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamp (R/Y/B) Indicator bulb) with protection 1No 32A 2pole MCB, 10KA, Type C 01 No. 40A, 2-Pole RCCB 30mA 05 No. 6A 1-Pole MCB 10kA 02 No. 10A 1-Pole MCB 10kA 02 No.16A 1-Pole MCB 10kA	Nr	1		
2N/03	<u>Supply , install and wire the following Distribution Board (DB2)-Fuel Terminal Pumps</u> <u>Supply , install and wire the following Distribution Board (DB3)-Fuel Terminal Pumps</u> TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamps (R,Y,B Indicator bulbs) with protection				
	01 No. 25A 4-pole MCB Type C 03 No. 20A, 2-pole MCB 10kA 06 No. 16A 2-Pole MCB typC				

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

B O Q NO - 2026/BALA'GODA/15/ 01

Item	Description	Unit	Qty	Rate	Amount
	03 No. 20A, 2-Pole RCCB 100mA	Nr	1		
	<u>Point wiring including switches (Luminaries measured separately)</u>				
2N/04	Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits	Nr	29		
2N/05	Logo point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC + 2.5mm ² CU/PVC earth Cable in concealed PVC conduits	Nr	1		
2N/06	Ceiling fan points wire through regulator & 10Amp sunk switch using 2x1Cx1.0mm ² Cu/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduits	Nr	2		
2N/07	LED Strip Light point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits	Nr	4		
2N/08	Two Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits	Nr	1		
	<u>Supply Install & wire the following</u>				
2N/09	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 5 number fo socket outlets) Socket outlets are included	Nr	1		

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

B O Q NO - 2026/BALA'GODA/15/ 01

Item	Description	Unit	Qty	Rate	Amount
2N/10	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 3 number fo socket outlets) Socket outlets are included	Nr	1		
2N/11	Yard light point wired from 20 A double pole indicator switch using 2C x 1 x 1.5mm ² Cu/PVC /SWA/PVC copper cable installed minium 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and backfilling.Allow for a G.I conduit where the cable has to go through a concrete				
	(a) . 20A double pole indicator switch	Nr	3		
	(b) . For the wiring	m	90		
2N/12	Supply for signage tower wire from double using 2C x 1 x 1.5mm ² Cu/PVC/SWA/PVC installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armored cable shall be properly connect with the eath.</u>				
	(a) . 20A double pole indicator switch	Nr	1		
	(b) . For the wiring	m	16		
2N/13	Supply for air tower wire 2CX1x1.5 mm ² CU/PVC/SWA/PVC to a weather proof outlet using necessary sunk boxes etc. to a suitable point near air tower installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete <u>Armoured cable shall be properly connect with the earth.</u>				

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

B O Q NO - 2026/BALA'GODA/15/ 01

Item	Description	Unit	Qty	Rate	Amount
2N/14	(a) . 10A one gang one way switch with weather proof cover (IP65)	Nr	1		
	(b) . For the wiring	m	13		
	Air compressor wired through a 20A 4pole MCB, 10kA in the DB1 using 4Cx4mm2 Cu/PVC/PVC +4mm2 CU/PVC earth wire in PVC conduit				
	(a) . 20A 4 pole MCB Type C+20A 4 Pole RCCB 100mA in Transparent polycarbonate enclosure	Nr	1		
2N/15	(b) . For the wiring	m	10		
	Supply for LAD Pump light bulb wire using 2C x 1 x 1.5mm2 Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly connect with the earth.</u>				
	(a) . 10A one gang one way switch with weather proof cover (IP65)	Nr	1		
	(b) . For the wiring	m	30		
2N/16	<u>Supply, install and connect for fuel pump terminals</u> 2Cx 1 x 2.5mm2 CU/PVC/SWA/PVC underground cable installed minimum 2ft below the finished floor level and terminated to a petroleum resistive terminal. Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly with the earth.</u> <u>Light Fittings</u>	m	140		

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

B O Q NO - 2026/BALA'GODA/15/ 01

Item	Description	Unit	Qty	Rate	Amount
	Supply and installation of following light fittings. Light fitting shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to the installation. All LED bulbs shall carry minimum of 2 years warranty warranty cards shall be handed over once the installation is completed				
2N/17	100W LED High Bay Light fitting, IP65, water proof, 180-250VAC operating voltage, 50hZ, Power factor more than 0.9, Colour 6500K, CRI shall be more than 80, with Aluminium cover & required accessories such as stell rod to bolt/weld the light fitting to the roof steel purlin. Further, a safety stainless steel rope/chain shall be fixed to the light fitting via the roof steel purlin to avoid fitting faaling down.(Prime cost of 100W High Bay lamp fitting with similar specification is Rs.10,500/-)	Nr	12		
2N/18	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQURE TYPE) for sales office, rest room, electrical generator room, store room	Nr	7		
2N/19	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	Nr	3		
2N/20	Supply and installation of sofit mount lamp fitting comprising, 12W LED lamp of square type (day light) and all other accessories required for toilet, bathroom	Nr	2		
2N/21	Supply & installation Weather Proof pendant lamp fitting with 15W LED daylight bulb for LAD pump terminal	Nr	1		

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

B O Q NO - 2026/BALA'GODA/15/ 01

Item	Description	Unit	Qty	Rate	Amount
2N/22	Supply and installation of ceiling recessed round shape lamp fitting comprising, 11W LED lamp of square type (day light) and all other accessories required for lobby area	Nr	4		
2N/23	Weather proof (IP 65) bulk head light fitting with 15W LED daylight for outside of the main building	Nr	4		
	<u>FANS</u>				
2N/24	Supply & installation of 56" sweep ceiling fan (European/Japanese make), minimum 165 CMM, complete with regulator, fan hook, extension rod & attachment - Guarantee cards should be provided from accredited agent. Note: Ceiling fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards to be submitted before the installation.	Nr	2		
2N/25	Supply and install LED strip light (3 rows) water proof (IP65), colour Red around the fascia (approximate length 60m) as per the drawing CEYPET / ENG / SK/ 0365-A. LED strip light shall have minimum 2 years warranty period <u>Supply, install and Wire Following Earth Electrode</u>	Nr	1		
2N/26	provide an earth electrode using 16 diameter 4 m length Cu rod and copper earth 6mm ² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 05 Ohms.	Item	1		

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

B O Q NO - 2026/BALA'GODA/15/ 01

Item	Description	Unit	Qty	Rate	Amount
2N/27	provide an earth electrode using 50 diameter GI pipe and copper earth 6mm ² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms.(For Unloading Point)	Item	1		
	<u>Supply , Connect and install the Following Cables</u>				
2N/28	1x4Cx6 mm ² CU/PVC/SWA/ /PVC Cable from CEB Meter to MDB in buried under the soil of 450mm depth. Sand bed of 150mm from the trench bottom and warning tape to be laid top of the sand bed and 300mm top layer with compacted soil. If the cable crosses a drain suitable GI conduit to be layed	m	52		
2N/29	2Cx6 mm ² CU/PVC/SWA/ /PVC +6mm ² Cu/PVC Earth cable Cable from MDB to DB1 in buried under the soil of 450mm depth. Sand bed of 150mm from the trench bottom and warning tape to be laid top of the sand bed and 300mm top layer with compacted soil.	m	45		
2N/30	1x4Cx4mm ² CU/PVC /PVC cable & 1 x 4mm ² copper earth cable from MDB to DB2 in PVC conduit	m	8		
2N/31	1x4Cx10mm ² CU/PVC/PVC cable from Generator to MDB	m	10		
2N/32	<u>GI Pipe to fix LED street light</u> Supply and install yard light pole in 75mm dia. Medium duty G.I. pipe 6m above the ground level to fix the LED street light fitting	Nr	3		
	<u>Inspection & Testing</u>				

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

B O Q NO - 2026/BALA'GODA/15/ 01

Item	Description	Unit	Qty	Rate	Amount
2N/33	Testing the entire installation and rectify any defects and submit a certificate by a chartered electrical engineer for electrical installation	Item	1		
ELECTRICAL INSTALLATION TOTAL CARRIED TO SUMMARY				Rs	

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.
CEYLON PETROLEUM CORPORATION**

SALES BUILDING

B O Q NO - 2026/BALA'GODA/15/ 01

SUMMARY

BILL NO 02 - BUILDING WORKS .

2A	DEMOLISHING WORK	Rs
2B	EXCAVATION AND EARTH WORK	Rs
2C	CONCRETE WORK	Rs
2D	MASONRY WORK	Rs
2E	ASPHALT WORK	Rs
2F	METAL WORK	Rs
2G	CARPENTRY & JOINERY WORK	Rs
2H	ZINC ALUMINIUM ROOFING	Rs
2J	PLUMBING INSTALLATION	Rs
2K	DRAINAGE WORK	Rs
2L	FLOOR WALL & CEILING FINISHES FINISHES	Rs
2M	PAINTING DECORATION WORK	Rs
2N	ELECTRICAL INSTALLATION	Rs.
TOTAL CARRIED TO MAIN SUMMARY		Rs. <u> </u>

.....
Date

.....
Signature of Tenderer

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.**

CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty	Unit	Rate	Amount
	<u>BILL NO - 03 - MAIN CANOPY</u>				
3A	<u>EXCAVATION AND EARTH WORK</u>				
	<u>Excavation</u>				
3A/01	Excavation not exceeding 1500mm commencing from reduced level and including levelling and ramming bottom,part return and remove surplus excavated material as directed for canopy column and foundations	18.00	m ³		
	<u>Earth filling</u>				
3A/02	Supply fill and compact imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated .	9.50	m ³		
	<u>CONCRETE WORK</u>				
	<u>Concrete .</u>				
	<u>Upto ground floor level</u>				
	<u>Plain Concrete - Grade 15.</u>				
3A/03	Lean cement concrete 1:3:6(25mm) 75mm thick layer under canopy column footings.	10.00	m ²		
	<u>Reinforced cement concrete Grade 25, (1: 1 1/2 :3) to the following</u>				
3A/04	Column footings	2.25	m ³		
3A/05	Column shaft	1.00	m ³		
	<u>Ground floor level to roof level</u>				
	<u>Reinforced cement concrete Grade 25, (1: 1 1/2 :3) to the following</u>				
3A/06	Column shaft	4.00	m ³		
	<u>FORM WORK</u>				
	<u>Up to ground level</u>				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.**

CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty	Unit	Rate	Amount
3A/07	Form work to sides of column footings.	7.00	m ²		
3A/08	Form work to sides of column shaft .	9.25	m ²		
	<u>Ground floor level to roof level</u>				
3A/09	Form work to sides of column shaft .	35.80	m ²		
	<u>REINFORCEMENT</u>				
	<u>Upto ground level</u>				
3A/10	Reinforcement steel to column footings. Y12mm	120.00	Kg		
3A/11	Reinforcement steel to column shaft. Y16mm	165.00	Kg		
3A/12	R-6mm	35.00	Kg		
	<u>Ground floor level to roof level</u>				
3A/13	Reinforcement steel to column shaft. Y16mm	350.00	Kg		
	R-6mm	95.00	Kg		
	<u>CONSTRUCTION OF CANOPY PUMP ISLAND.</u>				
3A/14	Construct pump bed (600mm wide and 250mm high) with 100mm block or brick walls filled with river sand and 75mm thick 1:3:6 (25mm) concrete on top, finished with matt black ceramic tiles top, edges to be finished smooth & rounded as shown in drg. Rate to include 20mm thick 1:3 mix cement sand rendering base as directed.	9.00	m		
	<u>STRUCTURAL STEEL AND ROOFING WORK</u>				
	Paint Coatings used should be one coat of anticorrosive and two coats of enamel paint of approved quality for steel on well prepared surface.				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.**

CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2026/BALA'GODA/15/01

Item No	Description	Qty	Unit	Rate	Amount
	Paint Coatings used should be one coat of primer and two coats of enamel paint of approved quality for GI on well prepared surface.				
3A/15	Supply and fix 200mmx133mm(25kg/m) Universal beam including necessary connection (welding /bolting)with cleats to concrete column with plate and bolts as shown in drg. No.- CEYPET '/ENG/066.	30.00	m		
3A/16	Supply and fix 150x65x2.3mm Galvernized 'C' channel including necessary cleats and conection (welding /bolting) to "C" channel as shown in Drg No - CEYPET/ENG/0066 including sag correction rods.	160.00	m		
3A/17	Supply and fixing 50 x 25 x 2mm galvenized box bar sections in 'fascia fabrication as shown in drawing No - 'CEYPET/ENG/0066.	180.00	m		
3A/18	Supply and fixing 12mm thick 400mmx400mm base plate on top of column .	4.00	Nr		
3A/19	16mm Dia. bolt 200mm long threaded one end and the other bend for anchorage length 1350mm.	32.00	Nr		
3A/20	Zinc Aluminium Colour bonded AZ -150 roofing sheets of approved profile and (not less than 0.47mm total coated thickness) approved quality and colour on steel frame work as shown in drawing (frame work measured seperatly).Rate to include colour bonded roof flashing and sheets with same thick material and sheet ridge etc.(including sales bulding roof.)	179.00	m ²		
3A/21	Colour Bonded AZ 150 Zinc Aluminium gutter (300mmx225mm) with a coated thicknes of 0.47 mm fixed with 2mm thick G I fixing clips at 600mm centers. all as per and detail drawing in roof . Rate shall include for all necessary specials ,running heads with down spouts.(Down pipes measured seperatly)	12.50	m		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.**

CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2026/BALA'GODA/15/01

Item No	Description	Qty	Unit	Rate	Amount
3A/22	Colour bonded AZ 150 Zinc aluminium down pipe 125mm x125mm square type with a coated thickness of 0.47mm complete with specials and connection to gutters.	18.00	m		
3A/23	<u>Flashing</u> Supply and fixing Zinc Aluminium 0.47mm thick flashing .The sheet to be embedded to wall by 50mm atleast at the minimum width to be 1000mm .Wall and sheet conection to be sealed with clear sealant	50.00	m ²		
3A/24	<u>COMPOSITE CLADDING</u> Aluminium white colour (Code RAL - 9003)Composite sheets fascia (4mm thick one hour fire rated)of approved quality and colour on G.I frame work as per fixing details in drawing to engineer's approval.(Frame work measured seperately). Rate to include supply, install 200mm high red colour composit cladding strips around the (Code RAL 3000) composit cladding fascia,as per detailed drawing No CEYPET/ENG/SK/0365B.	54.00	m ²		
3A/25	Approved 4mm thick 1 Hr fire rated aluminium composite panel, alpolic or similar material including necessary 100x20x2mm and 60x30x2mm galvanized "C" channel frame work to details and approval around columns .	48.00	m ²		
	<u>METAL WORK</u> Supply and fabricating of 50mm dia G.I pump guards as per sketch no CEYPETCO/ENG/SK/ 0060				
3A/26	Size - 1800mm x 900mm pump guards	8.00	Nr		
3A/27	Size - 900mm x 900mm pump guards	8.00	Nr		
3A/28	Supply , fabricate & installation of 900mm dia 75mm logo 75mm wide circular frame & figure with 3 mm white Perspex sheet completed with colour stickers & light fittings, as per detailed drawing No CEYPET / ENG/ SK/0365 -B	Item	Item		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.**

CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty	Unit	Rate	Amount
3A/29	Supply , fabricate & installation of 400mm high red colour perspex sheet Boxed type letters "CEYPETCO" finished with 75mm thick embossed , as per detail drawing No CEYPET / ENG/ SK/0365 -B Rate to include for Supply and fix LED lighting system to letters,(15W per letter) complete with drivers and wiring of LED lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits. . All LED lights shall carry a minimum two-year warranty.	Item	Item		
3A/30	Supply ,fabricate and install double side light box of (Size 1200mmx150mmx400mm).Asper the sketch No Ceypet/0437 with 18Watt water proof LED light inside.	1.00	Nr		
3A/31	Lockable drawer unit intergrated into cladded column finished with matching cladding material .Designed as a temporary cash storage facility.Drawer fitted with smooth sliding rails ,secure locking mechanism as per the sketch No Ceypet /0437.	1.00	Nr		
3A/32	Provisional sum for any unforeseen work during construction	1.00	PS	1,000,000.00	1,000,000.00
TOTAL CARRIED TO BILL NO -03 MAIN SUMMARY				Rs.	

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty	Unit	Rate	Amount
4A	<u>BILL NO - 04 - DRIVE WAY & MISCELLANEOUS WORKS</u>				
	<u>Yard Work</u>				
	<u>Earth filling</u>				
4A/01	Supply fill and compact imported ,soil in layers not exceeding 150mm at any time watered well rammed and consolidated .	195	m ³		
4A/02	Supply spread and compacted to approved density graded aggregate base course (ABC)using 37.5mm aggregate .	65	m ³		
4A/03	Selected excavated material fill in layers not exceeding 150mm thick (compacted volume) and well consolidated to receive ground level.	50	m ³		
4A/04	Supply and lay buffalo grass turfing .	25	m ²		
4A/05	Cutting and demolishing of existing 150mm thick asphalted surface in driway .Rate shall include for debris carted away from site .	10	m ²		
4A/06	Cutting and demolishing of existing 150mm thick RCC surface in driway .Rate shall include for debris carted away from site .	10	m ²		
	<u>Paving Blocks</u>				
	<u>Interlock paving</u>				
	<u>Note</u>				
	Paving blocks used should have at least compressive strength equivalent to Grade 30 concrete.(Test report to be submitted) Size of the paving stone should be 220mmx110 mm and height 80 mm or as directed				

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty	Unit	Rate	Amount
4A/07	Paving stone should be placed on 50mm (min.) sand bedding on the well compact soil to the specified slope. Edges of the paving should be finished with mass concrete equivalent to paving stone strength. Rate to include surface shall be backfilled with soil up to 225mm and leveled . Supply and laying of interlock paving stones. (Refer specifications) <u>Miscellaneous Work</u> <u>Note:-</u> Water proofing should be done according to the following specifications. a)Interface including fuel tank -concrete wall, brick wall- concrete slab ,steel pipe and brick wall ,concrete slab should be waterproofed by using a sodium bennite based expanding joint water stag. b) External brick wall -steel pipe joint phase should be waterproofed by using an elastomeric joint sealant. c)All the external surfaces should be waterproofed by applying cementitious type water proofing material.	515	m ²		
4A/08	Demolishing of existing R/F concrete driveway .Rate shall include for debris carted away from site .	3.0	m ³		

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty	Unit	Rate	Amount
4A/09	Modification to existing under ground tank manholes to suit the raised driveway to modify with concrete /steel 2' 0" diameter 10mm thick steel cover as given in sketch No CEPET/ENG/0287 attached. Rate to include smooth plaster , water proofing , internal walls, to insure that there are no water leakage . Water proofing to be given to reputed agent as company with 5 years guarantee . <u>Fuel dispensing pipe lines</u> Excavation of trenches for fuel dispensing pipelines as shown in drawings. Some pipelines will cross the existing rainwater drain of about 400 mm wide(belonging to UDA) with concrete side walls running through LFS land. Rate shall include all necessary works for safe drilling through concrete walls to pass the pipeline and enclosing the pipeline in a protective sleeve. Pipe laying is measured separately under another BOQ item	3.0	Nr		
4A/10	Excavation of trenches for pipes (Approx. Dia. 50mm -75mm) lines from under ground tank to dispensing pump. Rate to include 300mm wide 450mm deep trench excavation and back filling with river sand and compacted to approval . <u>Note</u> <u>Following item to be done specially with CPC close supervision and approval.</u>	24.0	m ³		

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty	Unit	Rate	Amount
4A/11	Supply and laying of 40mm(1 1/2") Dia GI heavy duty fuel pipe lines in drive way between tank and dispenser pump .Rate to include all pipes fittings and accessories.	90.0	m		
4A/12	Supply and laying of 40mm (1 1/2") Dia GI heavy duty pipe for vent lines in above ground and connect to the fuel tanks.(Including apply one coat of primer and two coats of enamel paint to CPC approved colours.Rate to include all pipes fittings and accessories.	95.0	m		
4A/13	- Ditto - for 75mm dia GI pipe un loading point .Rate to include all pipes fittings and accessories.(If necessary)	80.0	m		
4A/14	Supply and fixing of G.I tank top valves .	10.0	Nr		
	<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>				
	a). Base for signage shall be 5'-0" x4'-0"x4'-0" deep grade 25 concrete, reinforced with 16mm and 12mm tor steel, with 20mm thread bars to fix the body using galvanized nuts & bolts. Body should be fixed using 20mm thick mild steel plates (size varies according to the size of base) The plates should be concealed.				
	b). Double sided signage will have a 4" "U" channels fixed to both sides of the pylon reinforced with 1"x2" square tubes (2Nos. On each side) to mount the cladding and with 2"x2"x6mm angle iron horizontal bracings at 18" intervals on both sides of the structure with an additional 1"x6mm thick mild steel flat iron, bent to required shape to hold the cladding.				
					84

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty	Unit	Rate	Amount
	c). 4'-0" diameter circular pylon head structure (logo supporting structure) to be manufactured with 1 1/2" x 3/8" thick flat iron circles (2 Nos) braced at 8 points around the flat iron with same size flat iron. This structure will be fixed to the pylon structure via a 4" diameter G.I. hollow pipe, (Heavy duty)spray painted fixed with nuts and bolts. The entire steel frame structure to be hot dipped galvanized. d). No drilling or welding to be carried out after galvanizing process is completed. e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work. f). All illuminated sections of the pylon to be (Company logo) fabricated using 3mm acrylic (perspex) sheets with the embossed figure at the center and wording at edges as specified from the same material. g). The Signage should be provided with adequate lighting by use of 3Nos 18w 2'-0" florescent lights (European make with 2 Year warranty) wired separately from the bottom to top through conduits. External illumination should be provided with 2 Nos Assymetrical type flood lamps with 250w mercury vapour lamp (1P 65) fix to the top of the structure. Wiring to be done with 2 x 1C x 1 mm² cu/ PVC/ wire. with a suitable way to the Engineer's satisfaction with a supportive structure. All materials including conduit (under ground) and wiring from the available supply point (approximately 50m) to be included in the rate.				
	i). Letters to be with PVC luminous stickers on the colour bonded sheets as per the font, letter type, colour and wording given by the CPC				

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING LANKA FILLING STATION BALANGODA.

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Qty	Unit	Rate	Amount
4A/15	j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive. k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation. l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication. m). The successful tender should submit a guarantee for a minimum period of 10 years for anticorrosion of structure stability, and 05 years warranty to the colours of PVC stickers. n). The rate shall include for the transporting handling and all other involvement in the erection signages at outstations. The proposed outstations are attached herewith. Supply ,fabricate and install of 1200mm x 5500mm double sided pylon signage as per specification and detailed drawing	1	Nr		
TOTAL CARRIED TO BILL NO -04 MAIN SUMMARY				Rs-	

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/BALA'GODA/15/01

Item	Description	Qty.	Unit	Rate	Amount
5A	<u>BILL NO - 05 TANK INSTALLATION OF 4NR 3000 GALLOON.</u> <u>UNDER GROUND TANK</u> Note: (a)The contractor shall purchase a new 3,000-gallon tanks from a reputed manufacturer, ensuring compliance with CPC standards and adherence to relevant quality assurance requirements b)It is contractor's responsibility to clean the the inside of the tank after installation. c)Quantities are given for 4 Nr. 3000 gln. tanks. d)" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511 / CEPET/ENG/UG32017. e) Allownce of 2' shall be made for the measurement as working space. <u>Construction sequence for underground tank installation</u> (1)The contractor should strictly follow the below mentioned sequence for construction of RCC tank chamber and installation of the steel tank inside the chamber. (2)Excavation for tank pit (3)Base concrete with approved water proofing admixture (make two water access holes 300mmx300mm at two opposite corners of the base concrete to avoid any upthrust impose). i.e These holes are not to be concreted when the base is concreted.				
	(4)Outer wall concrete with approved water proofing admixture (5)Concrete curing for 21 days.				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/BALA'GODA/15/01

Item	Description	Qty.	Unit	Rate	Amount
	(6) Tank installation (water access holes should be filled with concrete of the same Grade and water proofed a little time before the tank installation)				
	(7) Backfilling with quarry dust the inside bottom part of the camber				
	(8) Backfilling with soil inside and outside of the chamber				
	<u>Tank Pit Excavation</u>				
5A/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	420.0	m ³		
	<u>Sand filling</u>				
5A/02	River sand filling to a height of 1050mm above base concrete slab.	48.0	m ³		
	<u>Excess Earth</u>				
5A/03	To transport excavated excess earth away from site to a location by the contractor .	260.0	m ³		
	<u>Hard earth filling</u>				
5A/04	Approved selected dry earth filling(above sand filling) spread in layers not exceeding 150mm at anytime, watered well rammed & consolidated.	100.0	m ³		
	<u>ABC Laying</u>				
5A/05	Supply , filling and compacting Aggregate Base Coarse bottom of the pit	50.0	m ³		
	<u>Shoring</u>				
5A/06	Timber shoring 50mm thick including frame work if necessary .	300.0	m ²		
	<u>Dewatering</u>				
5A/07	Allow for dewatering under ground water in any area during the period of construction.	4.0	Item		
	<u>Polythene</u>				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/BALA'GODA/15/01

Item	Description	Qty.	Unit	Rate	Amount
5A/08	500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab and top concrete . Rate shall include for upstand to sides and corners not exceeding 150mm in height .	160.00	m ²		
	<u>Concrete work</u>				
5A/09	150mm R.C.C 1:1 1/2:3 (20mm) in tank concrete top slab reinforced with 10mm dia .Tor bars at 150mm centers both ways .Rate to include for water proofing admixtures as aproved by Engineer.(Reinforcement measured separately)	13.00	m ³		
5A/10	150mm R.C.C 1:1 1/2:3(20)in tank concrete base slab reinforced with 10mm dia .Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for water proffing admixtures as aproved by Engineer. (Reinforcement measured separately)	13.00	m ³		
5A/11	150mm R.C.C 1:1 1/2:3(20mm)in tank concrete walls around the tank reinforced with 10mm dia .Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for water proffing admixtures as aproved by Engineer.(Reinforcement measured separately)	32.00	m ³		
	<u>Form work</u>				
5A/12	Form work to sides of walls ,cover slabs,edges for tank pit .	440.0	m ²		
	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>				
5A/13	Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	3200.0	Kg		
	<u>Fabric mesh reinforcement</u>				
5A/14	BRC Mesh type A142 of BS4483 specification, for reinforcement in tank top .(one layer)	80.0	m ²		89

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/BALA'GODA/15/01

Item	Description	Qty.	Unit	Rate	Amount
	<u>Under Ground Fuel Tank Manhole</u> <u>Note:-</u> <u>Water proofing should be done according to the following specifications.</u> a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant . b)All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.)Approved quality concrete admixture can be used for water proofing instead. (c)Water proofing to be given to reputed agent with 5 years guarantee .				
5A/15	Supply,fabricating and installing of (approximatly) 750mmx750mmx900mm deep (internally)under ground fuel tank manhole complete, with 12mm MS plate square manhole cover(Size 825mmx825mm) and frame (128Kg per set) with a total thicknes of walls 225mm by R.C.C 1: 1 1 /2 :3(20mm) and masonry brick side walls including form work and reinforcement,10mm tor steel bars @ 200mm centres bothways and tank top concrete to be reinforced with Y10mm tor steel bars and 6mm MS roads.All concrete and brick surfaces to be applied with epoxy paint(Free Mastic G -316 or equivalent) to side walls.6mm G.I. lifting hooks tied to yard concrete reinforcement and external sides of the brick wall finished smooth with neat cement plaster as per drawing No - CEYPET /ENG/0287	8.0	Nr		
5A/16	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	4.0	Item		90

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LANKA FILLING STATION BALANGODA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/BALA'GODA/15/01

Item	D e s c r i p t i o n	Qty.	Unit	Rate	Amount
5A/17	Installation of tank with necessary straps and bolts as shown in drawing.	4.0	Item		
5A/18	Supply,fabrication,transport and Installation of 3000 gallon under ground fuel tank(As per the CPC standards and attached specifications) with necessary accessories (straps and bolts etc) CPC standard as shown in drawing.Rate to includes tank all handling charges.	4.0	Nr		
TOTAL CARRIED TO BILL NO - 05 MAIN SUMMARY				Rs	

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LANKA FILLING STATION BALANGODA.**

CEYLON PETROLEUM CORPORATION

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
6A	<u>BILL NO - 07 SINGLE CANOPY</u> <u>Notes</u> The rates quoted by the tenderer should include for the followings items. <u>Foundation (03 Nos.):-</u> a Excavation, 450mmx 450mm x 600mm deep 1:3:6 (25mm) concrete base to fix the canopy using 4 Nos of 16mm Ragbolts & 10mm thick MS plate etc as shown in drawing. The plate should be concealed. <u>Roof Work</u> b Canopy roof structure 50mm diameter G.I (Medium duty) Pipe spray painted to manufacturers specifications. as shown in drawing. No-CEYPET/ENG/SK/0021. c Supply & Fixing colour bonded Aluminium roofing sheets on steel frame work which include all neccessay angle iron (25mm x25mmx 3mm) structural frame work as shown in drawing. Rate will also include for applying two coats of anticorrosive paint d Supply & fixing colour bonded (AZ 150) 0.47mm Zinc Aluminium sheets facia of approved quality and colour on frame work as per fixing details in drawing to engineer's approval. e Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing		Note			
			Note			
			Note			
			Note			
			Note			

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.**

CEYLON PETROLEUM CORPORATION

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
f	The single canopy should be provided with adequate lighting by use of 2 nos. fluorescent lights fittings complete with 2' 0" fluorescent bulb complete with diffuser etc.. wired to the inside of the top section through a 5 AMP sunk switch. Wiring should be done with 2x1c x 1.13 PVC insulated copper conductor & 1x1c x 7/0.67 PVC insulated copper earth conductor through 1000g water tight PVC conduit. All materials including conduit (under ground) and wiring from the available supply point (approximately 25m) to be provided.		Note			
g	The successful tenderer should submit a guarantee for a minimum period of 10 years for anticorrosion of structure, stability, material & colour		Note			
h	The rate will include for fabricate, installing single canopy . The proposed locations are given below.		Note			
6A/01	Fabricate, supply & install single canopy as per specification & detail drawing no .CEYPET/ENG/SK/0021.	2.0	Nr			
6A/02	<u>Pump Bed</u> 1800mm long 975mm wide 300mm high pump island in 100mm block or half brick walls filled with river sand and 75mm thick 1:3:6 (1") concrete on top finished with black Ceramic tiles of approved size and design to pump bed rate to include 20mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as shown in drawing no -CEYPET/ENG/SK/0021.	6.00	m			

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.**

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B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
	Supply , fabricating and installing G.I pump guard. Using 63mm Dia G.I (Medium duty)3mm thick pipes fixed to 6mm thick MS plate by (size150mm x150mm)with 4Nos 20mm Dia rag bolts and placed in 1:2:4(3/4") concrete base.(200mmx20mm x 200mm) .Rate to include excavation , form work , and applying two coat of primer and one coat of enamel paint to G.I pipes as per detail drawing No CEYPET/ENG/SK/0060 given below.					
6A/03	Size - 1800mm x 900mm pump guards	2.00	Nr			
6A/04	Size - 900mm x 900mm pump guards	4.00	Nr			
TOTAL CARRIED TO BILL NO -06 MAIN SUMMARY				Rs		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.**

CEYLON PETROLEUM CORPORATION

EXTERNAL WORK

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
	<u>BLL NO - 06 - EXTERNAL WORK</u>					
	<u>Boundary Wall</u>					
	<u>Repair for boundary wall</u>					
7.01	Prepair and apply two coats of weathershield paints with two coats of primer to existing boundary wall plasterd surfaces . Rate to include external surfaces preparation removing existing paint coat (if necessary),existing all the plaster / wall cracks filling with cement slurry/concrete and any damages to be repaired, sanding ,filler, removing and patching existing plaster area .etc. (Approximate 250m2)	Provi. sum	Provi. sum	750,000.00	750,000.00	
TOTAL CARRIED TO BILL NO -07 MAIN SUMMARY				Rs	750,000.00	

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LANKA FILLING STATION BALANGODA.**

CEYLON PETROLEUM CORPORATION

EXTERNAL WORK

B O Q NO - 2026/BALA'GODA/15/ 01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
	<u>BLL NO - 06 - EXTERNAL WORK</u>					
	<u>Boundary Wall</u>					
	<u>Repair for boundary wall</u>					
7.01	Prepair and apply two coats of weathershield paints with two coats of primer to existing boundary wall plasterd surfaces . Rate to include external surfaces preparation removing existing paint coat (if necessary),existing all the plaster / wall cracks filling with cement slurry/concrete and any damages to be repaired, sanding ,filler, removing and patching existing plaster area .etc. (Approximate 250m2)	Provi. sum	Provi. sum	750,000.00	750,000.00	
TOTAL CARRIED TO BILL NO -07 MAIN SUMMARY				Rs	750,000.00	

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/BALA'GODA/15/ 01

MAIN SUMMARY

Bill No - 01	PRELIMINARIES.	Rs.	
Bill No - 02	CONSTRUCTION OF SALES BUILDING.	Rs.	
Bill No -03	CONSTRUCTION OF MAIN CANOPY.	Rs.	
Bill No - 04	DRIVE WAY & MISCELLANEOUS WORK.	Rs.	
Bill No - 05	INSTALLATION OF 4NR'S 3000 GL TANKS .	Rs.	
Bill No - 06	SINGLE CANOPY WORK	Rs.	
Bill No - 07	EXTERNAL WORK .	Rs.	750,000.00
	SUB TOTAL 01	Rs.	
8.00	LESS PROVISIONAL SUM.	Rs.	1,750,000.00
	SUB TOTAL 02	Rs.	
9.00	LESS DISCOUNT (If any)	Rs.	
	SUB TOTAL 03	Rs.	
10.00	LESS CREDIT ON SALVAGE MATERIAL.	Rs.	
	SUB TOTAL 04	Rs.	
11.00	ADD PROVISIONL SUM.	Rs.	1,750,000.00
	TOTAL CARRIED TO FORM OF TENDER	Rs.	
13.00	ADD (2.5% SCCL)	Rs.	
	SUB TOTAL 05	Rs.	
14.00	ADD (18 % VAT)	Rs.	
	TOTAL WITH TAXES	Rs.	

Total amount in words
.....
Name of Tenderer
.....

Address
.....

.....

Date

.....

Signature of Tenderer

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION BALANGODA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/BALA'GODA/15/ 01

MAIN SUMMARY

Bill No - 01	PRELIMINARIES.	Rs.	
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	SUB TOTAL 01	Rs.	
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11.00	ADD PROVISIONL SUM.	Rs.	1,750,000.00
	TOTAL CARRIED TO FORM OF TENDER	Rs.	
13.00	ADD (2.5% SCCL)	Rs.	
	SUB TOTAL 05	Rs.	
14.00	ADD (18 % VAT)	Rs.	
	TOTAL WITH TAXES	Rs.	

Total amount in words
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Name of Tenderer
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Address
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Date

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Signature of Tenderer

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION DENIYAYA.**

CEYLON PETROLEUM CORPORATION

SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
A	<u>BILL NO 01 - PRELIMINARIES</u>				
1A	<u>PRELIMINARIES</u>				
	<u>Bonds & Insurance.</u>				
1A/01	a)Allow lump sum for providing bid security .	Item	Item		
1A/02	Allow lumpsum for providing insurance.	Item	Item		
1A/03	b)Allow lump sum for providing a performance Bond.	Item	Item		
1A/04	c)Allow lump sum for providing an Advance payment guarantee	Item	Item		
	<u>Temporary Buildings.</u>				
1A/05	a)Provide Lump Sum to construct good quality office with good ventilation for Client/Consultant staff(approx 15m ²) and to provide two chairs, one table .	Item	Item		
1A/06	b)Provide Lump Sum to construct water-tight shed, equipment and maintain temporary buildings for protection and storage of materials, plant and workshops.	Item	Item		
1A/07	c)Allow for temporary sanitary accomodation of site for the contractor's staff and workmen .	Item	Item		
1A/08	Provide Lump Sum to construct good quality lockable hut for cash office /store for the filling station staff (approx 24m ²)	Item	Item		

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LANKA FILLING STATION DENIYAYA.**

CEYLON PETROLEUM CORPORATION

SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
1A/09	Provide Lump Sum for erection of temporary site office for contractor with electricity ,water supply waste and drainage facilities. (approx.20m ²)	Item	Item		
1A/10	Allow for supply water for use during construction .It shall be the responsibility of the contractor to find the source of supply and storage facilities and internal arrangement and payment for consumption to authorities .	Item	Item		
1A/11	Allow for supply temporary electricity to the site for the works including obtaining connection internal arrangement and payment for consumption to authorities .	Item	Item		
	<u>Setting out</u>				
1A/12	Provide Lump sum for setting out of the works.	Item	Item		
TOTAL FOR PRELIMINARIES WORK CARRIED BILL NO - 01 TO SUMMARY.				Rs	

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LANKA FILLING STATION DENIYAYA.**

CEYLON PETROLEUM CORPORATION

SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
	<u>BILL NO 02 - BUILDING WORKS .</u>				
2A	<u>DEMOLITIONS</u>				
2A/01	Clearing site, uprooting trees and removal of roots (Illuke, Mana) and growths of every description, removing top soil to an average depth of 150mm to extend of 1200mm away from the proposed boundaries and carting away all excavated material to a place to be provided by the contractor. (Approx. Turffing Area 450m ²)	1.00	Item		
	<u>Demolition.</u>				
2A/02	Demolishing and removing existing structures from the site. (Contractor to give credit on salvaged item).Existing single story sales building(size 23'0" x 13'6"),and including , plastered brick, windows and doors,all existing services such as water supply lines,sewerage lines,electrical installation including fittings septic tank (To remove sludge and back fill to approval),and other structures,and dump site to be arranged by the contractor and rate to be included for handling & transporting demolished materials, as per Engineers instruction etc .	1.00	Item		
	<u>Note -:</u> Contractor to quote a price for removing all salvage item in the given main summary which will consist of all building materials in the building except electrical items, under ground tanks, hoists, pump guards,single canopy roofs,pipe lines,cable etc.				
2A/03	Dismantle pipelines and remove existing 1nr.2000 gal. Under ground tank and manhole. Rate to be included for back filling with approved earth rammed and consolidated to approval.	1.00	Nr		
2A/04	To transport removed 1 nr 2000 gal existing tank from LFS Deniyaya to C.P.C Sapugaskanda (Nylon 6 of CPC). Rate to include all handling charges, loading and unloading etc.	1.00	Item		
TOTAL FOR DEMOLISHING WORK CARRIED TO SUMMARY				Rs	

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CEYLON PETROLEUM CORPORATION

SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
2B	<u>SALES OFFICE BUILDING ,REST ROOM.</u> <u>Container (6000 mm x 2400 mm)</u> <u>Note to Bidders</u> 1) Contractor should visit the location before pricing and contact Engineering and premises function for more details. 2) CPC intends to use a convertaioner as an office at Lanka Filling Station at Deniyaya. 3) The tenderer should take special attention to any difficulties in transporting & placing convertainers in the area. 4) Payments will be made only after placing the convertainers. Any defects, damages during transport, placing etc to be rectified at site after placing at your own cost. <u>Rate to include</u> <u>General Specifications</u> Dimensions of convertainers -6000mm (L)x2400mm (W)2550mm (H) Interior Walls - Ply wood /Composite boards. Floor finishes -Vinyle floor carperts Ceiling finishes -Plywood /Gypsum boards . Floor area - 29m² (for 2 nr Convertainer) Insulation- Inside of all container wall and roof to be fixed with double sided thermal insulation foils.				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION DENIYAYA.**

CEYLON PETROLEUM CORPORATION

SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
	Painting -All internal and external metal surfaces shall free from corrosion and spray painted with appropriate priming coats and with approved auto - colour. <u>Aluminium Doors and Window.</u> <u>All aluminium partition extrusions shall be of AA 6063 powder coated and of approved colour (White colour)Total thickness of 60-80microns.All extrusions and fittings should be "Alumex" or equivalent quality.Detail asper drawing No CEYPETCO /SK/0032</u> Door Type D Size 900mmx2100mm Aluminium framed aluminium louver panneld door fanlight on top. (4nr) Window Type FG 3160mm x2100mm Aluminium fixed glazed window.(1nr) Window Type FG-1 600mm x1600 mm Aluminium fixed glazed panelled window.(1nr) Window Type SW, 1200mm x1600 mm Aluminium framed glazed sliding window.(2nr) Window Type F, 600mm x450mm Aluminium framed glazed fanlight.(2nr) Sockets - 13 Amp switch socket outlet -10No's Telephone Sockets- 1No Data socket outlet 1 No Lighting- LED 11watt soffit mounted lamp. 12 no's Internal Aluminium partition - good quality finished walls.Specify the bidders proposal . Convertainer material-Metallic sheets for walls and roof .				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION DENIYAYA.**

CEYLON PETROLEUM CORPORATION

SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
2B/01	Supply and convert a 6000mm x 2400mm x 2550mm high container to use as an office as per attached sketch No CEYPET / ENG /0640 to the above requirement. The bidder should clearly specify their quality of finishes (Internal and external) and other special features supplied as per their quotation.	2.00	Nr		
2B/02	Approved 4mm thick 1 Hr fire rated aluminium composite panel, alpolic or similar material including necessary 50x20x2mm and 60x30x2mm galvanized " C" channel frame work to details and approval around external wall surfaces .	25.00	m ²		
TOTAL FOR SALES OFFICE BUILDING,REST ROOM WORK CARRIED TO SUMMARY				Rs	
2C/01	<u>EXCAVATION AND EARTH WORK</u> <u>Earth filling</u> Supply and filling imported soil spread in layers not exceeding 150mm at anytime watered well rammed and consolidated.(Container sales office)	25.00	m ³		
TOTAL FOR EXCAVATION AND EARTH WORK CARRIED TO SUMMARY.				Rs	
2D	<u>CONCRETE WORK</u> <u>Upto ground floor level</u> <u>Plain Concrete - Grade 25.</u>				
2D/01	75mm thick 1:3:6(20mm) plain concrete in sales building floor.	29.00	m ²		
	<u>FORM WORK</u> <u>Up to ground level</u>				
2D/02	Form work to sides of sales building ground floor.	5.00	m ²		
	<u>REINFORCEMENT</u>				

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CEYLON PETROLEUM CORPORATION

SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
2D/03	BRC Mesh type A142 of BS4483 specification, for reinforcement in tank top .(one layer)	29.00	m ²		
2D/04	Construction of a reinforced cement concrete (RCC) ramp, 900 mm wide and long , on both sides of the container/cubical office, including excavation, levelling, preparation of sub-base, RCC bed, reinforcement, shuttering, and RCC work as per approved drawings.	2.00	Nr		
TOTAL FOR CONCRETE WORK CARRIED TO SUMMARY.				Rs	
2E	<u>PLUMBING INSTALLATION</u>				
	<u>Note</u> Rates shall include for supply and fixing of sanitary appliances with necessary pipes and fittings and connecting to waste outlets and water supply and commissioning. (make and model of sanitary fittings - Rocell or equivalent).Tap fittings and toilet accessories should be "plumber " or equivalent.				
	<u>Sanitary Fittings and toilet accessories</u>				
2E/01	Wash basin 550mmx 375mm overall (Rocell or equivalent)white /colour with 20mm dia chromium plated pillar tap ,40mm dia rubber plug and chromium plated chain waste brackets in painted iron screwed tapered wooden blocks /rawl plugs buried in wall ,water supply and waste water conection all complete to working order.(Prime cost of wash basin with fittings -Rs 45,000/= per nr)	2.00	Nr		
2E/02	Supply and installation of close couple water closet with " P " or "S" trap ,duel flush complete with flexible connection , angle valves to the working order .(Prime cost of water closet with all fittings -Rs 75,000/= per nr)	2.00	Nr		
2E/03	Supply and installation of upward folding support bar fix to wall.(600mm long)	1.00	Nr		

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B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
2E/04	Supply and installation of stainless steel wall mounted Grab bar (1050mm long).	1.00	Nr		
2E/05	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(600mm long and 750mm high).	1.00	Nr		
2E/06	Supply and Installation of Chromium plated 20mm dia bib tap Thailand or Malaysians equivalent make .(Prime cost of bib tap with fittings -Rs 3,800/= per No) .	2.00	Nr		
2E/07	Supply and installation of bidet shower in a reputed manufacture .(Prime cost of bidet shower with fittings -Rs 6,750.00/= per nr) .	2.00	Nr		
2E/08	Supply and installation of 100mm dia stainless steel shower rose in approved make.(Prime cost of stainless steel shower rose with fittings -Rs 6,500/= per nr) .	2.00	Nr		
2E/09	Supply and installation of stainless steel towel holder in approved make.(Prime cost of stainless steel towel holder with fittings -Rs 8,750/= per nr) .	2.00	Nr		
2E/11	Supply and installation of stainless steel coat hooks in approved make .(Prime cost of stainless steel coat hooks with fittings -Rs 4,500/= per nr) .	2.00	Nr		
2E/12	Supply and installation of stainless steel soap tray in approved make.(Prime cost of stainless steel soap tray steel with fittings -Rs 6,500/= per nr) .	2.00	Nr		
2E/13	Allow for mirror 450mm dia.(Prime cost of mirror -Rs 6,000/= per nr) .	2.00	Nr		
2E/14	Supply and fix 20mm dia garden tap .(Prime cost of garden tap fittings -Rs 3,500/= per nr) .	2.00	Nr		
2E/15	Supply and installation of 20mm dia concealed valve in a reputed manufacture .(Prime cost of concealed valve = 2950/= per nr)	2.00	Nr		

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Item No	Description	Qty.	Unit	Rate	Amount
	Rate for all pipes shall include for necessary pipe fittings such as bends ,tees "Y" junctions reducers inspections openings , stop ends etc , as required .				
	Rates for pipes shall include for fixing along the wall or burying in ground to required gradient .In case of buried in ground the pipes to be encased with concrete .				
	<u>All pipes shall be U.P.V.C type 1000</u>				
2E/16	20mm dia U.P.V.C types.	15.00	m		
2E/17	25mm dia U.P.V.C types.	12.00	m		
2E/18	32mm dia U.P.V.C pipes from meter to over head tank.	25.00	m		
	<u>Gate Valves</u>				
	All valves shall European makes all valves shall be good quality or approved equivalent and samples should be approved by the Engineer before installation.Rate shall include for all necessary specials and fixing in position.				
2E/19	25mm dia gate valves (Prime cost of 25mm dia gate valves with fittings -Rs2,500/= per No) .	2.00	Nr		
2E/20	32mm dia gate valves (Prime cost of 32mm dia gate valves -Rs 3,250/= per No) .	1.00	Nr		
2E/21	32mm dia ball valve (Prime cost of 32mm dia ball valve.-Rs 4,500/= per No) .	1.00	Nr		
2E/22	32mm dia non-return valve (Prime cost of 32mm dia non return valve -Rs 3,750/= per No) .	1.00	Nr		
2E/23	Supply and install plastishell 2000 Ltrs.Water tank over the concrete toilet roof slab (measured separately)	1.00	Nr		
TOTAL FOR PLUMBING WORK CARRIED TO SUMMARY				Rs	

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SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
2F	<u>DRAINAGE WORK</u>				
	Rate shall include for all ground piping and shall include for pipe supports, saddles, clips , screeds, nails fixing and jointing materials , cutting holes chasing in brick and concrete etc and making good the same in all trades , and under ground piping all necessary excavation and back filling ,concrete bedding, and haunching disposal of surplus material as directed.				
	<u>Waste Water Disposal System & Sewerage Disposal System / Storm Water System</u>				
2F/01	Manhole 450mm x 450mmx550mm deep internally including excavation ,backfilling 150mm thick cement 1:2:4 (20mm) in base slab with necessary reinforcement forming channel & benching in similar concrete 112.5mm thick brick wall , 1:3 cement and sand plastering 20mm thick to channels & benching.Rate shall include for 100mm thick removable precast cover slab.	3.00	nr		
	<u>Waste & sewerage pipes</u> Rates for pipes shall include for fixing along the wall or burying in ground to required gradient .In case of buried in ground the pipes to be encased with concrete .				
	<u>Waste pipe(Type 600)</u>				
2F/02	40mm dia U.P.V.C type 600 pipes .	10.00	Lm		
2F/03	63mm dia U.P.V.C type 600 pipes .	15.00	Lm		
	<u>Sewerage pipe (Type 600)</u>				
2F/04	110mm dia U.P.V.C type 600	10.00	Lm		
	<u>Storm water pipes (Type 400)</u>				
2F/05	110mm dia U.P.V.C type 400 pipes	15.00	Lm		
	<u>Builders work</u>				

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B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty.	Unit	Rate	Amount
2F/06	Waste water trap gully internal size 225mm x 225mmx300mm deep in concrete floor including 125mm thick concrete screed (1:3) rendering to all exposed surfaces and finished smooth with neat cement float. Rate to include for necessary earthwork, grouting , steel grating etc.	2.00	nr		
	<u>Storm water manhole</u>				
2F/07	Storm water manhole, size 450mmx450x450mm deep approximately (internally) with a100mm concrete base 112.5mm thick brick side walls , cement rendered interior finished smooth with cement floating , forming channels ,hunching and benching ,100mm thick reinforced concrete precast removable sealed cover slab.	3.00	nr		
	<u>Septic tank with soakage pit</u>				
	<u>Septic tank</u>				
2F/08	Supply and installation of size 900mm Dia 2400mm long precast septic tank .Rate shall include excavation back filling , hoisting , placing and conecting to sewer pipes lines etc .	1.00	nr		
	<u>Soakage pit</u>				
2F/09	Supply and installation of size 900mm Dia 1200mm long precast soakage pit . Rate shall include excavation back filling , hoisting , placing and etc .	1.00	nr		
	<u>Waste water soakage pit</u>				
2F/10	1200mm dia (internal) waste water soakage pit. The pit circular wall to be built in 225mmbrick work in cement with 1:5 alternate open joints as directed. rate to include125mm thick concrete cover slab 1:2:4 (20mm)r/f with 12mm dia tor bars at 150mm crs. both ways, and 16mm thick cement rendering 1:3 finish smooth. provide for 225mmx225mm concrete 1:2:4 (20mm) rebated pad to accommodate the cover.Details as per Drawing No Ceypetco/Eng/Sk/0439.	1.00	nr		
TOTAL FOR DRAINAGE WORK CARRIED TO BILL NO -02 SUMMARY				Rs	

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SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item	Description	Unit	Qty	Rate	Amount
2G	<u>ELECTRICAL INSTALLATION</u> <u>Note</u> Rates in Bill of Quantities shall include all necessary materials (Cables, conduits, PVC sunk box, bulbs, switches etc.) and labour required to complete the electrical installation to good working order. Except where specifically stated, all costs associated with provision of all holes, openings, chases, ducts and other builders' work required for installation and make them good, shall be included in the rates. Where reference is made to certain manufactures' products and items identified by registered trade marks, has been done for the sole purpose of defining and establishing standards of quality and performance and not with the intention of restricting the procurement of material or fitting to a particular manufacturer. However all equipment and material should meet the BS or an equivalent standard. Testing and commissioning of the electrical installation is to be carried out by the contractor and inspection report submitted according to the requirements of the power supply Authority. Electrical Items (MCB,RCCB etc.) should be of European/Japanese origin or to the BS or equivalent and items without an accredited agent in Sri Lanka shall not be accepted. Guarantee cards(Fans etc.) should be provided from Accredited agent before installation.				

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SALES BUILDING

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Item	Description	Unit	Qty	Rate	Amount
	All the quantities given here are approximated values and Quantities may change with the actual installation at the site. All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation. <u>ALL ELECTRICAL PANEL BOARDS SHOP DRAWINGS SHOULD SUBMIT BY THE CONTRACTOR FOR THE ENGINEER APPROVAL BEFORE SUPPLY & INSTALLATION.</u> <u>Main Distribution Board (IP54)</u> Supply and installation of Main Distribution Board (MDB) complete with powder coated 2mm sheet steel enclosure with lockable doors. All panel boards should have wire numbering and a laminated circuit diagram should be pasted on the inside surface of the panel board. Main Distribution Board shall be complete with necessary over load protection (adjustable current and time), short circuit protection, surge protection, earth fault protection comprising all other required accessories. Surge protection for Main Distribution Board shall be provided at main busbars, with proper earthing and necessary protection. Make of MCCBs and MCBs, etc shall be ABB, Terasaki, Merlin Gerin or equivalent make approved by the Electrical Engineer. <u>Incoming Circuit Breakers</u> 01 No.32A, 4P MCCB (25kA fault level)				
	<u>Outgoing Circuit Breakers</u>				

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SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item	Description	Unit	Qty	Rate	Amount
2G/01	01 No. 20A 4P MCB Type C 01 Nos. 32A, 2P MCB Type C 01 Nos. 20A, 2P MCB Type C 1 set of Voltage/Current surge arrestors for three phase & neutral (3P+N) 20KV/40 KA Max 2 Sets of indicator bulbs for three phases with protection. 01 Nos. of Ammeters for 3 Phases (0 - 60A) with selector switch 02 No. of Voltmeters (0 - 500V) with selector switch All internal connections including 63A Live and Neutral bus bars, Earth bar etc. Equipment to be to the BS and European/Japanese make <u>Consumer Unit (CU)</u> Supply and installation of switch gear cubicle made out of (1.5mm thickness) sheet steel (IP54) stove enameled or powder coated for the finish with one coat of primer to the approval of the engineer with following equipment. All cable terminations to the panels should be properly galnded or suitably fixed to the panel enclosure as approved by engineer. <u>CU-01 (Building & Canopy)</u> 01 No. 32A 2-pole MCB Type B 01 No.40A 2 -Pole RCCB 30mA 04 No. 6A 1-Pole MCB 6kA type B 02 No. 10A 1-Pole MCB 6kA type B 02 No. 16A 1-Pole MCB 6kA type B 01 No. 20A 1-Pole MCB 6kA type B 1 Set of Live & Neutral bus bars Earth Bar	Nr	1.0		

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Item	Description	Unit	Qty	Rate	Amount
2G/02	1 Set of indicator bulbs for three phases with protection. All internal connections. Equipment to be to the BS and European/Japanese make <u>CU-02(Pump Panel)</u> 01 No. 20A 4-pole MCB Type C 03 No. 20A, 2-pole MCB 10kA 06 No. 16A 2-Pole MCB typC 03 No. 20A, 2-Pole RCCB 100mA 1 Set of Live & Neutral bus bars Earth Bar <u>1 Set of indicator bulbs for three phases with protection.</u> <u>All internal connections.</u>	Nr	1.0		
2G/03	Equipment to be to the BS and European/Japanese make <u>Supply & Install Manual Changeover Switch</u>	Nr	1.0		
2G/04	Supply & install 32A 4 Pole Manual Changeover switch in a board of Metal Cad body & door <u>Point wiring including switches (Luminaries measured separately)</u>	Nr	1.0		
2G/05	Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm² Cu/ PVC/PVC+2.5 mm² CU/PVC/PVC earth cable in concealed PVC conduits	Nr	15.0		
2G/06	LED strip light fixed around the canopy facia wire through a 10amp sunk switch using 2x1CX1.0mm² Cu/PVC/PVC in concealed PVC conduit	Nr	2.0		

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SALES BUILDING

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Item	Description	Unit	Qty	Rate	Amount
2G/0	Logo point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC + 2.5mm ² CU/PVC earth Cable in concealed PVC conduits	Nr	1.0		
2G/0	Wall fan points wire using 2x1Cx1.0mm ² Cu/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduits	Nr	2.0		
	<u>Supply Install & wire the following</u>				
2G/0	Flush mounted 13A Switched socket outlets Wired using 2x1Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit.	Nr	4.0		
	Yard light point wired from 20 A double pole indicator switch using 2C x 1 x 1.5mm ² Cu/PVC /SWA/PVC copper cable installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and backfilling.Allow for a G.I conduit where the cable has to go through a concrete				
2G/1	(a) .IP65/IP66 wather proof Junction Box to terminate the lamp & main wiring	Nr	2.0		
2G/1	(b) . For the wiring	m	67.0		
	Supply for D/LAD & LK using 2C x 1 x 1.5mm ² Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete				
2G/1	(a) . IP65/IP66 wather proof switch to terminate the lamp & main wiring	Nr	2.0		
2G/1	(b) . For the wiring	m	50.0		

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Item	Description	Unit	Qty	Rate	Amount
	Supply for air tower wire 2CX1x1.5 mm2 CU/PVC/SWA/PVC to a weather proof 13amp switched socket outlet using necessary sunk boxes etc. to a suitable point near air tower. Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete				
2G/1	(a) . 13Amp weather proof (IP66) switched socket outlet	Nr	1.0		
2G/1	(b) . For the wiring	m	35.0		
	Air compressor wired through a 20A 2pole MCB & 20A 2 Pole RCCB 100mA switch using 2Cx4mm2 Cu/PVC/PVC insulated copper wire in PVC conduit				
2G/1	(a) . 20A 2 pole MCB & 20A 2Pole RCCB 100mA	Nr	1.0		
2G/1	(b) . For the wiring	m	10.0		
	<u>Supply, install and connect</u>				
2G/1	2Cx 1 x 2.5mm2 CU/PVC/SWA/PVC underground cable installed minimum 2ft below the finished floor level and terminated to a petroleum resistive terminal. Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete	m	90		
	<u>Light Fittings</u>				
	Supply and installation of following light fittings. Light fitting shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to the installation.				
	<u>LED bulbs shall be minimum 2 years warranty period</u>				

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SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

Item	Description	Unit	Qty	Rate	Amount
2G/1	Recessed canopy light fitting complete with 42W LED bulb and other necessary accessories	Nr	8.0		
2G/2	Supply & Install LED strip light (3 raws) water proof (IP65) , colour Red around the facia (approximate length 43m) as per the drawing CEYPET/ENG/SK/0365-A	Nr	1.0		
2G/2	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required	Nr	5.0		
2G/2	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	Nr	2.0		
2G/2	Supply and installation of Ceiling mount lamp fitting comprising, 12W LED lamp (day light) and all other accessories required for toilet, bathroom & first flooe corridor	Nr	2.0		
2G/2	Wall mount weather proof (IP65) lamp fillting with 12W LED bulb	Nr	2.0		
2G/2	Pendant type weather proof (IP65) lamp fitting with 15w LED bulb	Nr	2.0		
2G/2	Supply & installation of 16" wall fan (European/Japanese make),complete all accessories - Guarantee cards should be provided from accredited agent.	Nr	2.0		
	<u>Note:</u> Ceiling/Wall fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards tyo be submitted before the installtion.				
	<u>Supply, install and Wire Following Earth Electrode</u>				

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Item	Description	Unit	Qty	Rate	Amount
2G/2	provide an earth electrode using 16 diameter CU Rod of 4m length, clamp and other accessories and 2.5mm ² CU/PVC/PVC eart wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms. (Main Electrical earth)	Item	1.0		
	<u>Supply,Connect and install the Following Cables</u>				
2G/2	1x4Cx6 mm ² CU/PVC/PVC Cable from CEB Meter to Manual Change over & Manual Changeover to MDB in concealed PVC conduit	m	6.0		
2G/2	1x2Cx6mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from MDB to CU1 in PVC conduit	m	5.0		
2G/3	1x4Cx4mm ² CU/PVC /PVC cable & 1 x 4mm ² copper earth cable from MDB to CU2 in PVC conduit	m	5.0		
	<u>GI Pipe to fix LED street light</u>				
2G/3	Supply and install yard light pole in 75mm dia. Medium duty G.I. pipe 6m above the ground level to fix the LED street light fitting.	Nr	2.0		
	<u>Inspection & Testing</u>				
2G/3	Testing the entire installation and rectify any defects and submit a certificate by a chartered electrical engineer for electrical installation.	Item	1.0		
ELECTRICAL INSTALLATION TOTAL CARRIED TO SUMMARY					

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SALES BUILDING

B O Q NO - 2025/Deni'ya/26/ 01

SUMMARY

BILL NO 02 - BUILDING WORKS .

2A	DEMOLISHING WORK	Rs
2B	SALES BUILDING	Rs
2C	EXCAVATION AND EARTH WORK	Rs
2D	CONCRETE WORK	Rs
2E	PLUMBING INSTALLATION	Rs
2F	DRAINAGE WORK	Rs
2D	ELECTRICAL INSTALLATION	Rs.
TOTAL CARRIED TO MAIN SUMMARY		Rs. <u> </u>

.....
Date

.....
Signature of Tenderer

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CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
	<u>BILL NO - 03 - MAIN CANOPY</u>				
3A	<u>EXCAVATION AND EARTH WORK</u>				
	<u>Excavation</u>				
3A/01	Excavation not exceeding 1500mm commencing from reduced level and including levelling and ramming bottom,part return and remove surplus excavated material as directed for canopy column and foundations	8.00	m ³		
	<u>Earth filling</u>				
3A/02	Supply fill and compact imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated .	5.00	m ³		
	<u>CONCRETE WORK</u>				
	<u>Concrete .</u>				
	<u>Upto ground floor level</u>				
	<u>Plain Concrete - Grade 15.</u>				
3A/03	Lean cement concrete 1:3:6(25mm)50mm thick layer under canopy column footings.	5.80	m ²		
	<u>Reinforced cement concrete Grade 25 ,to the following</u>				
3A/04	Column footings	1.20	m ³		
3A/05	Column shaft	0.60	m ³		
3A/06	225mmx350mm size tie beam @DPC level	2.00	m ³		
	<u>Ground floor level to roof level</u>				
	<u>Reinforced cement concrete Grade 25,to the</u>				
3A/07	Column shaft	2.60	m ³		

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MAIN CANOPY

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
	<u>FORM WORK</u>				
	<u>Up to ground level</u>				
3A/08	Form work to sides of column footings.	5.00	m ²		
3A/09	Form work to sides of column shaft .	6.20	m ²		
3A/10	Form work to sides and soffit of tie beams.	20.00	m ²		
	<u>Ground floor level to roof level</u>				
3A/11	Form work to sides of column shaft .	29.00	m ²		
	<u>REINFORCEMENT</u>				
	<u>Upto ground level</u>				
3A/12	Reinforcement steel to column footings. Y12mm	85.00	Kg		
3A/13	Reinforcement steel to column shaft. Y16mm	120.00	Kg		
3A/14	R-6mm	25.00	Kg		
3A/15	Reinforcement steel to tie beams. Y12mm	60.00	Kg		
3A/16	Y-10mm	40.00	Kg		
3A/17	R-6mm	150.00	Kg		
	<u>Ground floor level to roof level</u>				
3A/18	Reinforcement steel to column shaft. Y16mm	450.00	Kg		
3A/19	R-6mm	120.00	Kg		

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MAIN CANOPY

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
3A/20	<u>CONSTRUCTION OF CANOPY PUMP ISLAND</u> Construct pump bed (600mm wide and 250mm high) with 100mm block or brick walls filled with river sand and 75mm thick 1:3:6 (25mm) concrete on top, finished with matt black ceramic tiles top, edges to be finished smooth & rounded as shown in drg. Rate to include 20mm thick 1:3 mix cement sand rendering base as directed.	5.00	Lm		
3A/21	<u>STRUCTURAL STEEL AND ROOFING WORK</u> Supply and fix 200mmx133mm (25kg/m) Universal beam including 'necessary connection (welding /bolting)with cleats to concrete column with plate and bolts as shown in drg. No.- CEYPET /ENG/0640. Rate to include two coats of approved anticorrosive paint and two coats of enamel paint on cleaned surface.	28.00	m		
3A/22	Supply and fix 150x65x2.3mm Galvernized 'C' channel including necessary cleats and conection (welding /bolting) to "C" channel as shown in Drg No - CEYPET/ENG/0640 including sag corrections. Rate to include for one coat of approved primer and two coats of enamel paint on cleaned surface.	145.00	m		
3A/23	Supply and fixing 60 x 30 x 2mm galvenized 'C' sections in 'fascia fabrication as shown in drawing No - 'CEYPET/ENG/0640. Rate to include for one coat of approved primer and two coats of enamel paint on cleaned surface.	125.00	m		
3A/24	Supply and fixing 25 x25 x6mm Angle Iron for fascia frame. Rate to include one coat of approved anticorrosive paint and two coats of enamel paint on cleaned surface.	110.00	m		
3A/25	Supply and fixing 16mm thick 450mm x 450mm base plate on top of steel column . Rate to include one coat of approved anticorrosive paint and two coat of enamel paint on cleaned surface.	4.00	Nr		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION DENIYAYA.**

CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
3A/26	16mm Dia bolt 200mm long threaded one end and the other bend for anchorage length 1500mm.	16.00	Nr		
3A/27	Zinc Aluminium Colour bonded AZ -150 roofing sheets of approved profile and (not less than 0.47mm total coated thickness) approved quality and colour on steel frame work as shown in drawing (frame work measured seperatly).Rate to include colour bonded roof flashing and sheets with same thick material and sheet ridge etc.	150.00	m ²		
3A/28	Colour Bonded AZ 150 Zinc Aluminium gutter (300mmx225mm) with a coated thicknes of 0.47 mm fixed with 2mm thick G I fixing clips at 600mm centers. all as per and detail drawing in roof . Rate shall include for all necessary specials ,running heads with down spouts.(Down pipes measured seperatly)	14.00	m		
3A/29	Colour bonded AZ 150 Zinc aluminium down pipe 125mm x125mm square type with a coated thickness of 0.47mm complete with specials and connection to gutters.	16.00	m		
3A/30	<u>Flashing</u> Supply and fixing Zinc Aluminium 0.47mm thick flashing . The sheet to be embeded to wall by 50mm atleast at the minimum width to be 1000mm .Wall and sheet conection to be sealed with clear sealant	50.00	m ²		
3A/31	<u>COMPOSITE CLADDING</u> Aluminium white colour (Code RAL - 9003)Composite sheets fascia (4mm thick one hour fire rated)of approved quality and colour on G.I frame work as per fixing details in drawing to engineer's approval.(Frame work measured seperately)Rate to include supply install 200mm high red colour composit cladding strips around to (Code RAL 3000) composit cladding fascia,as per detail drawing No CEYPET/ENG/SK/0365-A .	60.00	m ²		

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CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
3A/32	Approved 4mm thick 1 Hr fire rated aluminium composite panel, alpolic or similar material including necessary 100 x 20 x 2mm and 60 x 30 x 2mm galvanized " C" channel frame work to details and approval around columns .	40.00	m ²		
	<u>METAL WORK</u>				
	Supply and fabricating of 63mm dia G.I pump guards as per sketch no CEYPET - SK - 0060				
3A/33	Size - 1800mm x 900mm pump guards	4.00	Nr		
3A/34	Size - 900mm x 900mm pump guards	2.00	Nr		
3A/35	Supply , fabricate & installation of 900mm dia 75mm logo 75mm wide circular frame & figure with 3 mm white Perspex sheet completed with colour stickers & light fittings, as per detail drawing No CEYPET / ENG/ SK/0365 -B	1.00	Item		
3A/36	Supply , fabricate & installation of 400mm high red colour perspex sheet Boxed type letters "CEYPETCO" finished with 75mm thick embossed , as per detail drawing No CEYPET / ENG/ SK/0365 - B Rate to include for Supply and fix LED lighting system to letters,(15W per letter) complete with drivers and wiring of LED lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits. . All LED lights shall carry a minimum two-year warranty.	1.00	Item		
3A/37	Supply ,fabricate and install double side light box of (Size 1200mmx150mmx400mm).Asper the sketch No Ceypet/0437 with 18Watt water proof LED light inside.	4.00	Nr		

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CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
3A/38	Lockable drawer unit intergrated into cladding column finished with matching cladding material .Designed as a temporary cash storage facility.Drawer fitted with smooth sliding rails ,secure locking mechanism as per the sketch No Ceypet /0437.	4.00	Nr		
TOTAL CARRIED TO BILL NO -03 MAIN SUMMARY				Rs.	

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CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
4A	<u>BILL NO - 04 - DRIVE WAY & MISCELLANEOUS WORKS</u>				
	<u>Yard Work</u>				
	<u>Earth filling</u>				
4A/0 1	Cutting for embankment in any material except rock requiring blasting .Rate to include surplus dispose and carting away all debris from site to a place found by the contractor.	65.00	m ³		
4A/0 2	Load and cart away excess excavated materials away from site to a place to be provided by the Contractor.	125.00	m ³		
4A/0 3	Supply,Spread & Compact Aggrigate base course (ABC) fill in layers not exceeding 150mm at any time watered well rammed and consolidated .Rate to include rolling with vibrating roller to form a dry base and to spread the fill to a given slope at site (Compacted volume)	195	m ³		
	<u>STORM WATER DRAIN</u>				
4A/0 4	Construction of 300mm wide masonary storm water drain as per drawing. Walls of the drain should be 112.5mm thick brick work and drain bed should be 75mm thick grade 20 RCC concrete reinforced with T10 @ 200mm C/C B/W .Internal faces of walls and drain bed should be rendererd with smooth plaster .Rate to include , approximate width 400mm storm water steel grating cover with R 12mm dia @ 75mm C/C .Rate to include 2 /50mmx50mmx3mm angle iron fram and one coats of anticorrosive and two coats of enamel paint	60	m		
	<u>Paving Blocks</u>				

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CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
	<u>Interlock paving</u> <u>Note</u> Paving blocks used should have at least compressive strength equivalent to Grade 30 concrete.(Test report to be submitted) Size of the paving stone should be 220mmx110 mm and height 80 mm or as directed Paving stone should be placed on 50mm (min.) sand bedding on the well compact soil to the specified slope. Edges of the paving should be finished with mass concrete equivalent to paving stone strength.Rate to include surface shall be backfilled with soil up to 225mm and leveled .				
4A/05	Supply and laying of interlock paving stones. (Refer specifications)	425	m ²		
	<u>Fuel dispensing pipe lines</u> Excavation of trenches to the fuel dispensing lines (pipes laying is included in the contract)				
4A/06	Excavation of trenches for pipe(Approx Dia 50mm - 75mm)lines from under ground tank to dispensing pump . Rate to include 300mm wide 450mm deep trench excavation and back filling with river sand and compacted to approval .	7.5	m ³		
	<u>Miscellaneous Work</u> <u>Note-:</u> Water proofing should be done according to the following specifications.				

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DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
	a)Interface including fuel tank -concrete wall, brick wall- concrete slab ,steel pipe and brick wall ,concrete slab should be waterproofed by using a sodium bennite based expanding joint water stag. b) External brick wall - steel pipe joint phase should be waterproofed by using an elastomeric joint sealant. c)All the external surfaces should be waterproofed by applying cementitious type water proofing material.				
4A/07	Demolishing of existing R/F concrete Pump base .Rate shall include for debris carted away from site .	3.5	m ³		
4A/08	Modification to existing under ground tank manholes to suit the raised driveway to modify with concrete /steel 2' 0" diameter 10mm thick steel cover as given in sketch No CEPET/ENG/0287 attached.Rate to include smooth plaster , water proofing , internal walls, to insure that there are no water leakage . Water proofing to be given to reputed agent as company with 5 years guarantee .	2.0	Nr		
	<u>Fuel pipes .</u>				
	<u>Note</u> <u>Following item to be done specially with CPC close supervision and approval.</u>				
4A/09	Supply and laying of 40mm(1 1/2") Dia GI heavy duty fuel pipe lines in drive way between tank and dispenser pump .Rate to include all pipes fittings and accessories.	40.0	m		

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DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
4A/10	Supply and laying of 40mm (1 1/2") Dia GI heavy duty pipe for vent lines in above ground and connect to the fuel tanks.(Including apply one coat of primer and two coats of enamel paint to CPC approved colours.Rate to include all pipes fittings and accessories.	35.0	m		
4A/1	Supply and fixing of G.I tank top valves .	6.0	nr		
4A/12	Provisional sum for any unforeseen work during construction	1.0	PS	1,000,000.00	1,000,000.00
	<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>				
	a). Base for signage shall be 5'-0" x4'-0"x4'-0" deep grade 25 concrete, reinforced with 16mm and 12mm tor steel, with 20mm thread bars to fix the body using galvanized nuts & bolts. Body should be fixed using 20mm thick mild steel plates (size varies according to the size of base) The plates should be concealed.				
	b). Double sided signage will have a 4" "U" channels fixed to both sides of the pylon reinforced with 1"x2" square tubes (2Nos. On each side) to mount the cladding and with 2"x2"x6mm angle iron horizontal bracings at 18" intervals on both sides of the structure with an additional 1"x6mm thick mild steel flat iron, bent to required shape to hold the cladding.				
	c). 4'-0" diameter circular pylon head structure (logo supporting structure) to be manufactured with 1 1/2" x 3/8" thick flat iron circles (2 Nos) braced at 8 points around the flat iron with same size flat iron. This structure will be fixed to the pylon structure via a 4" diameter G.I. hollow pipe, (Heavy duty)spray painted fixed with nuts and bolts.				
	The entire steel frame structure to be hot				

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DRIVE WAY & MISCELLANEOUS WORKS

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Item No	Description	Qty	Unit	Rate	Amount
	dipped galvanized. d). No drilling or welding to be carried out after galvanizing process is completed. e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work. f). All illuminated sections of the pylon to be (Company logo) fabricated using 3mm acrylic (perspex) sheets with the embossed figure at the center and wording at edges as specified from the same material. g). The Signage should be provided with adequate lighting by use of 3Nos 18w 2'-0" florescent lights (European make with 2 Year warranty) wired separately from the bottom to top through conduits. External illumination should be provided with 2 Nos Asymmetrical type flood lamps with 250w mercury vapour lamp (1P 65) fix to the top of the structure. Wiring to be done with 2 x 1C x 1 mm² cu/SWA PVC/ wire. with a suitable way to the Engineer's satisfaction with a supportive structure. All materials including conduit (under ground) and wiring from the available supply point (approximately 50m) to be included in the rate i). Letters to be with PVC luminous stickers on the colour bonded sheets as per the font, letter type, colour and wording given by the CPC j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive. k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation.				
	l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication.				

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DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Qty	Unit	Rate	Amount
	m). The successful tender should submit a guarantee for a minimum period of 10 years for anticorrosion of structure stability, and 05 years warranty to the colours of PVC stickers.				
	n). The rate shall include for the transporting handling and all other involment in the errection signages at outstations. The proposed outstations are attached herewith.				
4A/1 2	Supply ,fabricate and install of 1200mm x 5500mm double sided pylon signage as per specification and detailed drawing	1.0	Nr		
4A/1 3	Supply , fabricate & installation of 900mm dia logo perspex sheet 75mm wide circular frame & figure with 3 mm white Perspex sheet completed with lightup, as per detail drawing No CEYPET / ENG/ SK/0365B	Item	Item		
TOTAL CARRIED TO BILL NO -04 MAIN SUMMARY				Rs-	

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B O Q NO - 2025/Deni'ya/26/ 01

Item	Description	Qty.	Unit	Rate	Amount
5A	<u>BILL NO - 05 TANK INSTALLATION OF 1NO 3000 GALLOON.</u> <u>UNDER GROUND TANK</u> <u>Note:</u> a)It is contractor's responsibility to clean the the inside of the tank after installation. c)Quantities are given for 1 No. 3000 gl. tank. d) " Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511-A / CEYPET/ENG/UG32017. e) Allownce of 2' shall be made for the measurement as working space. <u>Excavation Earth work</u> <u>Unless otherwise measured separetely rates for excavation shall include for -:</u> (a)Compact bottom of excavations . (b)Working space. (c)The Contractor has to include rate for any working space as required with the unit rates.Excavation has been measured on net contact areas. <u>Tank Pit Excavation</u>				
5A/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	105.0	m ³		

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B O Q NO - 2025/Deni'ya/26/ 01

Item	Description	Qty.	Unit	Rate	Amount
5A/02	<u>Sand filling</u> River sand filling to a height of 1050mm above base concrete slab.	12.0	m ³		
5A/03	<u>Excess Earth</u> To transport excavated excess earth away from site to a location by the contractor .	65.0	m ³		
5A/04	<u>Hard earth filling</u> Approved selected dry earth filling(above sand filling)spread in layers not exceeding 150mm at anytime, watered well rammed & consolidated.	25.0	m ³		
5A/05	<u>Shoring</u> Timber shoring 50mm thick including frame work where if necessary .	75.0	m ²		
5A/06	<u>Dewatering</u> Allow for dewatering under ground water in any area during the period of construction.	1.0	Item		
5A/07	<u>Polythene</u> 500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab and top concrete . Rate shall include for upstand to sides and corners not exceeding 150mm in height .	40.00	m ²		
5A/08	<u>Concrete work</u> 150mm R.C.C 1:1 1/2:3 (20mm) in tank concrete top slab reinforced with 10mm dia .Tor bars at 200mm centers both ways .Rate to include for water proffing admixtures as aproved by Engineer.(Reinforcement measured separately)	3.25	m ³		

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B O Q NO - 2025/Deni'ya/26/ 01

Item	Description	Qty.	Unit	Rate	Amount
5A/09	150mm R.C.C 1:1 1/2:3(20)in tank concrete base slab reinforced with 10mm dia .Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for water proofing admixtures as aproved by Engineer.(Reinforcement measured separately)	3.25	m ³		
5A/10	150mm R.C.C 1:11/2:3(20mm) in tank concrete walls around the tank reinforced with 10mm dia. Tor bars at 225mm centers both ways .Rate to include for water proofing admixtures as approved by Engineer.(Reinforcement measured separately)	8.00	m ³		
	<u>Form work</u>				
5A/11	Form work to sides of walls ,cover slabs,edges for tank pit .	110.0	m ²		
	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>				
5A/12	Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	730.0	Kg		
	<u>Fabric mesh reinforcement</u>				
5A/13	BRC Mesh type A142 of BS4483 specification, for reinforcement in tank top .(one layer)	20.0	m ²		
	<u>Under Ground Fuel Tank Manhole</u>				
	<u>Note:-</u> <u>Water proofing should be done according to the following specifications.</u>				
	a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant .				

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Item	Description	Qty.	Unit	Rate	Amount
	b)All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.)Approved quality concrete admixture can be used for water proofing instead. (c)Water proofing to be given to reputed agent with 5 years guarantee .				
5A/14	Supply,fabricating and installing of (approximatly) 750mmx750mmx900mm deep (internally)under ground fuel tank manhole complete, with 12mm MS plate square manhole cover(Size 825mmx825mm) and frame (128Kg per set) with a total thicknes of walls 225mm by R.C.C 1: 1 1 /2 :3(20mm) and masonary brick side walls including form work and reinforcement,10mm tor steel bars @ 200mm centres bothways and tank top concrete to be reinforced with Y10mm tor steel bars and 6mm MS roads.All concrete and brick surfaces to be applied with epoxy paint(Free Mastic G -316 or equivalent) to side walls.6mm G.I. lifting hooks tied to yard concrete reinforcement and external sides of the brick wall finished smooth with neat cement plaster as per drawing No - CEYPET /ENG/0287	2.0	nr		
5A/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.0	Item		

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B O Q NO - 2025/Deni'ya/26/ 01

Item	Description	Qty.	Unit	Rate	Amount
5A/16	Supply,fabrication,transport and Installation of 3000 gallon under ground fuel tank(As per the CPC standards and attached specifications) with necessary accessories (straps and bolts etc) CPC standard as shown in drawing.Rate to include tank transport and all handling charges.	1.0	nr		
	Installation of 3000 Gallon under ground tank			Rs	
TOTAL CARRIED TO BILL NO -05 MAIN SUMMARY				Rs	

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B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
7A	<u>BILL NO - 06 SINGLE CANOPY</u> <u>Notes</u> The rates quoted by the tenderer should include for the followings items. <u>Foundation (03 Nos.):</u> a Excavation, 450mm x 450mm x 600mm deep 1:3:6 (25mm) concrete base to fix the canopy using 4 Nos of 16mm Ragbolts & 10mm thick MS plate etc as shown in drawing. The plate should be concealed. <u>Roof Work</u> b Canopy roof structure 50mm diameter G.I (Medium duty) Pipe spray painted to manufacturers specifications. as shown in drawing. No-CEYPET/ENG/SK/0021. c Supply & Fixing colour bonded Aluminium roofing sheets on steel frame work which include all neccessay angle iron (25mm x25mmx 3mm) structural frame work as shown in drawing. Rate will also include for applying two coats of anticorrosive paint d Supply & fixing colour bonded (AZ 150) 0.47mm Zinc Aluminium sheets facia of approved quality and colour on frame work as per fixing details in drawing to engineer's approval. e Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing					
			Note			
			Note			
			Note			
			Note			
			Note			

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Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
f	The single canopy should be provided with adequate lighting by use of 2 nos. fluorescent lights fittings complete with 2' 0" fluorescent bulb complete with diffuser etc.. wired to the inside of the top section through a 5 AMP sunk switch. Wiring should be done with 2x1c x 1.13 PVC insulated copper conductor & 1x1c x 7/0.67 PVC insulated copper earth conductor through 1000g water tight PVC conduit. All materials including conduit (under ground) and wiring from the available supply point (approximately 25m) to be provided.		Note			
g	The successful tenderer should submit a guarantee for a minimum period of 10 years for anticorrosion of structure, stability, material & colour		Note			
h	The rate will include for fabricate, installing single canopy . The proposed locations are given below.		Note			
6A/01	Fabricate, supply & install single canopy as per specification & detail drawing no .CEYPET/ENG/SK/0021.	2.0	Nr			
6A/02	<u>Pump Bed</u> 1800mm long 975mm wide 300mm high pump island in 100mm block or half brick walls filled with river sand and 75mm thick 1:3:6 (1") concrete on top finished with black Ceramic tiles of approved size and design to pump bed rate to include 20mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as shown in drawing no -CEYPET/ENG/SK/0021.	4.00	m			

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B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
	Supply , fabricating and installing G.I pump guard. Using 63mm Dia G.I (Medium duty)3mm thick pipes fixed to 6mm thick MS plate by (size150mm x150mm)with 4Nos 20mm Dia rag bolts and placed in 1:2:4(3/4") concrete base.(200mmx20mm x 200mm) .Rate to include excavation , form work , and applying two coat of primer and one coat of enamel paint to G.I pipes as per detail drawing No CEYPET/ENG/SK/0060 given below.					
6A/03	Size - 1800mm x 900mm pump guards	3.00	Nr			
6A/04	Size - 900mm x 900mm pump guards	4.00	Nr			
TOTAL CARRIED TO BILL NO -06 MAIN SUMMARY					Rs	

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EXTERNAL WORK

B O Q NO - 2025/Deni'ya/26/ 01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
	<u>BLL NO - 07 - EXTERNAL WORK</u>					
	<u>Rubble masonry retaining wall</u> (600mm high 35.0m long retaining wall .)					
	<u>Rubble Masonry Retaining Wall .</u>					
	<u>Excavation.</u>					
7A/01	Excavation not exceeding 1.5m deep commencing from reduced level and including levelling and ramming bottom ,part return and remove surplus excavated materials as directed for retaining wall foundation .	m ³	25.00			
	<u>Rubble wall packing.</u>					
7A/02	150mm thick wide (Avarage) 150x100mm size rubble along inner rubble wall as directed .	Nr	40.00			
	<u>Concrete Work.</u>					
	<u>Concrete:-</u>					
7A/03	Lean cement concrete 1:3:6 (25) 150mm thick layers under retaining wall footing .	m ³	4.00			
	<u>Masonry Work</u>					
7A/04	Random rubble masonry retaining wall foundation in cement and sand 1:5.	m ³	24.00			
	<u>Miscellaneous Work</u>					
7A/05	Supply and laying of 110mm dia 600 Type P.V.C pipes through the retaining wall for weep holes .	Nr	40.00			
TOTAL CARRIED TO MAIN SUMMARY				Rs		

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MAIN SUMMARY

Bill No - 01	PRELIMINARIES.	Rs.	
Bill No - 02	CONSTRUCTION OF SALES BUILDING.	Rs.	
Bill No -03	CONSTRUCTION OF MAIN CANOPY.	Rs.	
Bill No - 04	DRIVE WAY & MISCELLANEOUS WORK.	Rs.	
Bill No - 05	INSTALLATION OF 1NO 3000 GL TANK .	Rs.	
Bill No - 06	SINGLE CANOPY WORK	Rs.	
Bill No - 07	EXTERNAL WORK .	Rs.	
	SUB TOTAL 01	Rs.	
8.00	LESS PROVISIONAL SUM.	Rs.	1,000,000.00
	SUB TOTAL 02	Rs.	
9.00	LESS DISCOUNT (If any)	Rs.	
	SUB TOTAL 03	Rs.	
10.00	LESS CREDIT ON SALVAGE MATERIAL.	Rs.	
	SUB TOTAL 04	Rs.	
11.00	ADD PROVISIONL SUM.	Rs.	1,000,000.00
	TOTAL CARRIED TO FORM OF TENDER	Rs.	
	SUB TOTAL 05	Rs.	
12.00	ADD (2.5% SCCL)	Rs.	
	SUB TOTAL 06	Rs.	
13.00	ADD (18 % VAT)	Rs.	
	TOTAL WITH TAXES	Rs.	

Total amount in words

Name of Tenderer

Address

.....

Date

.....

Signature of Tenderer

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION EPPAWALA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
A	<u>BILL NO 01 - PRELIMINARIES</u>				
1A	<u>PRELIMINARIES</u>				
	<u>Bonds & Insurance.</u>				
1A/01	Allow lump sum for providing bid security	1.00	Item		
1A/02	Allow lump sum for providing insurance	1.00	Item		
1A/03	Allow lump sum for providing a performance Guarantee.	1.00	Item		
1A/04	Allow lump sum for providing an advance payment guarantee.	1.00	Item		
	<u>Temporary Buildings.</u>				
1A/05	a)Provide Lump Sum to construct good quality office with good ventilation for Client/Consultant staff.(approx 15m ²)and to provide two chairs, one table .	1.00	Item		
1A/06	b)Provide Lump Sum to construct water-tight shed equipment and maintain temporary buildings for protection and storage of materials, plant and workshops.	1.00	Item		
1A/07	c)Allow for temporary sanitary accomodation of site for the contractor's staff and workmen .	1.00	Item		
1A/08	Provide Lump Sum to construct good quality lockable hut for cash office /store for the filling station staff (approx 24m ²)	1.00	Item		
1A/09	Provide Lump Sum for erection of temporary site office for contractor with electricity ,water supply waste and drainage facilities.(approx 20m ²)	1.00	Item		

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B O Q NO - 2026/EPPAWALA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
1A/10	Allow for supply water for use during construction .It shall be the responsibility of the contractor to find the source of supply and storage facilities and internal arrangement and payment for consumption to authorities .	1.00	Item		
1A/11	Allow for supply temporary electricity to the site for the works including obtaining connection internal arrangement and payment to authorities .	1.00	Item		
	<u>Setting out</u>				
1A/12	Provide Lump sum for setting out of the works.	1.00	Item		
TOTAL FOR PRELIMINARIES WORK CARRIED BILL NO - 01 TO SUMMARY.				Rs	

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
	<u>BILL NO 02 - BUILDING WORKS .</u>				
2A	<u>DEMOLITIONS</u>				
2A/01	Clearing site including levelling as required and remove surplus excavated materials from site to place to be provided by the Contractor.(Approximate area 400m2)	1.00	Item		
2A/02	<u>Demolition.</u> Demolish and remove existing structures from the site. .Existing single story sales building(size6.0mx4.0m),existing toilet (approximate size 1.8mx1.2m) 2no's single canopie,temporary lubricant stores and generator room and other structures, plastered brick,windows and doors,all existing services such as water supply lines,sewerage lines,electrical installation including fittings septic tank(To remove sludge and back fill to approval),and other structures,and dump site to be arranged by the contractor and rate to be included for handling & transporting demolished materials, as per Engineers instruction etc.	1.00	Item		
	<u>Note</u> -:Contractor to quote a price for removing all salvage item given in the Main summary which will consist of all building materials in the building except electrical items , under ground tanks, pump guards etc.				
2A/03	Allow lum sum for supply and filling imported quarry dust spread in existing 2000 gagoon under ground fuel tanks. Rate to include back filling with approved quarry dust rammed and consolidated to approval.	11.00	m ³		
2A/04	Dismantle pipelines and remove existing 1No.2000 gl. Under ground tank and manhole.Rate to be include for back filling with approved earth rammed and consolidated to approval.	2	nr		

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2A/05	To transport removed 2nr 2000 gl existing tank loading and un loading fuel tank from LFS Eppawala to C.P.C Muthurajwela .Rate to incldes all handling charges.	1	Item		
TOTAL FOR DEMOLISHING WORK CARRIED TO SUMMARY					
2B	<u>EXCAVATION AND EARTH WORK</u> Note - Contractor should clear the site upon completing including removal of debris ,rubbish and all excess excavated material to a place to a place to be provided by the contractor .				
	<u>Excavation</u>				
2B/01	Excavation not exceeding 1.5m commencing from reduced level and including levelling and ramming bottom,part return and remove surplus excavated material as directed for column foundations .	3.50	m ³		
2B/02	- Ditto - in wall foundations .	12.00	m ³		
	<u>Earth filling (Quantities for the compacted volume)</u>				
2B/03	Supply and filling imported soil spread in layers not exceeding 6" at anytime watered well rammed and consolidated.(A.C.Generator room ,sales room,store room,workers rest room ,visitors diasable wash room ,workers wash room areas)	6.00	m ³		
2B/04	Selected excavated material shall be placed in layers not exceeding 150 mm in loose thickness, each layer being thoroughly compacted and consolidated, to form a stable base at ground floor level.	3.00	m ³		
TOTAL FOR EXCAVATION EARTH WORK CARRIED TO BILL NO - 02 SUMMARY					
2C	<u>CONCRETE WORK</u> <u>Upto ground floor level</u> <u>Plain Concrete - Grade 15.</u>				

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2C/01	Lean cement concrete 1:3:6 (25mm) 50mm thick layer under column footings.	3.50	m ²		
2C/02	Lean cement concrete 1:3:6(25mm) 50mm thick layer under rubble wall foundation .	16.00	m ²		
2C/03	75mm thick 1:3:6(25mm) plain concrete in sales building floor.	27.00	m ²		
	<u>Reinforced cement concrete Grade 25, to the following</u>				
2C/04	Column footings.	0.75	m ³		
2C/05	Column shafts .	0.25	m ³		
2C/06	Plinth beams. (225mmx300mm)	2.00	m ³		
	<u>Ground floor level to roof level.</u>				
	<u>Reinforced cement concrete Grade 25,to the following.</u>				
2C/07	Columns.	0.75	m ³		
2C/08	Tie beams @ lintol level .(Size 150mmx100mm)	0.60	m ³		
2C/09	125mm thick upper floor slab.(In water tank).	1.20	m ³		
2C/10	- Ditto - in beams	0.25	m ³		
	<u>FORM WORK</u>				
	<u>Up to ground level</u>				
2C/11	Form work to sides of column footings.	3.00	m ²		
2C/12	Form work to sides of column shaft .	4.00	m ²		
2C/13	- Ditto - to sides of plinth beams .	17.25	m ²		
	<u>Ground floor level to roof level.</u>				
2C/14	Form work to sides of columns.	11.00	m ²		

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2C/15	Form work to tie beams @ lintol level .(size 100mmx 150mm)	12.00	m ²		
2C/16	Form work to sides and soffit of water tank base slab.	10.00	m ²		
2C/17	- Ditto - in beams .	4.50	m ²		
	<u>REINFORCEMENT</u>				
	<u>Upto ground floor level</u>				
2C/18	Reinforcement steel in column footing . Y1	50.00	Kg		
2C/19	Reinforcement steel in plinth beams. Y12mm	140.00	Kg		
2C/20	R6mm	55.00	Kg		
2C/21	Reinforcement steel in column shaft. Y1	40.00	Kg		
2C/22	R6mm	10.00	Kg		
	<u>Ground floor level to roof level.</u>				
2C/23	Reinforcement steel in column shaft. Y1	45.00	Kg		
2C/24	R6mm	17.00	Kg		
2C/25	Reinforcement steel in tie beams	70.00	Kg		
2C/26	R6mm	5.00	Kg		
2C/27	Reinforcement steel in water tank slab.	80.00	Kg		
2C/28	- Ditto - in beams .	40.00	Kg		
2C/29	R6mm	15.00	Kg		
TOTAL FOR CONCRETE WORK CARRIED TO BILL NO - 02 SUMMARY					
2D	<u>MASONRY WORK</u>				
	<u>Block work</u>				

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2D/01	100mm thick solid cement block work in cement and sand 1:5 to walls in ground floor.	50.00	m ²		
	<u>Rubble Work</u>				
2D/02	6"x 9" random rubble masonry work in cement and sand 1:5 to walls foundation .	12.00	m ³		
TOTAL FOR MASONRY WORK CARRIED TO BILL NO -02 SUMMARY					
2E	<u>ASPHALT WORK</u>				
2E/01	500 Gauge polythene sheet as horizontal damp proof membrane under ground floor slab . Rate shall include for upstand to sides and corners not exceeding 150mm in height .	27.00	m ²		
	<u>Water proofing</u>				
2E/02	Provide approved water proofing system by a specialized water proofing contractor to ground floor bathroom floor,walls, water tank slab .(Payment will be given after handing over of 5 years warranty.)	25.00	m ²		
TOTAL FOR ASPHALT WORK CARRIED TO BILL NO - 02 SUMMARY					
2F	<u>METAL WORK</u>				
	<u>Note</u> All aluminium partition extrusions shall be powder coated and of approved colour (White colour) ,Total thickness of 60-80microns.Detail as per drawing No CEYPETCO /SK/0032				
	<u>Aluminium Doors & Windows</u>				
2F/01	Supply and fix aluminium framed glazed door with louverd above.Type D overall size 900mm x 2700mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	7.30	m ²		

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2F/02	Supply and fix aluminium framed double side ratate glazed door with louvered above.Type D1 overall size 1050mm x 2700mm high.Rate includes beading,cutting,locks,ironmongery,door handle, door closer of approved quality etc.	2.90	m ²		
2F/03	Supply and fix aluminium framed glazed door with louvered above.Type D2 overall size 1050mm x 2700mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	2.10	m ²		
2F/04	Supply and fix aluminium framed louver door.Type LD overall size1200mm x 2400mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, of approved quality etc.	2.90	m ²		
2F/05	Window type FG ,overall size 1850mm x 2700mm aluminium framed fixed glazed window with louverd above.As per detailed drawing with and including all necessary fixtures & fittings.	5.00	m ²		
2F/06	Window type FG1 ,overall size 900mm x 2700mm aluminium framed fixed glazed window with louverd above.As per detailed drawing with and including all necessary fixtures & fittings.	4.90	m ²		
2F/07	Supply and fix aluminium framed louver window .Type LW overall size 1200mm x 1500mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	3.70	m ²		
2F/08	Supply and fix aluminium framed glazed window with louvers above .Type W overall size 1000mm x 1500mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, of approved quality etc.	1.50	m ²		

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2F/09	Supply and fix aluminium framed glazed window with louvers above .Type W1 overall size 800mm x 1500mm high.Rate includes beading,cutting ,locks,ironmongery,door handle,of approved quality etc.	1.20	m ²		
2F/10	Window type F ,overall size 600mm x 900mm aluminium framed glazed fanlight .As per detailed drawing with and including all necessary fixtures & fittings.	0.55	m ²		
2F/11	Supply and fix aluminium framed louver door.Type LD overall size 1200mm x 2400mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	2.90	m ²		
	<u>Suspended Ceiling</u>				
2F/12	Supply and installation of Aluminium powder coated perforated metal ceiling panel 600mm x 600mm x 15mm with inter locking G.I hot dipped powder coated type frame work (colour-white) suspension will be G.I, 4mm thick adjustable hanger rod system. ceiling shall be installed in horizontal manner with shallow gap. (Office building area)	23	m ²		
TOTAL FOR METAL WORK CARRIED TO BILL NO 02 - SUMMARY					
2G	<u>CARPENTRY & JOINERY WORK</u>				
	<u>Flat Asbestos Ceiling</u>				
2G/01	Flat Asbestos ceiling sheets on timber frame work consisting of 100mm x 50mm joist and 50mm x50mm bearers at not more than 1.2 m centers .The sheets to be fixed to timber frame work leaving 6mm "V" grooves and 37mm x 37mm halmilla moulding round the edges where ceiling meets the walls.(Electrical generator room and eaves)	25	m ²		
2G/02	225mm x 25mm timber valance board fixed to end of steel members with suitable fixing arrangement.Rate to include one coat of wood	16	Lm		
TOTAL FOR CARPENTRY AND JOINERY WORK CARRIED TO BILL NO 02 - SUMMARY					

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2H	<u>ZINC ALUMINIUM ROOFING</u> <u>Zinc Aluminium Roofing</u> Note -:All steel surfaces (except Galvenized iron)to be applied with two coats of marine paint .Paint selection ,surface preraration and application should be strictly as per under 'painting of Steel ' in the <u>Main Canopy BOQ</u> .				
2H/01	Zinc Aluminium Colour bonded AZ -200roofing sheets, thickness 0.47 mm, with approved profile with fixing to the existing roof frame with approved fasteners, screws, washers, and fittings.Including all necessary accessories such as ridge caps.Ensuring proper alignment, overlap, sealing, and weatherproofing.All labour, materials, tools, scaffolding, and safety measures include.(Sales Office, Rest room ,Wash rooms ,Store room) (concrete pad etc)(Steel members measured separately.)	30	m ²		
2H/02	Zinc Aluminium Colour bonded AZ -200 roofing sheets of approved profile and (not less than 0.47mm total coated thickness) approved quality and colour on steel frame work as shown in drawing .Rate to include colour bonded thick material with sheet ridge etc.Rate to include all the steel members and accessories etc. (Electrical	11	m ²		
2H/03	Supply and fixing 75mmx37.5mmx2.3mm angle iron to be fixed on brick wall with rag bolts in 1:2:4(20mm)225x225x200mm concrete pad (pulings to be welded to fixed angle iron)Rate to include two coats of anticorrosive paint .	35	Lm		
2H/04	150mmx65mmx6mm G.I Lip pulins welded to fixed angle iron.Rate to include applying two coats of anticorrosive paint .	30	Lm		

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2H/05	50mmx50mmx2mm G.I.box bar pulins welded to fixed angle iron.Rate to include applying two coats of anticorrosive paint .	15	Lm		
2H/06	75mmx50mmx2mm G.I.box bar pulins welded to fixed angle iron.Rate to include applying two coats of anticorrosive paint .	15	Lm		
	<u>Composit Fascia frame(Sales building and Generator room)</u>				
2H/07	Supply and fixing 50 x 50 x 2mm galvenized tube sections in 'fascia fabrication as shown in drawing No - 'CEYPET/ENG/0649	20	Lm		
2H/08	Supply and fixing 25 x 25 x 2mm galvenized tube sections in 'fascia fabrication as shown in drawing No - 'CEYPET/ENG/0649	25	Lm		
	<u>Flashing</u>				
2H/09	Fabricate and fixing the flashing with 0.47 gauge, Zinc aluminium sheet to front wall. The width of the Zinc aluminium flashing should not be less than 450mm. (50mm embeded to wall)	17	m ²		
2H/10	Colour Bonded Zinc Aluminium gutter (150mmx125mm) with a coated thicknes of 0.47 mm fixed with 2mm thick G I fixing clips at 600mm centers. all as per and detail drawing in roof . Rate shall include for all necessary specials ,running heads with down spouts.(Down pipes measured seperatly)	12.00	Lm		
2H/11	Colour bonded Zinc aluminium down pipe 125mm x125mm square type with a coated thickness of 0.47mm complete with specials and connection to gutters.	17.00	Lm		

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2H/12	Aluminium white colour (Code RAL - 9003)Composite sheets fascia (4mm thick one hour fire rated)of approved quality and colour on G.I frame work as per fixing details in drawing to engineer's approval.(Frame work measured seperately)Rate to include supply, install 200mm high red colour composit cladding strips around to (Code RAL 3000) composit cladding sales	20.00	m ²		
TOTAL FOR CARPENTRY AND JOINERY WORK CARRIED TO BILL NO 02 - SUMMARY					
2J	<u>PLUMBING INSTALLATION</u>				
	<u>Sanitary Fittings and toilet accessories</u>				
2J/01	Wash basin 550mmx 375mm overall pedestal type "Rocell" or equivalent white /colour with 20mm dia cromium plated pillar tap,angle valve ,40mm dia rubber plug and cromium plated chain waste brackets in painted iron screwed tapered wooden blocks /rawl plugs buried in wall ,water supply and waste water conection all complete to working order.(Prime cost of wash basin with fittings -Rs 45,000/= per nr)	1.00	No		
2J/02	Supply and installation of close couple water closet "Rocell" or equivalent or with " P " or "S" trap ,duel flush complete with flexible connection , angle valves to the working order .(Prime cost of water closet with fittings -Rs 75,000/= per nr)	1.00	No		
2J/03	Supply and installation of upward folding support bar fix to wall.(2' 0" long)	1.00	No		
2J/04	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.00	No		
2J/05	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.00	No		

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2J/06	Allow for squatting pan with cistern flushing system with and piping arrangement . (Prime cost of squatting pan fitting -17,500 /= per nr)	1.00	No		
2J/07	Supply and Installation of Chromium plated 20mm dia bib tap Thailand or Malaysians equivalent make.(Prime cost of bib tap with	2.00	Nr		
2J/08	Supply and installation of bidet shower and Angle valve from a reputed manufacturer .(Prime cost of bidet shower with fittings -Rs 7,500/= per nr) .	1.00	No		
2J/09	Supply and installation of 100mm dia stainless steel shower rose in approved make.(Prime cost of stainless steel shower rose with fittings -Rs 7,500/= per No) .	1.00	No		
2J/10	Supply and installation of stainless steel towel holder in approved make.(Prime cost of stainless steel towel holder with fittings -Rs 6,500/= per No) .	1.00	No		
2J/11	Supply and installation of stainless steel coat hooks in approved make .(Prime cost of stainless steel coat hooks with fittings -Rs 2,500/= per No) .	1.00	No		
2J/12	Supply and installation of stainless steel soap tray in approved make.(Prime cost of stainless steel soap tray steel with fittings -Rs 2,500/= per No) .	1.00	No		
2J/13	Allow for mirror 450mm dia.(Prime cost of mirror -Rs 6,000/= per No) .	1.00	No		
2J/14	Supply and fix 20mm dia garden tap .(Prime cost of garden tap fittings -Rs 2,500/= per No) .	2.00	Nr		
2J/15	Supply and installation of 20mm dia concealed valve in a reputed manufacture .(Prime cost of concealed valve = 5000/= per nr)	1.00	No		

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
	Rate for all pipes shall include for necessary pipe fittings such as bends ,tees "Y" junctions reducers inspections openings , stop ends etc , as required .				
	Rates for pipes shall include for fixing along the wall or burying in ground to required gradient .In case of buried in ground the pipes to be encased with concrete .				
	<u>All pipes shall be U.P.V.C type 1000</u>				
2J/16	20mm dia U.P.V.C types.	6.00	Lm		
2J/17	25mm dia U.P.V.C types.	8.00	Lm		
2J/18	32mm dia U.P.V.C pipes from meter to over head	15.00	Lm		
	<u>Gate Valves</u>				
	All valves shall european makes all valves shall be good quality or approved equivalent and samples should be approved by the Engineer before installation. Rate shall include for all necessary				
2J/19	25mm dia gate valves (Prime cost of 25mm dia gate valves with fittings -Rs 3,000/= per No) .	1.00	No		
2J/20	32mm dia gate valves (Prime cost of 32mm dia gate valves -Rs 5,000/= per No) .	1.00	No		
2J/21	32mm dia ball valve (Prime cost of 32mm dia ball valve.-Rs 6,500/= per No) .	1.00	No		
2J/22	32mm dia non-return valve(Prime cost of 32mm dia non return valve -Rs 7,000/= per No) .	1.00	No		
2J/23	Supply and install plastishell 2000 Ltrs.Water tank over the concrete toilet roof slab (Roof slab	1.00	No		
TOTAL FOR PLUMBING WORK CARRIED TO BILL NO -02 SUMMARY					
2K	<u>DRAINAGE WORK</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
	Rate shall include for all ground piping and shall include for pipe supports, saddles, clips , screeds, nails fixing and jointing materials , cutting holes chasing in brick and concrete etc and making good the same in all trades , and under ground piping all necessary excavation and back filling ,concrete bedding, and haunching disposal of surplus	Note			
2K/01	150mm x 150mm x 125mm deep injection moulded PVC floor trap (catch pit) with stainless steel grating on top and set in concrete and	2.00	Nr		
	<u>Waste Water Disposal System & Sewerage Disposal System/ Storm Water System</u>				
2K/02	Manhole 450mm x 450mmx550mm deep internally including excavation ,backfilling 150mm thick cement 1:2:4 (20mm) in base slab with necessary reinforcement forming channel & benching in similar concrete 112.5mm thick brick wall , 1:3 cement and sand plastering 20mm thick to channels & benching. Rate shall include for	2.00	Nr		
	<u>Waste & sewerage pipes</u> Rates for pipes shall include for fixing along the wall or burying in ground to required gradient .In case of buried in ground the pipes to be encased				
	<u>Waste pipe(Type 600)</u>				
2K/03	40mm dia U.P.V.C type 600 pipes .	6.00	Lm		
2K/04	63mm dia U.P.V.C type 600 pipes .	15.00	Lm		
	<u>Sewerage pipe (Type 600)</u>				
2K/05	110mm dia U.P.V.C type 600	5.00	Lm		
	<u>Storm water pipes (Type 600)</u>				
2K/06	160mm dia U.P.V.C type 600 pipes	45.00	Lm		
	<u>Storm Water manhole</u>				

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B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
2K/07	Manhole 450mm x 450mmx550mm deep internally including excavation ,backfilling 150mm thick cement 1:2:4 (20mm) in base slab with necessary reinforcement forming channel & benching in similar concrete 112.5mm thick brick wall , 1:3 cement and sand plastering 20mm thick to channels & benching. Rate shall include for 100mm thick removable precast cover slab.	2.00	Nr		
	<u>Builders work</u>				
2K/08	Waste water trap gully internal size 225mm x 225mmx 300mm deep in concrete floor including 125mm thick concrete screed (1:3) rendering to all exposed surfaces and finished smooth with neat cement float. Rate to include for necessary earthwork, grouting , steel grating etc.	2.00	Nr		
	<u>Septic tank with soakage pit</u>				
2K/09	1800mmx900mmx1650mm(internal) septic tank with1200mmx900mmx1650mm(internal)attached soakage pit as shown in drawing.The septic tank base to be in150mm thick concrete 1:2:4(25mm) r/f with 10mm dia. Tor bars at 200mm crs. both ways.225mm brick work in cement 1:5. 75mm thick R.C.C. cover slab reinforced as shown in drawing including cement rendering 1:3 finished smooth. 225mmx225mm R.C.C. ring beam under soakage pit, 2 Nos.100mm dia. G.S.W. tees and 10mm thick cement rendering 1:3 with 5% pudlo to all internal surfaces of septic tank finished smooth. Rate to include for excavation, back filling and disposing surplus earth as directed.Details as per Drawing No Ceypetco/Eng/Sk/0059.	1.00	No		
	<u>Waste water soakage pit</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
2K/10	1200mm dia (internal) waste water soakage pit. The pit circular wall to be built in 225mm brick work in cement with 1:5 alternate open joints as directed. rate to include 125mm thick concrete cover slab 1:2:4 (20mm) r/f with 12mm dia tor bars at 150mm crs. both ways, and 16mm thick cement rendering 1:3 finish smooth. provide for 225mmx225mm concrete 1:2:4 (20mm) rebated pad to accommodate the cover. Details as per Drawing No Ceypetco/Eng/Sk/0439.	1.00	No		
TOTAL FOR DRAINAGE WORK CARRIED TO BILL NO -02 SUMMARY					
2L	<u>FLOOR AND WALL ,CEILING FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>Ceramic Floor Tiling</u>				
	<u>Floor Tiles</u>				
2L/01	Supply and laying of Homogeneous good quality non slip ceramic floor tiles laid on tile adhesives of approved quality and design to sales office .Rate to include 16mm thick cement and sand mix screed 1:3 to floor before laying tiles and dressing grooves with coloured cement slurry after fixing tiles in ground floor sales room ,store room,rest room,visitor's and worker's wash room as directed.(Prime cost of Rs2200/= per tile, size 600mmx 600mm)	23.00	m ²		
2L/02	Supply and laying approved quality non slip ceramic floor tiles laid on 16mm thick cement and sand mix screed and the joints pointed in colour cement to match the colour of tiles in visitor's toilet area in ground floor .(Prime cost of Rs1500 / = per tile, size 600mmx300mm)	5.00	m ²		
	<u>WALL FINISHES</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>External wall finishes</u>				
2L/03	16mm thick cement and sand 1:3 plinth plaster finished smooth with colour neat cement slurry .	10.00	m ²		
2L/04	Cement and sand 1:5 plaster 16mm thick finished semi rough with wooden float to walls from ground floor to roof level .	32.00	m ²		
	<u>Internal Wall Finishes</u>				
2L/05	16mm thick cement sand 1:5 plaster finished smooth with lime putty to internal walls from ground floor to roof level.	65.00	m ²		
	<u>Ceiling Finishes</u>				
2L/06	16mm thick plaster in cement and sand 1:3 to minimum thickness finished smooth with lime putty to soffit of water tank slab.	5.75	m ²		
2L/07	- Ditto - to side and soffit of beam .	5.85	m ²		
	<u>Skirting</u>				
2L/08	Ceramic tile skirting laid on cement and sand 1:2 screed in ground floor.	35.00	Lm		
	<u>Wall tile</u>				
2L/09	Glazed ceramic wall tiles of approved colour and manufacture lining to walls up to a height of 1500mm laid on 16mm thick cement and sand screed and the joints pointed in colour cement to match with the colour of tiles in ground floor toilet (Prime cost of tiles Rs 1800 /= per tile size, 300mmx 600mm)	18.50	m ²		
TOTAL FOR FLOOR ,WALL,CEILING WORK CARRIED TO BILL NO -02					
SUMMARY					
2M	<u>PAINTING AND DECORATION</u>				
	<u>External Painting</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
2M/01	Prepare and apply two coats of approved colour and quality paint to plinth	10.00	m ²		
2M/02	Prepare surface and apply one coat of primer and two coats of whether shield paint of approved colour and quality to external walls ground floor .	32.00	m ²		
2M/03	- Ditto - Boundary walls	110.00	m ²		
	<u>Internal Painting</u>				
	Prepare and apply two coats of emulsion paint with apply two coat of base coats of acrylic filler of approved manufacture and colour to approval to the following.Including reveals in doors and windows .				
2M/04	Walls in ground floor .	65.00	m ²		
2M/05	-Ditto - on Asbestos Ceiling .	25.00	m ²		
2M/06	Sides and soffit of water tank slab .	5.75	m ²		
2M/07	Sides and soffit of beams at water tank slab level.	5.85	m ²		
TOTAL FOR PAINTING WORK CARRIED TO BILL NO -02 SUMMARY					

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Item	Description	Unit	Qty	Rate	Amount
3N	<u>ELECTRICAL INSTALLATION</u> <u>Note</u> Electrical line diagram given are typical, changers may require in carrying out actual work. Contractor shall prepare the correct line diagram based on this typical balancing phase drawing work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000) The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations All Switches and Socket outlets shall be plated type make "Clipsal, Orange, ACL " or any other approval equivalent complying to SLS 1000:1993 for switches & SLS 1998:1991 for Socket outlets PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216 All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs All MCBs, RCCBs shall come with minimum of 10 years of warranty period.				
	All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period				

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3N/01	<u>Supply , install and wire the following Distribution Board (MDB)</u> TP & N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars live bus bars, 3 nos pilot lamps (R Y,B) insulated comb busbar and incorporating din rail type 3 Phase + neutral In 20k A /I max Surge. Protector Device (SPD) 1No 25A 4pole MCB Type C 1No 25A 4pole isolator 1nr 20A2 pole MCB 10kA type 1No 32A 2pole MCB Type C 1No 20A 4pole MCB, 10KA, Type C 1No 40A DP RCCB (30mA)	No	1		
3N/02	<u>Supply , install and wire the following Distribution Board -DB1</u> TP & N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamps (R,Y,B Indicator bulbs) with protection 01 no. 32A 2 pole MCB 10 kA Type C 01no 40A 2pole RCCB 30mA 04 no's 6 Amp 1 pole MCB 10kA 02 no's 10Amp 1 pole MCB 10kA 02 no's 10Amp 1 pole MCB 10kA 03 No. 20A, 2-Pole RCCB 100mA	No	1		
3N/03	<u>Supply , install and wire the following Distribution Board -DB1</u> TP & N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamps (R,Y,B Indicator bulbs) with protection				
	01 no. 25A 4 pole MCB Type C 01 no. 20A 2 pole MCB 10kA 01 no. 16A 2 pole MCB type C 3no 20A 2pole RCCB 100mA	No	1		

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	<u>Point wiring including switches (Luminaries measured separately)</u>				
3N/04	Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits	Nr	24		
3N/05	Logo point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC + 2.5mm ² CU/PVC earth Cable in concealed PVC conduits	No	1		
3N/06	Ceiling fan points wire through regulator & 10Amp sunk switch using 2x1Cx1.0mm ² Cu/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduits	Nr	2		
	<u>Supply Install & wire the following</u>				
3N/07	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 4 number fo socket outlets) Socket outlets are included	No	1		
3N/08	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 3number fo socket outlets) Socket outlets are included	No	1		

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	Yard light point wired from 20 A double pole indicator switch using 2C x 1 x 1.5mm ² Cu/PVC /SWA/PVC copper cable installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and backfilling.Allow for a G.I conduit where the cable has to go through a concrete				
3N/09	(a) . 20A double pole indicator switch	Nr	3		
3N/10	(b) . For the wiring	Lm	60		
	Supply for signage tower wire from double using 2C x 1 x 1.5mm ² Cu/PVC/SWA/PVC installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete				
3N/11	(a) . 20A double pole indicator switch	No	1		
3N/12	(b) . For the wiring	Lm	40		
	Supply for air tower wire 2CX1x1.5 mm ² CU/PVC/SWA/PVC to a weather proof outlet using necessary sunk boxes etc. to a suitable point near air tower installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete				
3N/13	(a) . 10A one gang one way switch with weather proof cover (IP65)	No	1		
3N/14	(b) . For the wiring	Lm	30		

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3N/15	Air compressor wired through a 20A 2pole MCB, 10kA in the DB1 using 2Cx4mm2 Cu/PVC/PVC +4mm2 CU/PVC earth wire in PVC conduit (a) . 20A 2 pole MCB Type C+20A 2 Pole RCCB 100mA in Transparent polycarbonate enclosure	No	1		
3N/16	(b) . For the wiring	Lm	10		
	Supply for LK Pump light bulb wire using 2C x 1 x 1.5mm2 Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level .Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete.(Armoured cable shall be properly connected with the earth)				
3N/17	(a) . 10A one gang one way switch with weather proof cover (IP65)	No.	1		
3N/18	(b) . For the wiring	Lm	24		
3N/19	Supply for LP92 Pump light bulb wire using 2C x 1 x 1.5mm2 Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete(Armoured cable shall be properly connected with earth.) (a) .10A one gang one way switch with weather proof cover (IP65)	No.	1		

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3N/20	(b) . For the wiring Supply for AC & generator room light bulbs wire using 2Cx1.5mm² Cu/PVC/SWA/PVC insulated copper cable installed minimum 2'0" below the finished floor level Allow for a G.I conduit where the cable has to go through a concrete.(Armoured cable shall be properly connected with earth.) (a) .10A one gang one way switch with weather proof cover (IP65) (b) . For the wiring <u>Supply, install and connect for fuel pump terminals</u>	Lm	32		
		No.	1		
		Lm	28		
3N/21	2Cx 1 x 2.5mm² CU/PVC/SWA/PVC underground cable installed minimum 2ft below the finished floor level and terminated to a petroleum resistive terminal. Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete	Lm	130		
3N/22	<u>Supply, install Manual Changeover switch</u> 1No 32A 4Pole Manual Changeover Switch with Handle (Enclosure to be included) <u>Light Fittings</u> Supply and installation of following light fittings. Light fitting shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to the installation. All LED bulbs shall carry minimum of 2 years warranty	No.	1		

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3N/23	warranty cards shall be handed over once the installation is completed 100W LED High Bay Light fitting, IP65, water proof, 180-250VAC operating voltage, 50hZ, Power factor more than 0.9, Colour 6500K, CRI shall be more than 80, with Aluminium cover & required accessories such as steel rod to bolt/weld the light fitting to the roof steel purlin. Further, a safety stainless steel rope/chain shall be fixed to the light fitting via the roof steel purlin to avoid fitting faaling down.(Prime cost of 100W High Bay lamp fitting with similar specification is Rs.10,500/-)	Nr	12		
3N/24	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQUIRE TYPE)	Nr	7		
3N/25	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	Nr	3		
2N/26	Supply and installation of Pendant lamp fitting comprising, 12W LED lamp (day light) and all other accessories required for toilet, bathroom.	Nr	2		
2N/27	Weather Proof pendant lamp fitting with 16W LED daylight bulb for LK//LP92 /LAD pump terminal	Nr	3		
2N/28	Supply & installation of 56" sweep ceiling fan (European/Japanese make),minimum 165 CMM, complete with regulator, fan hook, extension rod & attachment - Guarantee cards should be provided from accredited agent.	Nr	2		

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2N/29	Ceiling recessed /soffit mount round chrome light fittings with 15W LED day light for outside of the main building . Note: Ceiling fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards to be submitted before the installation.	Nr	4		
2N/30	Supply and install LED strip light water proof (IP65), colour Red around the fascia (approximate length 46m) as per the drawing CEYPET / ENG / SK/ 0365-A. LED strip light shall have minimum 2 years warranty period	Nr	2		
2N/31	Supply and install LED strip light water proof (IP65), colour White around the fascia (approximate length 46m) as per the drawing CEYPET / ENG / SK/ 0365-A.				
2N/32	LED strip light shall have minimum 2 years warranty period <u>Supply, install and Wire Following Earth Electrode</u> provide an earth electrode using 50 diameter GI pipe and copper earth 6mm² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms.	Nr Item	2 1		

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2N/33	provide an earth electrode using 50 diameter GI pipe and copper earth 6mm ² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms.(For Unloading Point)	Item	1		
	<u>Supply , Connect and install the Following Cables</u>				
2N/34	1x4Cx6mm ² CU/PVC/PVC Cable from CEB Meter to Manual Change Over, Manual Chaneover to MDB in concealed PVC conduit	Lm	15		
2N/35	1x4Cx6mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from MDB to DB ₂ in PVC conduit	Lm	10		
2N/36	1x2Cx6mm ² CU / PVC/PVC Cable 1x6mm ² on earth cable for MDB2 to DB 1 in PVC conduit.	Lm	10		
2N/37	1x4Cx10mm ² CU/PVC/PVC cable from Generator to 4 pole change over switch in PVC conduit	Lm	15		
	<u>GI Pipe to fix LED street light</u>				
2N/38	Supply and install yard light pole in 75mm dia. Medium duty G.I. pipe 6m above the ground level to fix the LED street light fitting.Detail as per Drawing No Ceypetco/Eng/Sk 0044.	Lm	3		
	<u>Inspection & Testing</u>				

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2N/39	Testing the entire installation and rectify any defects and submit a certificate by a chartered electrical engineer for electrical installation	Item	1		
ELECTRICAL INSTALLATION TOTAL CARRIED TO SUMMARY					

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SALES BUILDING

B O Q NO - 2026/EPPA'LA/ 13/01

SUMMARY

BILL NO 02 - BUILDING WORKS .

2A	DEMOLISHING WORK	Rs	
2B	EXCAVATION AND EARTH WORK	Rs	
2C	CONCRETE WORK	Rs	
2D	MASONRY WORK	Rs	
2E	ASPHALT WORK	Rs	
2F	METAL WORK	Rs	
2G	CARPENTRY & JOINERY WORK	Rs	
2H	ZINC ALUMINIUM ROOFING	Rs	
2J	PLUMBING INSTALLATION	Rs	
2K	DRAINAGE WORK	Rs	
2L	FLOOR WALL & CEILING FINISHES FINISHES	Rs	
2M	PAINTING DECORATION WORK	Rs	
2N	ELECTRICAL INSTALLATION	Rs.	
TOTAL CARRIED TO MAIN SUMMARY		Rs.	

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CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2026/EPPAWALA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
	<u>BILL NO - 03 - MAIN CANOPY</u>				
3A	<u>EXCAVATION AND EARTH WORK</u>				
	<u>Excavation</u>				
3A/01	Excavation not exceeding 1500mm commencing from reduced level and including levelling and ramming bottom , part return and remove surplus excavated material as directed for canopy column and foundations	9.00	m ³		
	<u>Earth filling</u>				
3A/02	Supply fill and compact imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated .	6.00	m ³		
	<u>CONCRETE WORK</u>				
	<u>Concrete .</u>				
	<u>Upto ground floor level</u>				
	<u>Plain Concrete - Grade 15.</u>				
3A/03	Lean cement concrete 1:3:6(25mm)50mm thick layer under canopy column footings.	6.00	m ²		
	<u>Reinforced cement concrete Grade 25 ,to the following</u>				
3A/04	Column footings	2.25	m ³		
3A/05	Column shaft	0.65	m ³		
	<u>Ground floor level to roof level</u>				
	<u>Reinforced cement concrete Grade 25,to the following</u>				
3A/06	Column shaft	2.60	m ³		
	<u>FORM WORK</u>				
	<u>Up to ground level</u>				
3A/07	Form work to sides of column footings.	4.00	m ²		
3A/08	Form work to sides of column shaft .	6.00	m ²		

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MAIN CANOPY

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Item No	Description	Qty	Unit	Rate	Amount
	<u>Ground floor level to roof level</u>				
3A/09	Form work to sides of column shaft .	29.00	m ²		
	<u>REINFORCEMENT</u>				
	<u>Upto ground level</u>				
3A/10	Reinforcement steel to column footings. - 12mm	60.00	Kg		
3A/11	Reinforcement steel to column shaft. - Y16mm	130.00	Kg		
	R6mm	30.00	Kg		
	<u>Ground floor level to roof level</u>				
3A/12	Reinforcement steel to column shaft. - Y16mm	290.00	Kg		
	R6mm	220.00	Kg		
	<u>CONSTRUCTION OF CANOPY PUMP ISLAND.</u>				
3M/13	Construct pump bed (900mm wide and 250mm high) with 100mm block or brick walls filled with river sand and 75mm thick 1:3:6 (25mm) concrete on top, finished with matt black ceramic tiles top, edges to be finished smooth & rounded as shown in drg. Rate to include 20mm thick 1:3 mix cement sand rendering base as directed.	7.50	Lm		
	<u>STRUCTURAL STEEL AND ROOFING WORK</u>				
	<u>Painting of Steel in canopy roof</u>				
	<u>Paint selection specification</u>				
	Paint Coatings used should be selected as per following Guide lines				
	Corrosivity and environment conditions as per independent Standard ISO 12944				

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MAIN CANOPY

B O Q NO - 2026/EPPAWALA/13/01

Item No	Description	Qty	Unit	Rate	Amount
	The selection of coatings and cleaning process should be based on following criteria to prevent further rusting after the rectifications The primer used shall be heavy duty and marine grade with minimum solids of 80%(to achieve Higher DFT in one coat) and shall be surface tolerant type to suit site steel surface cleaning possibilities Primer used shall be compatible with cleaning of fresh water to be free of salt and contamination deposits at current steel structures and properly dry. Maximum use of electro mechanical Power Tools as a combination of Wire brushes and Disc sanders/power brush and Needle chipper as needed and all rust debris shall be disposed when selecting steel cleaning equipments utmost care and safety should be employed as a inflammable environment and flames and sparks should be totally avoided and recommended only Non magnetic Phosphor/Bronze type. The steel with flaking paint peels/non adhesive Coatings should be 100% removed and all locations with spot rusts, paint cracked corrosion blister corrossions and corrossions at weld seams/sharp edges/corners etc should be thoroughly cleaned and wherever there is old paint intact existing zinc phosphate primer undercoat) should be slightly roughened with sand papering. <u>Selection of primer for the full coat</u> For the Steel selections covered inside by the canopy following is recommended 1 st Coat 75-100 Microns DFT				

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MAIN CANOPY

B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
	Marine Grade (2 component Base and Hardener Type) High solid Heavy duty marine Coatings PRIMER with Minimum solids content 80% Polyamine cured Epoxy surface tolerant suitable for 2nd glade surface preparation (as per existing cleaning possibility) and where sand blasting is not practical and the Epoxy primer selected should withstand St2-St3 type of manual cleaning and epoxy over coatable on aged old wheathered Tar free existing paints and tar free and withstand Hot Sun steel temperature of minimum 100-120 0C as exposed to exteriors and achive a minimum 75-100 Microns Dry Film Thickness /Equivalent to Sigma cover 630 or alike and prior to applications Contractors should submit marine paint manufacture's certified product Data Sheet and systems heets and obtain approval from CPC Engineering (Suppliers should not use 2nd grade industrial Grade as Marine environments) Low quality Bitumen anticorrosive paints not aacceptable. 2nd Coat 50-75 Microns DFT Marine Grade (2 component Base and Hardener Type) Medium solid Heavy duty marine Coatings PRIMER/Coating with Minimum solids content 60% Polyamide cured Epoxy colour Black matt with Micasious Iron oxide pigmented with good adhesion on 1 st coat and tar free and with stand hot sun steel temperature of minimum 100-120 0C as exposed to exteriors Oven effect and achieve a minimum 50-75 Microns Dry Film thickness (Low quality Bitumen anticorrosive paints not acceceptable) equivelent to Sigmacover 522/435 MIO EPOXY or alike and prior to applications contractor should submit marine paint manufacture's Certified product Data Sheet and system sheets and obtain approval from CPC Engineering (suppliers should not use as 2 nd Grade material Marine environmenets)				

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MAIN CANOPY

B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
	Contractor should provide samples of paint layers to determine the paint thickness while work IS in progress.				
3M/14	Supply and fix 200mmx133mm(25kg/m) Universal beam including 'necessary connection (welding /bolting)with cleats to concrete column with plate and bolts as shown in drg. No.- CEYPET '/ENG/066.Including two coats of approved anticorrosive paint.	17.00	Lm		
3M/15	Supply and fix 150mmx75mm(25kg/m) Universal beam including 'necessary connection (welding /bolting)with cleats to concrete column with plate and bolts as shown in drg. No.- CEYPET '/ENG/066.Including two coats of approved anticorrosive paint.	45.00	Lm		
3M/16	Supply and fix 150x65x2.3mm Galvernized 'C' channel including necessary cleats and conection (welding /bolting) to "C" channel as shown in Drg No - CEYPET/ENG/0066 including sag correction rods.	98.00	Lm		
3M/17	Supply and fixing 50 x 25 x 2mm galvenized tube sections in 'fascia fabrication as shown in drawing No - 'CEYPET/ENG/0066	150.00	Lm		
3A/18	Supply and fixing 12mm thick 350mmx350mm base plate on top of column .	4.00	Nr		
3A/19	16mm Dia. bolt 200mm long threaded one end and the other bend for anchorage length 1350mm.	32.00	Nr		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION EPPAWALA.**

CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
3A/20	Zinc Aluminium Colour bonded AZ 200 roofing sheets of approved profile and (not less than 0.47mm total coated thickness) approved quality and colour on steel frame work as shown in drawing (frame work measured seperatly).Rate to include colour bonded roof flashing and sheets with same thick material and sheet ridge etc.(including sales bulding roof.)	110.00	m ²		
3A/21	Colour Bonded Zinc Aluminium gutter (300mmx225mm) with a coated thicknes of 0.47 mm fixed with 2mm thick G I fixing clips at 600mm centers. all as per and detail drawing in roof . Rate shall include for all necessary specials ,running heads with down spouts.(Down pipes measured seperatly)	13.00	Lm		
3A/22	Colour bonded Zinc aluminium down pipe 125mm x125mm square type with a coated thickness of 0.47mm complete with specials and connection to gutters.	15.00	Lm		
	<u>Flashing</u>				
3A/23	Supply and fixing Zinc Aluminium 0.47mm thick flashing .The sheet to be embeded to wall by 50mm atleast at the minimum width to be 1000mm .Wall and sheet conection to be sealed with clear sealant	42.00	m ²		
	<u>COMPOSITE CLADDING</u>				
3A/24	Aluminium white colour (Code RAL - 9003)Composite sheets fascia (4mm thick one hour fire rated)of approved quality and colour on G.I frame work as per fixing details in drawing to engineer's approval.(Frame work measured seperately)Rate to include supply, install 200mm high red colour composit cladding strips around to (Code RAL 3000) composit cladding fascia,as per detailed drawing No CEYPET/ENG/SK/0365B.	45.00	m ²		
3A/25	Approved 4mm thick 1 Hr fire rated aluminium composite panel, alpolic or similar material including necessary 100x20x2mm and 60x30x2mm galvanized "C" channel frame work to details and approval around columns .	20.00	m ²		

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CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2026/EPPAWALA/13/01

Item No	Description	Qty	Unit	Rate	Amount
	<u>METAL WORK</u>				
	Supply and fabricating of 50mm dia G.I pump guards as per sketch no CEYPETCO/ENG/SK/ 0060				
3A/26	Size - 1800mm x 900mm pump guards	2.00	Nr		
3A/27	Size - 900mm x 900mm pump guards	4.00	Nr		
3A/28	Supply , fabricate & installation of 900mm dia 75mm logo 75mm wide circular frame & figure with 3 mm white Perspex sheet completed with colour stickers & light fittings, as per detail drawing No CEYPET / ENG/ SK/0365 -B	1.00	Item		
3A/29	Supply , fabricate & installation of 400mm high red colour perspex sheet Boxed type letters finished with 75mm thick embossed , as per detail drawing No CEYPET / ENG/ SK/0365 -B	1.00	Item		
3A/30	Supply ,fabricate and install double side light box of (Size 1200mmx150mmx400mm).Asper the sketch No Ceypet/0437 with 18Watt water proof LED light inside.	2.00	Nr		
3A/31	Lockable drawer unit intergrated into cladding column finished with matching cladding material .Designed as a temporary cash storage facility.Drawer fitted with smooth sliding rails ,secure locking mechanism as per the sketch No Ceypet /0437.	2.00	Nr		
TOTAL CARRIED TO BILL NO -03 MAIN SUMMARY					

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LANKA FILLING STATION EPPAWALA.**

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/EPPA/LA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
4A	<u>BILL NO - 04 - DRIVE WAY & MISCELLANEOUS WORKS</u>				
	<u>Yard Work</u>				
	<u>Earth filling</u>				
4A/01	Supply, fill and compact imported ,soil in layers not exceeding 150mm at any time watered well rammed and consolidated .	52	m ³		
4A/02	Supply spread and compacted to approved density graded aggregate base course (ABC)using 37.5mm aggregate .	25	m ³		
4A/03	Cutting and demolishing of existing 150mm thick asphalted surface in driway .Rate shall include for debris carted away from site .	15	m ²		
4A/04	Cutting and demolishing of existing 150mm thick RCC surface in driway .Rate shall include for debris carted away from site .	7	m ²		
	<u>Paving Blocks</u>				
	<u>Interlock paving</u>				
	<u>Note</u>				
	Paving blocks used should have at least compressive strength equivalent to Grade 30 concrete.(Test report to be submitted) Size of the paving stone should be 220mmx110 mm and height 80 mm or as directed				
	Paving stone should be placed on 50mm (min.) sand bedding on the well compact soil to the specified slope. Edges of the paving should be finished with mass concrete equivalent to paving stone strength.Rate to include surface shall be backfilled with soil up to 225mm and leveled .				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION EPPAWALA.**

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/EPPA/LA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
4A/05	Supply and laying of interlock paving stones. (Refer specifications)	360	m ²		
4A/06	<u>Kerbstones</u> Precast cement kerbs 150mmx225mmx900mm to detail with all necessary excavation, formwork, etc.	3.0	Lm		
	<u>Fuel dispensing pipe lines</u> Excavation of trenches to the fuel dispensing lines (pipes laying is included in the contract)				
4A/07	Excavation of trenches for pipe (Approx Dia 50mm -75mm) lines from under ground tank to dispensing pump . Rate to include 300mm wide 450mm deep trench excavation and back filling with river sand and compacted to approval .	15.0	m ³		
	<u>Miscellaneous Work</u> <u>Water proofing of tank manholes</u> <u>Note:-</u> Water proofing should be done according to the following specifications. a) Interface including fuel tank -concrete wall, brick wall- concrete slab ,steel pipe and brick wall ,concrete slab should be waterproofed by using a sodium bennite based expanding joint water stag. b) External brick wall -steel pipe joint phase should be waterproofed by using an elastomeric joint sealant.				

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DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/EPPA/LA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
	c)All the external surfaces should be waterproofed by applying cementitious type water proofing material.				
4A/08	<u>Manhole</u> Removing and demolishing of existing fuel manhole and supply, fabricating and installing of (approximately) 750mmx750mmx900mm deep (internally) under ground fuel tank manhole complete, with 12mm MS plate square manhole cover (Size 825mmx825mm) and frame (128Kg per set) with a total thickness of walls 225mm by R.C.C 1: 1 1/2 :3(20mm) and masonry brick side walls including form work and reinforcement, 10mm tor steel bars @ 200mm centres both ways and tank top concrete to be reinforced with Y10mm tor steel bars and 6mm MS rods. All concrete and brick surfaces to be applied with epoxy paint (Free Mastic G -316 or equivalent) to side walls. 6mm G.I. lifting hooks tied to yard concrete reinforcement and external sides of the brick wall finished smooth with neat cement plaster as per drawing No - CEYPET/ENG/0287	2.0	nr		
4A/09	Modification to existing under ground tank manholes to suit the raised driveway to modify with concrete /steel 2' 0" diameter 10mm thick steel cover as given in sketch No CEPET/ENG/0287 attached. Rate to include smooth plaster, water proofing, internal walls, to insure that there are no water leakage. Water proofing to be given to reputed agent as company with 5 years guarantee.	2.0	nr		
	<u>Fuel pipes and Fittings</u>				
	<u>Note</u> Following item to be executed specially with CPC close supervision and approval.				

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CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
4A/10	Supply and laying of 40mm(1 1/2") Dia GI heavy duty fuel pipe lines in drive way between tank and dispenser pump .Rate to include all necessary fittings and accessories.	45.0	Lm		
4A/11	Supply and laying of 40mm(1 1/2") mm Dia GI heavy duty pipe for vent lines in above ground and connect to the fuel tanks.(Including apply one coat of primer and two coats of enamel paint.)Rate to include all necessary fittings and accessories.	65.0	Lm		
4A/12	Supply and fixing 40mm Dia (1 1/2") brass of G.I tank top valves .	7.0	nr		
	<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>				
	a). Base for signage shall be 5'-0" x4'-0"x4'-0" deep grade 25 concrete, reinforced with 16mm and 12mm tor steel, with 20mm thread bars to fix the body using galvanized nuts & bolts. Body should be fixed using 20mm thick mild steel plates (size varies according to the size of base) The plates should be concealed. b). Double sided signage will have a 4" "U" channels fixed to both sides of the pylon reinforced with 1"x2" square tubes (2Nos. On each side) to mount the cladding and with 2"x2"x6mm angle iron horizontal bracings at 18" intervals on both sides of the structure with an additional 1"x6mm thick mild steel flat iron, bent to required shape to hold the cladding. c). 4'-0" diameter circular pylon head structure (logo supporting structure) to be manufactured with 1 1/2" x 3/8" thick flat iron circles (2 Nos) braced at 8 points around the flat iron with same size flat iron. This structure will be fixed to the pylon structure via a 4" diameter G.I. hollow pipe, (Heavy duty)spray painted fixed with nuts and bolts.				

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DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
	m). The successful tender should submit a guarantee for a minimum period of 10 years for anticorrosion of structure stability, and 05 years warranty to the colours of PVC stickers.				
4A/13	n). The rate shall include for the transporting handling and all other involment in the erection signages at outstations. The proposed outstations are attached herewith. Supply ,fabricate and install of 1200mm x 5500mm double sided pylon signage as per specification and detailed drawing	1.0	nr		
TOTAL CARRIED TO BILL NO -04 MAIN SUMMARY					

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
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CEYLON PETROLEUM CORPORATION

SINGLE CANOPY

B O Q NO - 2026/EPPA/LA/13/01

Item No	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
5A	<u>BILL NO - 05 - SINGLE CANOPY</u> <u>Notes</u> The rates quoted by the tenderer should include for the followings items. <u>Foundation (03 Nos.) -</u> a Excavation, 450mmx 450mm x 600mm deep 1:3:6 (25mm) concrete base to fix the canopy using 4 Nos of 16mm Ragbolts & 10mm thick MS plate etc as shown in drawing. The plate should be concealed. <u>Roof Work</u> b Canopy roof structure 50mm diameter G.I (Medium duty) Pipe spray painted to manufacturers specifications. as shown in drawing. No-CEYPET/ENG/SK/0021. c Supply & Fixing colour bonded Aluminium roofing sheets on steel frame work which include all neccessay angle iron (25mm x25mmx 6mm) structural frame work as shown in drawing. Rate will also include for applying two coats of anticorrosive paint d Supply & fixing colour bonded (AZ 150) 0.47mm Zinc Aluminium sheets facia of approved quality and colour on frame work as per fixing details in drawing to engineer's approval. e Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing					
			Note			
			Note			
			Note			
			Note			
			Note			

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CEYLON PETROLEUM CORPORATION

SINGLE CANOPY

B O Q NO - 2026/EPPA'LA/13/01

Item No	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
f	The single canopy should be provided with adequate lighting by use of 2 nos. fluorescent lights fittings complete with 600mm' flourasent bulb complete with diffuser etc.. wired to the inside of the top section through a 5 AMP sunk switch. Wiring should be done with 2x1c x 1.13 PVC insulated copper conductor & 1x1cx7/0.67 PVCinsulated copper earth conductor through 1000g water tight PVC conduit. All materials including conduit (under ground) and wiring from the available supply point (approximately 25m) to be provided.		Note			
g	The successfull tenderer should submit a guarantee for a minimum period of 10 years for anticorrosion of structure, stability, material & colour		Note			
h	The rate will include for fabricate, installing single canopy . The proposed locations are given below.		Note			
5A/01	Fabricate, supply & install single canopy as per specification & detail drawing no .CEYPET/ENG/SK/0021A.	3.0	nr			
5A/02	<u>Pump Bed</u> 1800mm long 975mm wide 300mm high pump Island in 100mm Block or half brick walls filled with river sand and 75mm thick 1:3:6 (1") concrete on top finished with black Ceramic tiles of approved size and design to pump bed rate to include 16mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as shown in drawing no -CEYPET/ENG/SK/0050.	7.00	Lm			

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SINGLE CANOPY

B O Q NO - 2026/EPPA'LA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	Supply , fabricating and installing G.I pump guard. Using 60mm(2 1/2") Dia G.I (Medium duty)3.2mm thick pipes fixed to 6mm thick MS plate by (size150mm x 150mm)with 4Nos 12mm Dia rag bolts and placed in 1:2:4(3/4") concrete base.(200mmx200mmx 200mm) .Rate to include excavation , form work , and applying two coat of primer and one coat of enamel paint to G.I pipes as per detail drawing No CEYPET/ENG/SK/0060 given below.					
5A/03	Size - 1800mm x 900mm pump guards	6.00	nr			
5A/04	Size - 900mm x 900mm pump guards	3.00	nr			
TOTAL CARRIED TO BILL NO -05 MAIN SUMMARY						

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B O Q NO - 2026/EPPA'LA/ 13/01

Item	Description	Qty.	Unit	Rate	Amount
6A	<u>BILL NO - 06 TANK INSTALLATION OF 1NO 5000 GALLOON.</u> <u>UNDER GROUND TANK</u> <u>Note:</u> The contractor shall purchase a new 5,000-gallon tank from a reputed manufacturer, ensuring compliance with CPC standards and adherence to relevant quality assurance requirements a)It is contractor's responsibility to clean the the inside of the tank after installation. b)Quantities are given for 1 No. 5000 gl. tank. c)" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511/ CEPET/ENG/UG32017. <u>Construction sequence for underground tank installation</u> (1) The contractor should strictly follow the below mentioned sequence for construction of RCC tank chamber and installation of the steel tank inside the chamber. (2)Excavation for tank pit (3)Base concrete with approved water proofing admixture (make two water access holes 300mmx300mm at two opposite corners of the base concrete to avoid any upthrust impose). i.e These holes are not to be concreted when the base is concreted.				

	(4) Outer wall concrete with approved water proofing admixture (5) concrete curing for 21 days. (6) Tank installation (water access holes should be filled with concrete of the same Grade and water proofed a little time before the tank installation (7) Backfilling with sand the inside bottom part of the camber (8) Backfilling with soil inside and outside of the chamber <u>Tank Pit Excavation</u>				
6A/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	125.0	m ³		
	<u>Sand filling</u>				
6A/02	River sand filling to a height of 1050mm above base concrete slab.	17.0	m ³		
	<u>Excess Earth</u>				
6A/03	To transport excavated excess earth away from site to a location by the contractor .(Bulk volume)	125.0	m ³		
	<u>Hard earth filling</u>				
6A/04	Approved selected dry earth filling(above sand filling)spread in layers not exceeding 150mm at anytime, watered well rammed & consolidated.	35.0	m ³		
	<u>Shoring</u>				
6A/05	Timber shoring 50mm thick including frame work where if necessary .	90.0	m ²		
	<u>Dewatering</u>				
6A/06	Allow for dewatering under ground water in any area during the period of construction.	1.0	Item		
	<u>Polythene</u>				
6A/07	500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab and top concrete . Rate shall include for upstand to sides and corners not exceeding 150mm in height .	50.00	m ²		

	<u>Concrete work</u>				
6A/08	150mm R.C.C 1:1 1/2:3 (20mm) in tank concrete top slab reinforced with 10mm dia .Tor bars at 150mm centers both ways .Rate to include for water proofing admixtures as aproved by Engineer(Reinforcement measured separately)	4.50	m ³		
6A/09	150mm R.C.C 1:1 1/2:3(20)in tank concrete base slab reinforced with 10mm dia .Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for water proffing admixtures as aproved by Engineer(Reinforcement measured separately)	4.50	m ³		
6A/10	150mm R.C.C 1:1 1/2:3(20mm)in tank concrete walls around the tank reinforced with 10mm dia.Tor bars two layers at 200mm centers both ways. Rate to include for water proofing admixtures as aproved by Engineer (Reinforcement measured separately)	10.00	m ³		
	<u>Form work</u>				
6A/11	Form work to sides of walls ,cover slabs,edges for tank pit .	140.0	m ²		
	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>				
5A/12	Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	1200.0	Kg		
	<u>Fabric mesh reinforcement</u>				
5A/13	BRC Mesh type A142 of BS4483 specification, for reinforcement in tank top .(one layer)	26.0	m ²		
	<u>Under Ground Fuel Tank Manhole</u>				
	<u>Note-:</u> <u>Water proofing should be done according to the following specifications.</u>				
	a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant .				

	b)All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.) (c)Water proofing to be given to reputed agent with 5 years guarantee .			
5A/14	Supply,fabricating and installing of (approximatly) 750mmx750mmx900mm deep (internally)under ground fuel tank manhole complete, with 12mm MS plate square manhole cover(Size 825mmx825mm) and frame (128Kg per set) with a total thicknes of walls 225mm by R.C.C 1: 1 1 /2 :3(20mm) and masonry brick side walls including form work and reinforcement,10mm tor steel bars @ 200mm centres bothways and tank top concrete to be reinforced with Y10mm tor steel bars and 6mm MS roads.All concrete and brick surfaces to be applied with epoxy paint(Free Mastic G -316 or equivalent) to side walls.6mm G.I. lifting hooks tied to yard concrete reinforcement and external sides of the brick wall finished smooth with neat cement plaster as per drawing No - CEYPET /ENG/0287	2.0	nr	
5A/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.0	Item	
5A/16	Installation of tank with necessary traps and bolts as shown in drawing.	1.0	Item	
5A/17	Supply,fabrication,transport and Installation of 5000 gallon under ground fuel tank(As per the CPC standards and attached specifications) with necessary accessories (traps and bolts etc) CPC standard as shown in drawing.Rate to includes all handling charges.	1.0	nr	
TOTAL CARRIED TO BILL NO -06 MAIN SUMMARY				

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CEYLON PETROLEUM CORPORATION**

BOQ NO - 2026/EPPAWALA/13/01

Item	Description	Qty.	Unit	Rate	Amount
7A	<u>BILL NO - 07 TANK INSTALLATION OF 1NR 3000 GALLOON.</u> <u>UNDER GROUND TANK</u> <u>Note:</u> (a)The contractor shall purchase a new 3,000-gallon tank from a reputed manufacturer, ensuring compliance with CPC standards and adherence to relevant quality assurance requirements b)It is contractor's responsibility to clean the the inside of the tank after installation. c)Quantities are given for 1 No. 3000 gl. tank. d)" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511 / CEPET/ENG/UG32017. <u>Construction sequence for underground tank installation</u> (1)The contractor should strictly follow the below mentioned sequence for construction of RCC tank chamber and installation of the steel tank inside the chamber. (2)Excavation for tank pit (3)Base concrete with approved water proofing admixture (make two water access holes 300mmx300mm at two opposite corners of the base concrete to avoid any upthrust impose). i.e These holes are not to be concreted when the base is concreted. (4)Outer wall concrete with approved water proofing admixture (5)Concrete curing for 21 days.				

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B O Q NO - 2026/EPPA'LA/ 13/01

Item	Description	Qty.	Unit	Rate	Amount
	(6)Tank installation(water access holes should be filled with concrete of the same Grade and water proofed a little time before the tank installation (7)Backfilling with sand the inside bottom part of the camber (8) Backfilling with soil inside and outside of the chamber <u>Tank Pit Excavation</u>				
7A/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	105.0	m ³		
	<u>Sand filling</u>				
7A/02	River sand filling to a height of 1050mm above base concrete slab.	12.0	m ³		
	<u>Excess Earth</u>				
7A/03	To transport excavated excess earth away from site to a location by the contractor .	105.0	m ³		
	<u>Hard earth filling</u>				
7A/04	Approved selected dry earth filling(above sand filling) spread in layers not exceeding 150mm at anytime, watered well rammed & consolidated.	25.0	m ³		
	<u>Shoring</u>				
7A/05	Timber shoring 50mm thick including frame work where if necessary .	75.0	m ²		
	<u>Dewatering</u>				
7A/06	Allow for dewatering under ground water in any area during the period of construction.	1.0	Item		
	<u>Polythene</u>				
7A/07	500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab and top concrete . Rate shall include for upstand to sides and corners not exceeding 150mm in height .	40.00	m ²		

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B O Q NO - 2026/EPPA'LA/ 13/01

Item	Description	Qty.	Unit	Rate	Amount
	<u>Concrete work</u>				
7A/08	150mm R.C.C 1:1 1/2:3 (20mm) in tank concrete top slab reinforced with 10mm dia .Tor bars at 150mm centers both ways .Rate to include for water proofing admixtures as aproved by Engineer.(Reinforcement measured separately)	3.50	m ³		
7A/09	150mm R.C.C 1:1 1/2:3(20)in tank concrete base slab reinforced with 10mm dia .Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for water proffing admixtures as aproved by Engineer.(Reinforcement measured separately)	3.50	m ³		
7A/10	150mm R.C.C 1:1 1/2:3(20mm)in tank concrete walls around the tank reinforced with 10mm dia .Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for water proffing admixtures as aproved by Engineer.(Reinforcement measured separately)	8.00	m ³		
	<u>Form work</u>				
7A/11	Form work to sides of walls ,cover slabs,edges for tank pit .	110.0	m ²		
	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>				
7A/12	Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	800.0	Kg		
	<u>Fabric mesh reinforcement</u>				
7A/13	BRC Mesh type A142 of BS4483 specification, for reinforcement in tank top .(one layer)	20.0	m ²		
	<u>Under Ground Fuel Tank Manhole</u>				
	<u>Note:-</u> <u>Water proofing should be done according to the following specifications.</u>				

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B O Q NO - 2026/EPPA'LA/ 13/01

Item	Description	Qty.	Unit	Rate	Amount
	a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant . b)All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.)Approved quality concrete admixture can be used for water proofing instead. (c)Water proofing to be given to reputed agent with 5 years guarantee .				
7A/14	Supply,fabricating and installing of (approximatly) 750mmx750mmx900mm deep (internally)under ground fuel tank manhole complete, with 12mm MS plate square manhole cover(Size 825mmx825mm) and frame (128Kg per set) with a total thicknes of walls 225mm by R.C.C 1: 1 1 /2 :3(20mm) and masonry brick side walls including form work and reinforcement,10mm tor steel bars @ 200mm centres bothways and tank top concrete to be reinforced with Y10mm tor steel bars and 6mm MS roads.All concrete and brick surfaces to be applied with epoxy paint(Free Mastic G -316 or equivalent) to side walls.6mm G.I. lifting hooks tied to yard concrete reinforcement and external sides of the brick wall finished smooth with neat cement plaster as per drawing No - CEYPET /ENG/0287	2.0	nr		
7A/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.0	Item		
4A/16	Installation of tank with necessary traps and bolts as shown in drawing.	1.0	Item		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION EPPAWALA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/EPPAWALA/ 13/01

Item	D e s c r i p t i o n	Qty.	Unit	Rate	Amount
4A/17	Supply,fabrication,transport and Installation of 3000 gallon under ground fuel tank(As per the CPC standards and attached specifications) with necessary accessories (traps and bolts etc) CPC standard as shown in drawing.Rate to includes tank all handling charges.	1.0	nr		
TOTAL CARRIED TO BILL NO - 07 MAIN SUMMARY					

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION EPPAWALA.
CEYLON PETROLEUM CORPORATION**

EXTERNAL WORK

B O Q NO - 2026/EPPA'LA/13/01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
	<u>BLL NO - 08 - EXTERNAL WORK</u>					
	<u>Repair for boundary wall</u>					
	<u>Brick work</u>					
8A/01	100mm thick cement block work in cement and sand 1:5 mix to around to existing void spaces in parapet walls, confirming to SLS standard blocks .	m ²	30.00			
8A/02	Cement and sand 1:5 plaster 16mm thick finished semi rough with wooden float to both sides of the parapet wall .	m ²	55.00			
8A/03	<u>R.C.C Coping</u> Grade 25 concrete coping app 100mmx100mm thick on parapet wall with 2 no's 12mm tor steel rods tied as stiffners columns with necessary form work .	Lm	30.00			
8A/04	<u>Stiffner column - Parapet wall</u> Grade 25 concrete stiffners column 100mmx150mm to parapet wall with 2 no's 12mm tor steel rods with necessary form work.	Lm	9.00			
8A/05	<u>External painting</u> Prepare surface and apply one coat of primer and two coats of whether shield paint of approved colour and quality to external walls ground floor .	m ²	55.00			
TOTAL CARRIED TO BILL NO -08 MAIN SUMMARY						

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION EPPAWALA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/EPPA'LA/13/01

MAIN SUMMARY

Bill No - 01	PRELIMINARIES.	Rs.
Bill No - 02	CONSTRUCTION OF SALES BUILDING.	Rs.
Bill No -03	CONSTRUCTION OF MAIN CANOPY.	Rs.
Bill No - 04	DRIVE WAY & MISCELLANEOUS WORK.	Rs.
Bill No - 05	CONSTRUCTION OF SINGLE CANOPY.	Rs.
Bill No - 06	INSTALLATION OF 1NO 5000 GL TANK .	Rs.
Bill No - 07	INSTALLATION OF 1NO 3000 GL TANK .	Rs.
Bill No - 08	EXTERNAL WORK	Rs.
	SUB TOTAL 01	Rs.
10.00	LESS DISCOUNT (if any)	Rs.
	SUB TOTAL 02	Rs.
11.00	LESS CREDIT ON SALVAGE MATERIAL.	Rs.
	SUB TOTAL 03	Rs.
12.00	ADD (2.5% SCCL)	Rs.
	SUB TOTAL 04	Rs.
13.00	ADD (18 % VAT)	Rs.
	TOTAL WITH TAXES	Rs.

Total amount in words

Name of Tenderer

Address

.....

Date

Signature of Tenderer

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19/ 01 - PRELIMINARIES



ITEM REF.		QTY.	UNIT	UNIT RATE	TOTAL PRICE RUPEES
1/-	BILL NO- 01 - PRELIMINARIES				
1A/01	Allow lump sum for providing Security Bonds , guarantees etc.		item		
1A/02	Allow lump sum for providing a performance Bonds .		item		
1A/03	Provide Lump Sum to construct good quality office with good ventilation for Client / Consultant staff (approx. 15 m ²)and to provide two chairs and one table.		item		
1A/04	Provide Lump Sum to construct water tight shed equipment and maintain temporary buildings for protection and storage of materials , plant and workshops.		item		
1A/05	Allow lump sum for temporary sanitary accomodation of site for the contractor's staff and workmen.		item		
1A/06	'Allow lump sum for construct good quality lockable hut for cash office / store for the filling station staff(approx. 24m2)		item		
1A/07	"Allow lump sum for providing erection of temporary site office for contractor with electricity , water supply waste and drange facilities (approx. 20 m2)		item		
1A/08	Allow lump sum for supplying water for use during construction . It shall be the responsibility of the contractor to find the source of supply and storage facilities and internal arrangement and payment for consumption to authorities.		item		
1A/09	'Allow lump sum for supplying temporary electricity to the site for the works including obtaining connection internal arrangement and payment to authorities.		item		
1A/10	Allow lump sum for setting out of the Works .		item		
TO BILL NO. 01 CARRIED TO MAIN SUMMARY				RS	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2A	BILL NO- 02 - BUILDING WORKS				
	<u>DEMOLITION AND CLEARING</u>				
	Note				
	a) Rate to include for clearing site including construction debris before and after finishing the work and cart away all debris from site to a location to be provided by the contractor.				
	b) Contractor to quote a price for removing all salvage item (in the main summary) which will consist of all building materials in the building except electrical items , under ground tanks, Hoist , Pump guard , single canopy , pipe lines and cable etc.				
2A/01	Demolishing and removing existing structures from the site as shown in the drawing (Contractor to give credit on these salvaged items given in the main summary). Existing Building (Approx. size 9.6m x 6.5m) , water tank structure (Approx. 1 . 5 m x 2.1 m x 6 m height) , single canopy 05 Nos and other existing minor structures from the site.	1.0	item		
2A/03	Demolishing and removing existing septic tank and soakage pit (Approx. size 3000mm x 1800mm x 2400mm and 1200mm dia 2400mmdeep) and back fill with imported soil in layers not exceeding 150mm and compaction to the approval of Engineer including removal of sludge .	1.0	item		
2A/04	Dismantling pipe lines and Removing existing tank (01 No 2000gl under ground tank) with manhole . Rate to include for back fill with imported soil in layers not exceeding 150mm at any time watered, well rammed and consolidated to approval .	3.0	Nr		
2A/05	Transport 2000gal. removed tanks from site to C.P.C. Muthurajawela Rate to include all handling charges (if necessary)	3.0	Nr		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2A/06	Cut and Removing "Mango" tree (Approx. girth 1.2m and 10.0m high). Rate to include cutting of trunks and branches, grubbing up root etc. and clearing site and filling and levelling the ground with imported soil in layers not exceeding 6" at any time watered well rammed and consolidated.	1.0	nr			
2A/07	Cut and Removing "Mango" tree (Approx. girth 1.5m and 10.0m high). Rate to include cutting of trunks and branches, grubbing up root etc. and clearing site and filling and levelling the ground with imported soil in layers not exceeding 6" at any time watered well rammed and consolidated.	1.0	nr			
2A/08	Cut and Removing "Kohomba" tree (Approx. girth 2.5m and 10.0m high). Rate to include cutting of trunks and branches, grubbing up root etc. and clearing site and filling and levelling the ground with imported soil in layers not exceeding 6" at any time watered well rammed and consolidated.	1.0	nr			
2A/09	Cut and Removing "Kohomba" tree (Approx. girth 2.0m and 10.0m high). Rate to include cutting of trunks and branches, grubbing up root etc. and clearing site and filling and levelling the ground with imported soil in layers not exceeding 6" at any time watered well rammed and consolidated.	1.0	nr			
2A/10	Cut and Removing "Kottamba" tree (Approx. girth 1.7m and 10.0m high). Rate to include cutting of trunks and branches, grubbing up root etc. and clearing site and filling and levelling the ground with imported soil in layers not exceeding 6" at any time watered well rammed and consolidated.	1.0	nr			
DEMOLITION AND CLEARING TOTAL CARRIED TO BILL NO.2				Rs		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2B	<u>EXCAVATION AND EARTH WORK</u>				
	<u>Note</u> Contractor to allow clearing of site upon completing and during construction, including removal of all rubbish and debris and leaving the building clean internally and externally . All such debris to be removed from site to a location arranged by the contractor.		Note		
2B/01	Excavation for wall foundation depth not exceeding 1.0m from finished ground level.	21.0	m ³		
2B/02	- Ditto - In Columns	6.5	m ³		
2B/03	Earth filling under floors with selected excavated earth at site in 150mm thick layers well rammed and consolidated.	15.0	m ³		
2B/04	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated	10.0	m ³		
	Planking and strutting				
2B/05	Planking and strutting to sides of columns pits excavation , depth not exceeding 1.5 m commencing from stripped off level. (if necessary)	65.0	m ²		
	Dealing with water				
2B/06	Allow for dewatering underground water in any area during the period of construction.	1.0	item		
2B/07	Provisinal sum for any unforeseen work during construction	1.0	PS		
	Anti-termite treatment				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2B/08	Anti-termite treatment to be carried out from a reputed company to excavated surfaces and backfilled areas to manufacturers specifications. (Tenderer to submit technical proposals along with the tender) payments will be effected only on submission of guarantee for a period of ten (05)years.	32.0	m ²		
EXCAVATION AND EARTH WORK TOTAL CARRIED TO BILL NO.2				Rs	
C	<u>CONCRETE WORK</u>				-
	<u>Plain Concrete -1:3:6 (25mm aggregate) -Grade -15</u>				
2C/01	50mm thick concrete screed under column and trench footings.	27.5	m ²		
2C/02	75mm thick concrete in all floor area including pavement.	32.0	m ²		
	<u>Reinforced cement concrete -1 : 1 1/2 : 3 (20mm aggregate) - Grade - 25</u> <u>(Reinforcement measured separately)</u>				
2C/03	300mm thick column footing	1.40	m ³		
2C/04	In column base up to Plinth beam level	0.50	m ³		
2C/05	In column from Plinth beam level up to roof level	1.50	m ³		
2C/06	225mm x 225mm plinth beams at D.P.C. level reinforced with 4 nos 12mm tor bars with 6mm M.S. stirrups at 150 crs (R/F and F/W measured separately)	2.20	m ³		
2C/07	- Ditto - Tie beam	2.2	m ³		
2C/08	In 125mm thick water tank slab	7.2	m ²		
2C/09	-Ditto- 225mmx150mm cement concrete lintol in 1:2:4(20mm) concrete, reinforced with 2nos 12mm tor bars with 6mm M.S. stirrups at 150 crs. Rate to include R/f and F/w .	8.0	m		
	<u>Water Proofing</u>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
	<u>The method of water proofing with the materials proposed to be forwarded with the quotation</u>				
2C/10	Supply and apply "Xypex" or approved equivalent water proofing agent to manufactures specification to bath rooms ,water tank slab , balcony and blind wall.	38.0	m ²		
	<u>Reinforcement</u>				
2C/11	12mm tor steel in column footing	80.0	Kg		
2C/12	12mm tor steel in column	135.0	Kg		
2C/13	12mm tor steel in Plinth beam	165.0	Kg		
2C/14	12mm tor steel in Tie beam	165.0	Kg		
2C/15	6mm mild steel in columns	55.0	Kg		
2C/16	-Ditto - Plinth beam	65.0	Kg		
2C/17	- Ditto - Tie beam	65.0	Kg		
2C/18	10mm water tank slab	70.0	Kg		
	<u>Sawn form work</u>				
2C/19	To sides of plinth beam	20.0	m ²		
2C/20	To vertical sides of coloumn	35.0	m ²		
2C/21	To sides of Tie beam	20.0	m ²		
2C/22	To water tank slab and beam .	9.0	m ²		
CONCRETE WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	
2D	<u>RUBBLE AND BRICK WORK</u>				-
	<u>Rubble work</u>				-
2D/01	Rubble masonry in cement sand mix 1:5 in trench foundation	10.0	m ³		
	<u>Brick work</u>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2D/02	225mm thick brick work in cement sand mix 1:5 in walls	12.0	m ²		
	<u>Cement Block work</u>				
2D/03	100mm thick cement block work in cement sand mix 1:5 in walls (blocks confirming to S.L.S.855 and subject to the approval of sample blocks) .	93.0	m ²		
RUBBLE AND BRICK WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	-
2E	<u>ALUMINIUM DOORS AND WINDOWS</u>				-
	All Aluminium Doors and Windows extrusions shall be powder coated and of approved colour (red colour) , Total thickness of 60 - 80 microns.				-
2E/01	Door type "sd-1" overall size 1200mm x 2400mm high Aluminium framed glazed paneled sliding door , all as per detailed drawing . Rate to include necessary fittings including Stainless steel Door handle,door lock approved make and quality, hinges and barrel bolt etc. as approved by the Engineer. (01No)	3.00	m ²		
2E/02	Door type "d2" overall size 900mm x 2100mm high Aluminum frame Aluminium louver paneled door fanlight on top , all as per detailed drawing and including all necessary fittings. (Door lock approved make and quality , hinges , barrel bolt etc.) as approved by the Engineer. (01 no)	2.00	m ²		
2E/03	Door type "lvd-1" overall size 900mm x 2100mm high Aluminum framed Aluminium louver paneled door , all as per detailed drawing and including all necessary fittings. (Door lock approved make and quality , hinges , barrel bolt etc.) as approved by the Engineer. (01 no)	2.00	m ²		
2E/04	Door type "lvd-2" overall size 825mm x 2400mm high Aluminum frame aluminium swing door with fanlight on top , all as per detailed drawing and including all necessary fittings. (Door lock approved make and quality , hinges , barrel bolt etc.) as approved by the Engineer. (02 no)	4.00	m ²		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

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B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2E/05	Door type "swd-1" overall size 1200mm x 2100mm Aluminum framed Aluminium paneled swing door , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 no)	2.60	m ²		
2E/05	Window type "sw-1" overall size 1200mm x 1200mm Aluminum framed Aluminium sliding window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 no)	1.50	m ²		
2E/06	Window type "fg-1" overall size 3075mm x 2400mm Aluminum framed fixed glazed paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (02 No)	14.80	m ²		
2E/06	Window type "fg-2" overall size 2040mm x 2400mm Aluminum framed fixed glazed paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01Nos)	5.00	m ²		
2E/06	Window type "fg-3" overall size 1360mm x 2400mm Aluminum framed fixed glazed paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01Nos)	3.30	m ²		-
ALUMINIUM DOORS AND WINDOWS TOTAL CARRIED TO BILL				Rs	-
2F	<u>ROOFING WORK</u> <u>Zinc Aluminium Roof</u> Note: All steel surfaces (except Galvanized Iron) to be applied with one coat of anticorrosive & two coats of enamel paint approved by Engineer on cleaned surface. Galvanized Iron to be applied with one coat of primer & two coats of enamel paint approved by Engineer on cleaned surface.				-

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2F/01	Zinc Aluminium corrugated colour bonded AZ -150 roofing sheets (not less than 0.47mm total coated thickness) supplied and fixed on steel frame work (Frame work measured separately) in ground floor .	72.0	m ²		
2F/02	<u>Steel frame work</u> Supply and fixing 63mm x 63mm x 6mm Angle iron rafters fixing on brick wall with rag bolts in 1:2:4(20mm) 225 x 225 x 200mm concrete pad . Rate shall include for prepare surface and applying two coats of marine paint.	32.0	m		
2F/03	Supply and fixing 150mm x 65mm x 2.3mm G I " C" purlin fixing with welded in position as per detail drawing	62.0	m		
	<u>Suspension ceiling</u> Note				
2F/04	Supply and installation of Aluminium powder coated metal ceiling panel 600mm x 600mm x 2mm (colour white) with interlocking. G.I. hot dipped powder coated type frame work. suspension will be G.I. 4mm thick adjustable hanger rod system.ceiling shall be installed in horizontal manner with shallow gap. complete ceiling system to Enginners's approval.	22.5	m ²		
2F/05	Supply and installation of Asbestos ceiling sheet on timber frame work consisting of 100mm x 50mm joists and 50mm x 50mm bearers in building store room , toilet and bath room ceiling. The sheets to be fixed to timber frame work leaving 6mm V groves and 37mm x 37mm Halmilla moulding round the edges where the ceiling meets the walls.	4.8	m ²		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2F/06	Supply and installation of Asbestos ceiling sheet on timber frame work consisting of 100mm x 50mm joists and 50mm x 50mm bearers in building eaves ceiling . The sheets to be fixed to timber frame work leaving 6mm V grooves and 37mm x 37mm Halmilla moulding round the edges where the ceiling meets the walls.	42.0	m ²		
2F/07	Supply , fabricate and installation of Colour Bonded AZ 150 Zinc Aluminium 225mm x 300mm gutters with a coated thickness of 0.47 mm all as per manufactures specification and details drawings in roof. Rate shall include for all necessary specials. (down pipes measured separately)	9.5	m		
2F/08	Supply , fabricate and installation of Colour Bonded AZ 150 Zinc Aluminium down pipe 125mm x 100mm square type with a coated thickness of 0.47mm fixed with G.I. brackets complete with specials and embeded in concrete column connection to external rain water canales.	9.0	m		
2F/09	Supply and fixing 225mm x 25mm timber valance board and bardge board (Ginisapu timber or approved equivalent). Rate to include one coat of wood primer and two coats of enamel paint.	35.0	m		
2F/10	Supply and fixing 0.47mm thick Zn / Al plain sheet flashing (50mm embedded to wall) The width of the flashing should not be less than 600mm.	25.0	m ²		
2F/11	Aluminium white colour (Code RAL - 9003) Composite sheet fascia (4mm thick 1hr fire rated) of approved quality and colour on GI frame work as per fixing details in drawing to engineer's approval . Rate to include supply install 200mm high red colour composite cladding strips around to (Code RAL3000) composit cladding fascia , as per detail drawing No CEYPET / ENG / SK / 0365-A.	35.0	m ²		
ROOFING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	-

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2G	<u>FINISHES WORK</u>				-
2G/01	Laying gauge 500 polythene layer under the floor concrete. (building area)	33.0	m ²		
2G/02	Supply and laying of Ceramic non slip tiles (300mm x 600mm) of approved size quality and design to toilet floor area . Rate to include 12mm thick cement rendering 1:3 to floor before laying tiles and dressing grooves with coloured cement slurry after fixing tiles as directed (Prime cost of Tile Rs 1200.00 per Tile) (ground floor)	7.0	m ²		
2G/03	Supply and laying of Homogeneous non slip tiles (600mm x 600mm) on tile adhesives of approved quality and design to all floor area . Rate to include 12mm thick cement rendering 1:3 to floor before laying tiles and dressing grooves with coloured cement slurry after fixing tiles as directed (Prime cost of a Tile Rs 2200.00 per Tile).	25.0	m ²		
2G/04	- Ditto - 100mm high tile skirtings	21.0	m		
2G/05	Supply and laying of Glazed tiles (300mm x 600mm)of approved size and design to walls of toilets up to 1500mm height. Rate to include 12mm thick cement rendering 1:3 to wall surfaces before fixing tiles and dressing grooves with white cement slurry after fixing as directed. (Prime cost of a Tile Rs 1200.00 per Tile)	23.0	m ²		
2G/06	15mm thick cement sand plaster 1:5 to internal surfaces of walls and columns finished smooth with two coats of wall putty.	125.0	m ²		
2G/07	-Ditto - Preparing reveals not exceeding 300mm wide	70.0	m		
2G/08	15mm thick cement sand plaster 1:5 to external surfaces of walls and columns finished semi rough with wooden	70.0	m ²		
FINISHES WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	-
2H	<u>PLUMBING AND DRAINAGE WORK</u>				-

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
	<u>Cold water installation</u>				
2H/01	50mm diameter Grade 1000 uPVC solvent socketed pipes, with necessary specials, laid in trenches not exceeding 1 m deep,.	6.0	m		
2H/02	50mm diameter Grade 1000uPVC solvent socketed pipes, with necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	6.0	m		
2H/03	32mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	6.0	m		
2H/04	25mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	10.0	m		
2H/05	20mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	30.0	m		
	<u>Soil & Waste water installation</u>				
2H/06	110 mm diameter soil pipe, grade 600, rubber ring socketed uPVC, with all necessary specials, laid from manhole including all necessary excavation not exceeding 1.5M deep, earth work and 375mm x 375mm grade15 concrete backing and haunching at minimum 1.0m intervals.	20.0	m		
2H/07	- Ditto - 50 mm diameter waste pipe	20.0	m		
	<u>Storm water installation</u>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2H/08	110 mm diameter soil pipe, grade 400, rubber ring socketed uPVC, with all necessary specials, laid from manhole including all necessary excavation not exceeding 1.5M deep, earth work and 375 x 375mm grade 15 concrete backing and haunching at minimum 1.0m intervals.	30.0	m		
	<u>Sanitary Fittings and toilet accessories</u> <u>Note</u> (a) Contractor to purchase all items from the agent with agent warranty and invoice. Samples and technical data / catalogue to be submitted and obtained approval from the client before purchasing the materials. (b) All taps and accessories to be Thailand or Malaysian equivalent make (c) All sanitary fittings to be following or equivalent American standard, Rocell or Cotto. (d) All connections to appliances shall be through 20mm diameter chromium plated angle valve and connected to fittings with 20mm diameter chromium plated flexible pipe (Thailand or Malaysian equivalent make) approved by Engineer.				
2H/09	Supply and installation pedestal type ceramic wash basin (white) 22" x 15 " overall size with 20mm dia chromium plated pillar tap and other necessary accessories including water supply and waste water connection . All complete to working order.(Prime cost of wash basin with fitting -Rs 45,000 /= per No)	1.0	nr		
2H/10	Supply and installation of ceramic close couple water closet with " P " or "S" trap dual flush complete with flexible connection, angle valves to the working order.(Prime cost of water closet with fittings -Rs 75,000 /= per No)	2.0	nr		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/11	Supply and Installation of Cromium plated 20mm dia bib tap .(Prime cost of bib tap -Rs 7500 /= per No)	3.0	nr			
2H/12	Supply and installation of bidet shower.(Prime cost of bidet shower with fittings - Rs 4500 /= per No) .	2.0	nr			
2H/13	Supply and installation of 100mm dia stainless steel shower rose.(Prime cost of shower rose with fittings - Rs 4000 /= per No)	1.0	nr			
2H/14	Supply and installation of stainless steel towel rail .(Prime cost of stainless steel towel holder with fittings -Rs 6500 /= per No)	2.0	nr			
2H/15	Supply and installation of stainless steel soap tray .(Prime cost of stainless steel soap tray with fittings Rs 3000 /= per No)	2.0	nr			
2H/16	Supply and installation of 20mm dia concealed valve.(Prime cost of 20mm dia concealed valve -Rs 5000/= per No)	1.0	nr			
2H/17	Supply and installation of mirror 450mm dia .(Prime cost of mirror 450mm dia - Rs5000 /= per No)	2.0	nr			
2H/18	Supply and installation of 20mm dia garden tap .(Prime cost of 20mm dia garden tap - Rs 2500 /= per No)	1.0	nr			
2H/19	Supply and installation of upward folding support bar fix to wall.(2' 0" long)	1.0	nr			
2H/20	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.0	nr			
2H/21	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.0	nr			
	<u>Gate valves</u>					
2H/22	20mm dia gate valves(Prime cost of 20mm dia gate valves - Rs 3000 /= per No)	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2H/23	32mm dia gate valves (Prime cost of 32mm dia gate valves - Rs 5000 /= per No)	1.0	nr		
2H/24	25mm dia ball valve(Prime cost of 25mm dia ball valve - Rs 5000 /= per No)	1.0	nr		
2H/25	25 mm dia non return valve(Prime cost of 25 mm dia non return valve - Rs 3500 /= per No)	1.0	nr		
	<u>Builders works</u>				
2H/26	150 mm x 150 mm x 125 mm deep injection moulded PVC floor trap (catchpit) with stainless steel grating on top and set in concrete and connected to waste water lines.	3.0	nr		
2H/27	Waste water gully internal size 225mm x 225mm x300mm deep in concrete floor and wall including 125mm thick grade 20 concrete and 16mm thick 1:3 rendering to all exposed surfaces and finished smooth with neat cement float. Rate to include for necessary earthwork , formwork and cover slab etc.	3.0	nr		
2H/28	Sewer manhole 450x 450mm and average depth not exceeding 500mm internally with and including all necessary excavation, earthwork, 160mm thick grade '20 concrete base, one brick thick brick walls, cement plasterwork, grade 20 rebated concrete pad on 10mm diameter tor steel bars at 150 mm crs. Bothways . Rate to include for cover slab s with lifting hooks.	2.0	nr		
2H/29	Strom water manhole 450 x 450mm and average depth not exceeding 450mm internally with and including all necessary excavation, earthwork, 125mm thick grade '20 concrete manhole base , walls and top cover slab reinforced with 10mm diameter tor steel bars at 150 mm crs. Bothways . Rate to include for concrete cover slab with lifting hooks.	3.0	nr		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2H/30	1200mm dia and 2400mm deep (internal) waste water soakage pit. The pit wall to be built in 225 brick work in cement with 1:5 alternate open joints as directed. rate to include 125mm thick concrete cover slab 1:2:4 (20)r/f with 12 mm dia tor bars at 150mm crs. bothways, and 16mm thick cement rendering 1:3 finish smooth. provide for in to 225x225mm concrete 1:2:4 (20mm) rebated pad to accomodate the cover	1.0	nr		
2H/31	1800x900x1650 (internal)septic tank with 1200x900x1650 (internal) attached soakage pit as shown in drawing. The septic tank base to be in 150mm thick concrete 1:2:4(20) r/f with 10mm dia. Tor bars at 200 crs. bothways. 225mm brick work in cement 1:5. 75mm thick R.C.C. cover slab reinforced as shown in drawing including cement rendering 1:3 finished smooth. 225x225 R.C.C. ring beam under soakage pit, 2 Nos.100mm dia. G.S.W. tees and 10mm thick cement rendering 1:3 with 5% pudlo to all internal surfaces of septic tank finished smooth. Rate to include for excavation, back filling and disposing surplus earth as directed.	1.0	nr		
2H/32	Supply and install plastishell 2000 Litr. water tank over the concrete toilet roof slab. Approved by the engineer.	1.0	nr		
PLUMBING AND DRAINAGE WORK TOTAL CARRIED TO BILL NO.2				Rs	-
2J/-	<u>ELECTRICAL INSTALLATION</u> <u>Note</u> - Electrical line diagram given are typical, changers may require in carrying out actual work. Contractor shall prepare the correct line diagram based on this typical balancing phase drawing work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000) The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations				

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/01	All Switches and Socket outlets shall be plated type make "Clipsal, Orange, ACL " or any other approval equivalent complying to SLS 1000:1993 for switches & SLS 1998:1991 for Socket outlets					
	PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216					
	All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs					
	All MCBs, RCCBs shall come with minimum of 10 years of warranty period.					
	All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period					
	<u>Supply , install and wire the following Main Distribution Board (MDB)</u>					
	TP & N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, live bus bars, 6 nos pilot lamps (R,Y,B) insulated for CEB & Gen sides, comb busbar and incorporating din rail type, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD)					
	<u>Incoming Circuit Breakers</u>					
	01 Nos. 32A, 4P MCCB (18kA fault level) 02 No. 32A, 4P MCCB Automatic mains failure (AMF) and automatic load transfer switch (ATS) switchgear with Mechanical & Electrical Interlock for automatic transfer of load from CEB supply to Diesel Generator and vice versa All control circuits, control cables, contractors, relays etc. shall be included					
	<u>Outgoing Circuit Breakers</u>					
	01 Nos. 32A, 4P MCCB (18kA fault level) 01 No. 40A, 4P RCCB 300mA sensitivity 01 No. 2P 32 A MCB Type C 01 No. 4P 25A MCB Type C 01 No. 4P 20A MCB Type C	1.00	nr			

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/02	<u>Supply , install and wire the following Distribution Board (DB1)-Building & Canopy</u> SP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamp (R or Y or B) Indicator bulb) with protection 1No 32A 2pole MCB, 10KA, Type C 01 No. 40A, 2-Pole RCCB 30mA 04 No. 6A 1-Pole MCB 10kA 02 No. 10A 1-Pole MCB 10kA 02 No.16A 1-Pole MCB 10kA	1.00	nr		
2J/03	<u>Supply , install and wire the following Distribution Board (DB2)-Fuel Terminal Pumps</u> <u>Supply , install and wire the following Distribution Board (DB2)</u> TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamps (R,Y,B Indicator bulbs) with protection 01 No. 25A 4-pole MCB Type C 03 No. 25A, 2-pole MCB 10kA 06 No. 16A 2-Pole MCB typC 03 No. 20A, 2-Pole RCCB 100mA <u>Point wiring including switches (Luminaries measured separately)</u>	1.00	nr		
2J/04	Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm² Cu/ PVC/PVC+2.5 mm² CU/PVC/PVC earth cable in concealed PVC conduits	29.00	nr		
2J/05	Logo point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm² Cu/ PVC/PVC + 2.5mm² CU/PVC earth Cable in concealed PVC conduits	1.00	nr		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/06	Ceiling fan points wire through regulator & 10Amp sunk switch using 2x1Cx1.0mm ² Cu/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduits	1.00	nr		
2J/07	Wall fan points wire using 2x1Cx1.0mm ² Cu/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduits <u>Supply Install & wire the following</u>	1.00	nr		
2J/08	- Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 4 number fo socket outlets) Socket outlets are included	1.00	nr		
2J/09	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 2 number fo socket outlets) Socket outlets are included	1.00	nr		
2J/10	Yard light point wired from 20 A double pole indicator switch using 2C x 1 x 1.5mm ² Cu/PVC /SWA/PVC copper cable installed minium 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and backfilling.Allow for a G.I conduit where the cable has to go through a concrete				
	(a) . 20A double pole indicator switch	4.00	nr		
	(b) . For the wiring	90.00	m		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/11	Supply for signage tower wire from double using 2C x 1 x 1.5mm ² Cu/PVC/SWA/PVC installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete				
	(a) . 20A double pole indicator switch	1.00	nr		
	(b) . For the wiring	32.00	m		
2J/12	Supply for air tower wire 2CX1x1.5 mm ² CU/PVC/SWA/PVC to a weather proof outlet using necessary sunk boxes etc. to a suitable point near air tower installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete <u>Armoured cable shall be properly connect with the earth.</u>				
	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.00	nr		
	(b) . For the wiring	20.00	m		
2J/13	Air compressor wired through a 20A 4pole MCB, 10kA in the DB1 using 4Cx4mm ² Cu/PVC/PVC +4mm ² CU/PVC earth wire in PVC conduit				
	(a) . 20A 4 pole MCB Type C+20A 4 Pole RCCB 100mA in Transparent polycarbonate enclosure	1.00	nr		
	(b) . For the wiring	10.00	m		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/14	Supply for LAD Pump light bulb wire using 2C x 1 x 1.5mm² Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly connect with the earth.</u> (a) . 10A one gang one way switch with weather proof cover (IP65) (b) . For the wiring <u>Supply, install and connect for fuel pump terminals</u>	1.00	nr		
		28.00	m		
2J/15	2Cx 1 x 2.5mm² CU/PVC/SWA/PVC underground cable installed minimum 2ft below the finished floor level and terminated to a petroleum resistive terminal. Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly with the earth.</u> <u>Light Fittings</u> Supply and installation of following light fittings. Light fitting shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to the installation. All LED bulbs shall carry minimum of 2 years warranty warranty cards shall be handed over once the installation is completed	####	m		

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/16	100W LED High Bay Light fitting, IP65, water proof, 180-250VAC operating voltage, 50hZ, Power factor more than 0.9, Colour 6500K, CRI shall be more than 80, with Aluminium cover & required accessories such as stell rod to bolt/ weld the light fitting to the roof steel purlin. Further, a safety stainless steel rope/ chain shall be fixed to the light fitting via the roof steel purlin to avoid fitting faaling down.(Prime cost of 100W High Bay lamp fitting with similar specification is Rs.10,500/-)	12.00	nr			
2J/17	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQURE TYPE) for sales office, workers rest, electrical generator room , store room.	5.00	nr			
2J/18	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	4.00	nr			
2J/19	Supply and installation of sofit mountlamp fitting comprising, 12W LED lamp of square type (day light) and all other accessories required for toilet, bathroom & stores	4.00	nr			
2J/20	Weather Proof pendant lamp fitting with 15W LED daylight bulb for LAD pump terminal	1.00	nr			
2J/21	Weather proof (IP 65) bulk head light fitting with 15W LED daylight for outsie of the main building and outside of deseble toilet.	9.00	nr			
	<u>FANS</u>					

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/22	Supply & installation of 56" sweep ceiling fan (European/Japanese make), minimum 165 CMM, complete with regulator, fan hook, extension rod & attachment - Guarantee cards should be provided from accredited agent.	1.00	nr		
2J/23	Note: Ceiling fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards to be submitted before the installation. Supply & installation of 16" wall fan (European/Japanese make), complete with all accessories, Guarantee cards should be provided from accredited agent. Note : Wall fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards to be submitted before the installation.	1.00	nr		
2J/24	<u>Supply, install and Wire Following Earth Electrode</u> provide an earth electrode using 16mm diameter Copper rod of 4.0m length and copper earth 6mm² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms.	1.00	item		
2J/25	provide an earth electrode using 16mm diameter Cu rod of 4.0m length and copper earth 6mm² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms. (For TWO Unloading Point)	1.00	item		
2J/26	<u>Supply, Connect and install the Following Cables</u> 1x4Cx10 mm² CU/PVC/PVC Cable from CEB Meter to MDB in concealed PVC conduit	5.00	m		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/27	2Cx6mm ² CU/PVC/PVC cable & 1 x 6mm ² copper earth cable from MDB to DB1 in recessed PVC conduit	7.00	m		
2J/28	1x4Cx4mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from MDB to DB2 in PVC conduit	10.00	m		
2J/29	1x4Cx10mm ² CU/PVC/PVC cable from Generator to MDB	15.00	m		
2J/30	<u>GI Pipe to fix LED street light</u> Supply and install yard light pole in 75mm dia. Medium duty G.I. pipe 6m above the ground level to fix the LED street light fitting	4.00	nr		
2J/31	<u>Inspection & Testing</u> Testing the entire installation and rectify any defects and submit a certificate by a chartered electrical engineer for electrical installation	1.00	item		-
ELECTRICAL INSTALLATION TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs.	-
2K	<u>PAINTING</u>				
2K/01	Prepare surface and apply one coat of approved primer and two coats of master palatte emulsion paint of an approved colour and quality to internal wall surfaces including reveals in building	125.0	m ²		
2K/02	Prepare surface and apply one coat of acrylic primer and two coats of master palatte weather shiled paint of an approved colour and quality to external wall surfaces including reveals in building	70.0	m ²		
2K/03	Prepare surface and apply one coat of approved primer and two coats of emulsion paint of an approved colour and quality to all ceiling surfaces.	48.0	m ²		-

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
PAINTING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs		

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B.O.Q. No. 2026/KAR/19 / 02 .



BILL 02 - BUILDING WORKS

S U M M A R Y

ITEM	DESCRIPTION	AMOUNT
2A	DEMOLITION AND CLEARING	
2B	EXCAVATION AND EARTH WORK	
2C	CONCRETE WORK	
2D	RUBBLE AND BRICK WORK	
2E	ALUMINIUM DOORS AND WINDOWS	
2F	ROOFING WORK	
2G	FINISHES WORK	
2H	PLUMBING AND DRAINAGE WORK	
2J	ELECTRICAL INSTALLATION	
2K	PAINTING	
TOTAL CARRIED TO MAIN SUMMARY		Rs.

BILL OF QUANTITIES

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JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR/19 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
3A	<u>BILL NO- 03 - CONSTRUCTION OF CANOPY EXCAVATION AND EARTH WORK</u>				
3A/01	Excavation for column pits depth not exceeding 1.0m from finished ground level.	18.00	m ³		
3A/02	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated (if necessary)	14.00	m ³		
3B	<u>CONCRETE WORK</u>				
	<u>Plain concrete -1:3:6 (25mm aggregate)- Grade -15</u>				
3B/01	50mm thick concrete screed under column footings.	9.00	m ²		
	<u>Reinforced cement concrete -1 : 1 1/2 : 3 (20mm aggregate) - Grade - 25</u> (Reinforcement measured separately)				
3B/02	300mm thick column footings	2.20	m ³		
3B/03	In column base up to ground level	0.78	m ³		
3B/04	- Deitto - In column ground up to roof level	3.00	m ³		
	<u>Reinforcement</u>				
3B/05	12mm tor steel in column footing	150.0	kg		
3B/06	16mm tor steel in column	550.0	kg		
3B/07	6mm mild steel in columns	130.0	kg		
	<u>Formwork</u>				
3B/08	To vertical sides of coloumn	50.0	m ²		
	<u>Pump Island</u>				
3B/09	750mm wide 300mm high pump Island in 100mm block or half brick walls filled with river sand and 75mm thick 1:3:6 (25m) concrete on top finished with black Ceramic tiles of approved size and design to pump bed . Rate to include 12mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as directed	8.0	m		

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B.O.Q. No. 2026 /KAR/19 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C	ZINC ALUMINIUM ROOFING IN CANOPY					
3C/01	Supply and fixing of Zinc Aluminium corrugated colour bonded AZ- 150 roofing sheets of approved profile (not less than 0.47mm total coated thickness), approved quality and colour on steel frame work as shown in drawing in canopy (Frame work measured separately)	230.0	m ²			
3C/03	Aluminium white colour (Code RAL - 9003) Composite sheet fascia (4mm thick 1hr fire rated) of approved quality and colour on GI frame work as per fixing details in drawing to engineer's approval (Frame work measured separately) . Rate to include supply install 200mm high red colour composite cladding strips around to (Code RAL3000) composit cladding fascia , as per detailed drawing No CEYPET / ENG / SK / 0365-A.	60.0	m ²			
3C/04	Approved 4mm thick 1 hr fire rated mineral core Aluminium Composite panel , Alpolic or similar material including necessary 100x20x2mm and 60x30x2mm Galvernized "C" channel frame work to detail and approval around columns	60.0	m ²			
3C/05	Colour Bonded Zinc Aluminium 300mm x 225mm gutters with a coated thickness of 0.47 mm all as per manufactures specification and details drawings in roof. Rate shall include for all necessary specials. (down pipes measured separately)	17.0	m			
3C/06	Colour Bonded Zinc Aluminium down pipe 125mm x 125mm square type with a coated thickness of 0.47mm fixed with G.I. brackets complete with specials and embedded in concrete column connection to external rain water canales.	20.0	m			
3C/07	Supply and fixing 0.47mm Zn / Al plain sheet flashing to canopy roof . The width of the flashing should not be less than 600mm	40.0	m ²			

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B.O.Q. No. 2026 /KAR/19 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
3C/08	Supply and fixing 200mm x 133mm (25kg/m) universal beam in canopy roof as shown in drawing. Rate to include paint to detail	30.0	m		
3C/10	- Ditto - 150mm x 65mm x 2.3mm galvanized lip channel as in detail drawing	200.0	m		
3C/11	<u>Fascia of canopy</u> Supply and fixing of GI rectangular hollow section (RHS) 50mm x 25mm x 2mm thick, including cutting, welding, grinding, surface preparation in canopy fascia frame as per detailed drawings and Engineer's instructions. Rate to include paint to detail above.	180.0	m		
3C/12	Supply and fixing 16mm thick 350 x 350mm base plate on top of column	4.0	nr		
3C/13	16mm J bolts embeded on top of coloumn	32.0	nr		
3C/14	Supply , fabricate and fixing 63mm dia Heavy duty GI pipe pump guard as per detail drawing CEYPET/ENG/SK/0060 and as directed	8.0	nr		
3D/-	<u>ELECTRICAL WORK</u>				
3D/01	Supply and installation of LED strip light (IP65) around the fascia (inside the red colour PVC new fascia) of the main canopy and water proofed, colour 'Red' (3 nos strips : top, middle and bottom) as per the drawing CEYPET / ENG / SK/ 0440. LED strip light shall have minimum 2 years warranty period. LED strip light shall have minimum 2 years warranty period	60.00	m		
3D/02	Supply, fabricate and install double side light box of (Size 1200mmx150mmx400mm). As per the Sketch No Ceypet/0437 With 18 watt waterproof LED light inside .	4.00	nr		

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B.O.Q. No. 2026 /KAR/19 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
3D/03	Lockable drawer unit integrated into cladded column, finished with matching cladding material. Designed as a temporary cash storage facility . Drawer fitted with smooth sliding rails, secure locking mechanism as per the Sketch No Ceypet/0437.	4.00	nr		
<u>Supply , Fabricate and Installation of Logo, Lettering</u>					
3D/04	Supply , fabricate & installation of 900mm dia 75mm wide logo circular frame & figure with 3 mm white Perspex sheet completed with colour stickers & light fittings, as per detailed drawing No CEYPET / ENG/ SK/0365-B	1.00	item		
3D/05	Supply , fabricate & installation of 400mm high red colour perspex sheet Boxed type letters finished with 75mm thick embossed as per detailed drawing No CEYPET / ENG/ SK/0365-B	1.00	item		
CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-	-

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026/KAR / 19 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
BILL NO- 04 - DRIVE WAY & MISCELLANEOUS WORK					
4A	<u>DRIVE WAY</u>				
	Paving Blocks				
	Notes				
	Paving blocks should be purchased from a well reputed manufacturer and should have at least compressive strength equivalent to Grade 30 concrete.(Test report to be submitted) The colour should be absolute black size of the paving stone should be 220mm x 110mm and height 80mm				
4A/01	Paving stone should be supplied and placed on 50mm (min) sand bedding on the well compacted soil to the specified slope. Edges of the paving should be finished with mass concrete equivalent to paving stone strength.	930.0	m ²		
4A/02	Supply and fixing 900mm x 150mm x 225 mm Precast cement kerbs to detail with all necessary excavation, formwork and concrete etc.	20.0	m		
4A/03	Supply, spread and compact to approved density graded aggregate base course (A B C) using 37.5mm aggregate .	200.0	m ³		
4A/04	Cutting and Demolishing 150mm thick existing RCC / Tar surface of driveway . Rate to include carting away of demolished materials.	10.0	m ²		
	Retaining wall				
4A/05	Excavation , level and remove existing gravel floor average hight 1.2m above ground level. Rate shall includes loading , transporting, and disposing of all surplus excavated material away from site to a place provided by the contractor as per engineers' approval.	300.0	m ³		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026/KAR / 19 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
4A/06	Excavation in foundation for RCC retaining wall in any type of soil except rock requiring blasting and removal on completion , Depth not exceeding 1.0m	40.00	m ³		
	<u>Earthwork support</u>				
4A/07	Earthwork support for RCC retaining wall , depth not exceeding 1.2m from existing ground level.	40.00	m ²		
	<u>Weep hole</u>				
4A/08	Supply and installing of 90mm dia type 400 uPVC pipes weep holes at 1500mm x 1500mm grid with a 50mm and 18mm metal filter as per detailed drawing.	30.00	nr		
	<u>Plain Concrete - Grade -20.</u>				
4A/09	To 75mm thick concrete screed under retaining wall footings.	40.00	m ²		
	<u>Reinforced cement concrete - Grade - 25</u>				
	<u>(Reinforcement measured separately)</u>				
4A/10	To 150mm thick retaining wall footing	4.00	m ³		
4A/11	To 100mm thick wall concrete (Below Ground level)	4.00	m ³		
4A/12	To 100mm thick wall concrete (Above Ground level)	5.50	m ³		
	<u>Reinforcement</u>				
4A/13	To 10mm tor steel in retaining wall	#####	Kg		
	<u>Form work</u>				
4A/14	To sides of retaining wall	200.00	m ²		
4A/15	Prepare surface and applying one coat of approved primer and two coats of emulsion paint of an approved colour and quality to existing Boundary wall surfaces.	120.0	m ²		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026/KAR / 19 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
	<u>Repair to Manhole</u> Note:- <u>Water proofing of manholes should be done according to the following specifications.</u> a). All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant . b). All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.) (c). Water proofing to be given to reputed agent with 5 years guarantee .				
4A/16	Demolishing existing fuel tank manhole and Supply , fabricate and installation of (Approximately) 750mm x 750mm x 900mm deep (internally) under ground fuel tank manhole complete with 12mm thick MS plate manhole cover 750mm x 750mm and frame including 2 Nos Liftings hooks. 150mm thick reinforced 1:1 1/2:3 (20mm) concrete wall with 10mm tor steel bars at 200mm c/c to be welded at top of the M/S plate up to manhole top and bind 10mm tor steel bars at 200mm c/c horizontally .All surfaces of walls to be plastered and finished smooth with neat cement and applied with water proofing epoxy paint ensuring no water leak inside. All works to be done as per detailed drawing no CEYPET /ENG/0511	2.0	nr		
4A/17	<u>Fuel dispensing pipe lines</u> Supply and laying 40mm (1 1/2") dia GI heavy duty pipe from underground tank to dispensing pump. Rate to include all bends tank top valve and accessories / fittings as required based on the shop drawing prepared by the contractor and approved by the Engineer , 300 mm wide 450mm deep trench excavation and back filing with river sand and compacted to approval	120.0	m		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026/KAR / 19 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
4A/18	- Ditto - vent pipe . Rate to include apply one coat of primer and two coats of enamel paint as approved by Engineer	85.0	m		
4A/19	- Ditto - 75mm dia GI heavy duty unloading pipe . Rate to include apply one coat of primer and two coats of enamel paint as approved by Engineer.	85.0	m		
4A/20	Supply and fixing of Tank top valve (brass) with one year warranty to connect pipeline as approved by the Engineer.	7.0	nr		
4B/-	<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>				
	a). Base for signage shall be 5'-0" x4'-0"x4'-0" deep grade 25 concrete, reinforced with 16mm and 12mm tor steel, with 20mm thread bars to fix the body using galvanized nuts & bolts. Body should be fixed using 20mm thick mild steel plates (size varies according to the size of base) The plates should be concealed.				
	b). Double sided signage will have a 4" "U" channels fixed to both sides of the pylon reinforced with 1"x2" square tubes (2Nos. On each side) to mount the cladding and with 2"x2"x6mm angle iron horizontal bracings at 18" intervals on both sides of the structure with an additional 1"x6mm thick mild steel flat iron, bent to required shape to hold the cladding.				
	c). 4'-0" diameter circular pylon head structure (logo supporting structure) to be manufactured with 1 1/2" x 3/8" thick flat iron circles (2 Nos) braced at 8 points around the flat iron with same size flat iron. This structure will be fixed to the pylon structure via a 4" diameter G.I. hollow pipe, (Heavy duty)spray painted fixed with nuts and bolts.				
	<u>The entire steel frame structure to be hot dipped galvanized.</u>				
	d). No drilling or welding to be carried out after galvanizing process is completed.				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026/KAR / 19 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
	e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work. f). All illuminated sections of the pylon to be (Company logo) fabricated using 3mm acrylic (perspex) sheets with the embossed figure at the center and wording at edges as specified from the same material. g). The Signage should be provided with adequate lighting by use of 3Nos 18w 2'-0" florescent lights (European make with 2 Year warranty) wired separately from the bottom to top through conduits. External illumination should be provided with 2 Nos Assymmetrical type flood lamps with 250w mercury vapour lamp (1P 65) fix to the top of the structure. Wiring to be done with 2 x 1C x 1 mm² cu/ PVC/ wire. with a suitable way to the Engineer's satisfaction with a supportive structure. All materials including conduit (under ground) and wiring from the available supply point (approximately 50m) to be included in the rate. i). Letters to be with PVC luminous stickers on the colour bonded sheets as per the font, letter type, colour and wording given by the CPC j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive. k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation. l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication. m). The successful tender should submit a guarantee for a minimum period of 10 years for anticorrosion of structure stability, and 05 years warranty to the colours of PVC stickers.				
	n). The rate shall include for the transporting handling and all other involvement in the erection signages at outstations. The proposed outstations are attached herewith.				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026/KAR / 19 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
4B/01	Supply ,fabricate and install of 1200mm x 5500mm double sided pylon signage as per specification and detailed drawing	1.0	nr		-
DRIVE WAY & MISCELLANEOUS WORK TOTAL CARRIED TO MAIN SUMMARY				RS-	-

B.O.O. No. 2026/KAR /19 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
	BILL NO- 05- CONSTRUCTION OF SINGLE CANOPY				
5A/	CONSTRUCTION OF SINGLE CANOPY				
	<u>Notes</u> The rates quoted by the tenderer should include for the followings items. <u>Foundation (02 Nos.):-</u>				
a	Excavation, 450mm x 450mm x 900mm deep and 300mm thick 1:2:4 (20mm)concrete base as shown in drawing No-CEYPET/ENG/SK/0021.		Note		
	<u>Canopy post (2Nos)</u>				
b	Canopy post 75mm diameter G.I (Medium duty) Pipe welded to 10mm thick MS base plate embeded in the painted to 1:2:4 (20mm) concrete foundation . Rate to include spray painted to manufacturers specifications. As shown in drawing. No-CEYPET/ENG/SK/0021.		Note		
	<u>Roof work</u>				
c	Suppy & Fixing Zinc Aluninium colour bonded roofing sheets(not less than 0.47mm total coated thickness) on steel frame work which include all neccessay angle iron (25mm x25mmx 6mm) structural frame work as shown in drawing. <i>Rate will also include for applying two coats of anticorrosive paint as per the description under 'Painting of Steel' in the Main Canopy BOQ.</i>		Note		
	<u>Fascia</u>				
d	Aluminium Composite sheets fascia,alpolic or equivalent, similar material mineral core (4mm thick one hour fire rated)of approved quality and colour on G.I frame work as per fixing details in drawing to engineer's approval.		Note		
	<u>Ceiling</u>				
e	Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing		Note		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB - RE - CONSTRUCTION OF L F S KARALIYADDA

B.O.Q. No. 2026/KAR/19 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
f	<u>Light fittings</u> The single canopy should be provided with adequate lighting by use of 2 nos. fluorescent lights fittings complete with 600mm fluorescent bulb complete with diffuser etc.. wired to the inside of the top section through a 5 AMP sunk switch. Wiring should be done with 2x1c x 1.13 PVC insulated copper conductor & 1x1c x 7/0.67 PVC insulated copper earth conductor through 1000g water tight PVC conduit. All materials including conduit (under ground) and wiring from the available supply point (approximately 25m) to be provided.		Note		
g	The rate will include for fabricate, installing single canopy .The proposed locations are given below.		Note		
5A/01	Fabricate, supply & install single canopy as per specification & detail drawing no .CEYPET/ENG/SK/0021	2.0	nr		
5A/02	2000mm long 1000mm wide 300mm high pump Island in 100mm Block or half brick walls filled with river sand and 75mm thick 1:3:6 (25m) concrete on top finished with black Ceramic tiles of approved size and design to pump bed rate to include 12mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as shown in drawing no - CEYPET/ENG/SK/0021	4.0	m		
5A/03	Supply , fabricating and installing G.I pump guard. Using 65mm Dia G.I (Medium duty) 3.6mm thick pipes fixed to 6mm thick MS plate by (size 150x 150mm) with 4Nos 12mm Dia rag bolts and placed in 1:2:4(20) concrete base.(200x 200x 150mm) .Rate to include excavation , form work , and applying two coat of primer and one coat of enamel paint to G.I pipes as per detail drawing No CEYPET/ENG/SK/0060 given below.				
5A/03.	Pump guard 1800mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	3.0	nr		
5A/03.	Pump guard 900mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	4.0	nr		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB - RE - CONSTRUCTION OF L F S KARALIYADDA

B.O.Q. No. 2026/KAR /19 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
SINGLE CANOPY TOTAL CARRIED TO MAIN SUMMARY					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.

Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
6/-	<u>BILL NO- 06 - TANK INSTALLATION OF 04 NOS 3000 GALLON UNDER GROUND TANK</u> <u>Important Note</u> The contractor shall purchase a new 3000 gallon tank from a reputed manufacturer, ensuring compliance with CPC standards and adherence to relevant quality assurance requirements. It is contractor's responsibility to clean the inside of the tank after installation. " Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG32017 Allowance of 2 feet working space shall be considered in measurement <u>Construction sequence for underground tank installation</u> (1) The contractor should strictly follow the below mentioned sequence for construction of RCC tank chamber and installation of the steel tank inside the chamber. (2)Excavation for tank pit (3)Base concrete with approved water proofing admixture (make two water access holes 300mmx300mm at two opposite corners of the base concrete to avoid any upthrust impose). i.e These holes are not to be concreted when the base is concreted. (4) Outer wall concrete with approved water proofing admixture (5) concrete curing for 21 days. (6) Tank installation (water access holes should be filled with concrete of the same Grade and water proofed a little time before the tank installation (7)Backfilling with sand the inside bottom part of the camber					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.

Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(8) Backfilling with soil inside and outside of the chamber					
	<u>Tank Pit Excavation</u>					
6/01	Excavation in tank pit in any type of soil except rock requiring blasting .	310.00	m3			
	<u>Shoring</u>					
6/02	Timber shoring 50mm thick including frame work where necessary. As per instruction by site Engineer . Measurment will be taken on nett surface of timber planks	145.00	m2			
	<u>Dewatering</u>					
6/03	Allow for dewatering underground water in any area during the period of construction.	1.00	Item			
	<u>Sand filling</u>					
6/04	River sand filling to a height of 3'6" above base concrete slab.	52.00	m3			
	<u>Excess Earth</u>					
6/05	To transport excavated excess earth away from site to a location provided by the contractor .	145.00	m3			
	<u>Hard earth filling</u>					
6/06	Approved dry earth filling selected from site (above sand filling) spread in layers not exceeding 6" at anytime, watered well rammed & consolidated.	175.00	m3			
	<u>Polythene</u>					
6/07	500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab and top concrete . Rate shall include for upstand to sides and corners not exceeding 6" in height .	76.00	m2			
	<u>Concrete work</u>					
6/08	75mm thick 1:3:6 (25 aggregate) - Grade - 15 mass concrete under the tank baase.	76.00	m2			
6/09	150mm R.C.C 1:1 1/2:3 (20mm) - Grade 25 in tank concrete top slab reinforced with 10mm dia .Tor bars at 200mm centers both ways. (Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	12.00	m3			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.

Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
6/10	150mm R.C.C 1:1 1/2:3(20mm) - Grade 25 in tank concrete base slab reinforced with 10mm dia . Tor bars two layers (Top and bottom) at 225mm centers both ways. Rate to include for 150mm x 150mm concrete runners. (Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	12.00	m3			
6/11	150mm R.C.C 1:1 1/2:3(20mm) - Grade 25 in tank concrete walls reinforced with 10mm dia . Tor bars at 225mm centers both ways . (Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	24.00	m3			
	<u>Form work</u>					
6/12	Form work to sides of walls ,cover slabs,edges for tank pit .	325.00	m2			
	<u>Reinforcement</u>					
6/13	Supplying fixing or laying 3/8" tor bars in R.C.C base slab ,walls and top slab	2,400.00	Kg			
	<u>Fabric Mesh</u>					
6/14	BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)	75.00	m2			
	<u>Under Ground Fuel Tank Manhole</u>					
	Note-: Water proofing should be done according to the following specifications. a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant . b)All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.) (c)Water proofing to be given to reputed agent with 5 years guarantee .					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026 /KAR /19 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.

Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
6/15	Supply , fabricate and installing of (Approximately) 750mm x 750mm x 900mm deep (internally) under ground fuel tank manhole complete with 12mm thick MS plate manhole cover 750mm x 750mm and frame including 2 Nos Liftings hooks. 150mm thick reinforced 1:11/2:3 (20mm) concrete wall with 10mm tor steel bars at 200mm c/c to be welded at top of the M/S plate up to manhole top and bind 10mm tor steel bars at 200mm c/c horizontally .All surfaces of walls to be plastered and finished smooth with neat cement and applied with water proofing epoxy paint ensuring no water leak inside. All works to be done as per detail drawing no CEYPET /ENG/0511	4.00	nr			
6/16	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	4.00	nr			
6/17	Supply , Fabricate , transport and Installation of 3000 Gallon under ground fuel tank (as per the CPC Standard and attached specification) with necessary accessories (straps and bolts etc.) CPC , standard as shown in drawing . Rate to incldes tank transport and all handling charges.	4.00	nr			
	TOTAL AMOUNT IN 04 NOS TANK			RS-		-

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. KARALIYADDA

B.O.Q. No. 2026/KAR /19

MAIN SUMMARY

BILL NO- 01 - PRELIMINARIES	Rs
BILL NO- 02 - BUILDING WORKS	Rs
BILL NO- 03 - CONSTRUCTION OF CANOPY	Rs
BILL NO- 04 - DRIVE WAY & MISCELLANEOUS WORK	Rs
BILL NO- 05- CONSTRUCTION OF SINGLE CANOPY	Rs
BILL NO- 06 - TANK INSTALLATION OF 04 NOS 3000 GALLON	RS-

SUB TOTAL 01	Rs
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LESS PROVISIONAL SUM	Rs
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SUB TOTAL 02	Rs
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LESS DISCOUNT (If any)	Rs
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SUB TOTAL 03	Rs
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LESS CREDIT ON SALVAGE MATERIAL	Rs
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SUB TOTAL 04	Rs
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ADD PROVISION SUM	Rs
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SUB TOTAL 05	Rs
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ADD (2.5% .SSCL)	Rs
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SUB TOTAL 06	Rs
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ADD (18% VAT)	Rs
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TOTAL WITH TAXES	Rs
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Total amount in words

Name of Tenderer

VAT Registration No :-

Address

.....

.....

Date

.....

Signature of Tenderer

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH /18/ 01 - PRELIMINARIES



ITEM REF.		QTY.	UNIT	UNIT RATE	TOTAL PRICE RUPEES
1/-	BILL NO - 01 - PRELIMINARIES				
1A/01	Allow lump sum for providing Security Bonds , guarantees etc.		item		
1A/02	Allow lump sum for providing a performance Bonds .		item		
1A/03	Provide Lump Sum to construct good quality office with good ventilation for Client / Consultant staff (approx. 15 m2)and to provide two chairs and one table.		item		
1A/04	Provide Lump Sum to construct water tight shed equipment and maintain temporary buildings for protection and storage of materials , plant and workshops.		item		
1A/05	Allow lump sum for temporary sanitary accommodation of site for the contractor's staff and workmen.		item		
1A/06	'Allow lump sum for construct good quality lockable hut for cash office / store for the filling station staff(approx. 24m2)		item		
1A/07	"Allow lump sum for providing erection of temporary site office for contractor with electricity , water supply waste and drainage facilities (approx. 20 m2)		item		
1A/08	Allow lump sum for supplying water for use during construction . It shall be the responsibility of the contractor to find the source of supply and storage facilities and internal arrangement and payment for consumption to authorities.		item		
1A/09	'Allow lump sum for supplying temporary electricity to the site for the works including obtaining connection internal arrangement and payment to authorities.		item		
1A/10	Allow lump sum for setting out of the Works .		item		
TO BILL NO. 01 CARRIED TO MAIN SUMMARY				RS	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH/18 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
BILL NO - 02 - BUILDING WORKS					
2A	<u>DEMOLITION AND CLEARING</u>				
	Note				
	a) Contractor shall allow for clearing the site during construction and upon completion, including removal of all rubbish and debris, and leaving the building clean both internally and externally. All such debris shall be removed from the site to a disposal location arranged by the contractor				
	b) Contractor to quote a price for removing all salvage item (in the main summary) which will consist of all building materials in the building except electrical items , Hoist , Pump guard , single canopy , pipe lines and cable etc.				
2A/01	Demolishing and removing existing structures from the site as shown in the drawing (Contractor to give credit on these salvaged items given in the main summary). Existing Building (Approx. size 12.0m x 4.5 m and 8.5m x 4.5m) , water tank (Approx. 1 . 5 m x 1 . 5 m x 6 . 0 m height) , Single Canopy (4/2 . 4 m x 1.0m) and other existing structures from the site.	1.0	item		
2A/02	Demolishing and removing existing septic tank and soakage pit (Approx. size 3000mm x 1800mm x 2400mm and 1200mm dia 2400mm deep) and back fill with imported soil in layers not exceeding 150mm and compaction to the approval of Engineer including removal of sludge .	1.0	item		
2A/03	Dismantling pipe lines and Removing existing tank (01 No 2000gl under ground tank) with manhole . Rate to include for back fill with imported soil in layers not exceeding 150mm at any time watered, well rammed and consolidated to approval .	1.0	nr		
2A/04	Transport 2000gal. removed tanks from site to C.P.C. Premises Sapugaskanda . Rate to include all handling charges .	1.0	nr		
DEMOLITION AND CLEARING TOTAL CARRIED TO BILL NO.2					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH/18 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2B	<u>EXCAVATION AND EARTH WORK</u>				
	Note Contractor shall allow for clearing the site during construction and upon completion, including removal of all rubbish and debris, and leaving the building clean both internally and externally. All such debris shall be removed from the site to a disposal location arranged by the contractor		Note		
2B/01	Excavation for wall foundation depth not exceeding 1.0m from finished ground level.	19.5	m ³		
2B/02	- Ditto - In Columns	8.5	m ³		
2B/03	Earth filling under floors with selected excavated earth at site in 150mm thick layers well rammed and consolidated.	10.0	m ³		
2B/04	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated	15.0	m ³		
	Planking and strutting				
2B/05	Planking and strutting to sides of columns pits excavation , depth not exceeding 1.5 m commencing from stripped off level. (if necessary)	75.0	m ²		
	Dealing with water				
2B/06	Allow for dewatering underground water. In any area during the period of construction.	1.0	item		
	Anti-termite treatment				
2B/07	Anti-termite treatment to be carried out from a reputed company to excavated surfaces and backfilled areas to manufacturers specifications. (Tenderer to submit technical proposals along with the tender) payments will be effected only on submission of guarantee for a period of ten (05)years.	62.0	m ²		
EXCAVATION AND EARTH WORK TOTAL CARRIED TO BILL NO.2					
C	<u>CONCRETE WORK</u>				
	<u>Plain Concrete -1:3:6 (25mm aggregate) -Grade -15</u>				
2C/01	50mm thick concrete screed under column and trench footings.	32.0	m ²		
2C/02	75mm thick concrete in all floor area including pavement.	36.0	m ²		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
	<u>Reinforced cement concrete -1 : 11/2 : 3 (20mm aggregate) - Grade - 25</u> <u>(Reinforcement measured separately)</u>				
2C/03	300mm thick column footing	1.70	m ³		
2C/04	In column base up to Plinth beam level	0.60	m ³		
2C/05	In column from Plinth beam level up to roof level	2.00	m ³		
2C/06	225mm x 225mm plinth beams at D.P.C. level reinforced with 4 nos 12mm tor bars with 6mm M.S. stirrups at 150 crs (R/F and F/W measured separately)	2.50	m ³		
2C/07	- Ditto - Tie beam	2.5	m ³		
2C/08	In 125mm thick water tank slab	11.0	m ²		
2C/09	-Ditto- 225mmx150mm cement concrete lintol in 1:2:4(20mm) concrete, reinforced with 2nos 12mm tor bars with 6mm M.S. stirrups at 150 crs. Rate to include R/f and F/w .	5.0	m		
	<u>Water Proofing</u> <u>The method of water proofing with the materials proposed to be forwarded with the quotation</u>				
2C/10	Supply and apply "Xypex" or approved equivalent water proofing agent to manufactures specification to bath rooms ,water tank slab , balcony and blind wall.	44.0	m ²		
	<u>Reinforcement</u>				
2C/11	12mm tor steel in column footing	100.0	Kg		
2C/12	12mm tor steel in column	165.0	Kg		
2C/13	12mm tor steel in Plinth beam	185.0	Kg		
2C/14	12mm tor steel in Tie beam	185.0	Kg		
2C/15	6mm mild steel in columns	70.0	Kg		
2C/16	-Ditto - Plinth beam	70.0	Kg		
2C/17	- Ditto - Tie beam	70.0	Kg		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2C/18	10mm water tank slab	65.0	Kg		
	<u>Sawn form work</u>				
2C/19	To sides of plinth beam	22.0	m ²		
2C/20	To vertical sides of coloumn	42.0	m ²		
2C/21	To sides of Tie beam	22.0	m ²		
2C/22	To water tank slab and beam .	11.0	m ²		
CONCRETE WORK TOTAL CARRIED TO BILL NO.2 SUMMARY					
2D	<u>RUBBLE AND BRICK WORK</u>				
	<u>Rubble work</u>				
2D/01	Rubble masonry in cement sand mix 1:5 in trench foundation	14.0	m ³		
	<u>Brick work</u>				
2D/02	150mm thick cement block work in cement sand mix 1:5 in walls (blocks confirming to S.L.S. 855 and subject to the approval of sample blocks) .	135.0	m ²		
RUBBLE AND BRICK WORK TOTAL CARRIED TO BILL NO.2					
2E	<u>ALUMINIUM DOORS AND WINDOWS</u>				
	All Aluminium Doors and Windows extrusions shall be powder coated and of approved colour (red colour) , Total thickness of 60 - 80 microns.				
2E/01	Door type "SD" overall size 1200mm x 2400mm high Aluminium framed glazed paneled sliding door , all as per detailed drawing . Rate to include necessary fittings including Stainless steel Door handle,door lock approved make and quality, hinges and barrol bolt etc. as approved by the Engineer. (02No)	5.80	m ²		
2E/02	Door type "D1" overall size 900mm x 2100mm high Aluminum frame Aluminium paneled door , all as per detailed drawing and including all necessary fittings. (Door lock approved make and quality , hinges , barrol bolt etc.) as approved by the Engineer. (02 No)	3.80	m ²		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2E/03	Door type "D2" overall size 900mm x 2100mm high Aluminum framed Aluminium louver paneled door with fanlight on top , all as per detailed drawing and including all necessary fittings. (Door lock approved make and quality , hinges , barrol bolt etc.) as approved by the Engineer. (02 No)	3.80	m ²		
2E/04	Door type "SWD1" overall size 1200mm x 2100mm high Aluminum frame aluminium swing door with fanlight on top , all as per detailed drawing and including all necessary fittings. (Door lock approved make and quality , hinges , barrol bolt etc.) as approved by the Engineer. (01 No)	2.60	m ²		
2E/05	Door type "SW1" overall size 1200mm x 1200mm Aluminum framed Aluminium sliding window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	1.50	m ²		
2E/06	Window type "FG1" overall size 3800mm x 2400mm Aluminum framed fixed glazed paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (02 No)	18.50	m ²		
ALUMINIUM DOORS AND WINDOWS TOTAL CARRIED TO BILL					
2F	<u>ROOFING WORK</u> <u>Zinc Aluminium Roof</u> Note: All steel surfaces (except Galvanized Iron) to be applied with one coat of anticorrosive and two coats of enamel paint. .				
2F/01	Zinc Aluminium corrugated colour bonded AZ -150 roofing sheets (not less than 0.47mm total coated thickness) supplied and laid on steel frame work (Frame work measured separately) in ground floor .	56.0	m ²		
2F/02	<u>Steel frame work</u> Supply and fixing 100mm x 50mm x 2mm G I hollow section (Box bar) fixing on brick wall with rag bolts in 1:2:4(20mm) 225 x 225 x 200mm concrete pad . (center of sales room and hip rafter)	10.0	m		

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2F/03	Supply and fixing 50mm x 50mm x 1.6mm G I " box" purlin fixing on brick walls with rag bolts in 1:2:4 (20mm) 225 x 225 x 200mm concrete pad	80.0	m			
	<u>Suspension ceiling</u>					
	Note					
2F/04	Supply and installation of Aluminium powder coated metal ceiling panel 600mm x 600mm x 2mm (colour white) with interlocking. G.I. hot dipped powder coated type frame work. suspension will be G.I. 4mm thick adjustable hanger rod system.ceiling shall be installed in horizontal manner with shallow gap. complete ceiling system to Engineers's approval.	28.0	m2			
2F/05	Supply and installation of Asbestos ceiling sheet on timber frame work consisting of 100mm x 50mm joists and 50mm x 50mm bearers in building generator room ceiling. The sheets to be fixed to timber frame work leaving 6mm V grooves and 37mm x 37mm Halmilla moulding round the edges where the ceiling meets the walls.	6.0	m2			
2F/06	Supply and installation of Asbestos ceiling sheet on timber frame work consisting of 100mm x 50mm joists and 50mm x 50mm bearers in building eaves ceiling. The sheets to be fixed to timber frame work leaving 6mm V grooves and 37mm x 37mm Halmilla moulding round the edges where the ceiling meets the walls.	18.0	m2			
2F/07	Supply , fabricate and installation of Colour Bonded AZ 150 Zinc Aluminium 225mm x 300mm gutters with a coated thickness of 0.47 mm all as per manufactures specification and details drawings in roof. Rate shall include for all necessary specials. (down pipes measured separately)	18.0	m			
2F/08	Supply , fabricate and installation of Colour Bonded AZ 150 Zinc Aluminium down pipe 125mm x 100mm square type with a coated thickness of 0.47mm fixed with G.I. brackets complete with specials and embeded in concrete column connection to external rain water canals.	14.5	m			
2F/09	Supply and fixing 225mm x 25mm timber valance board and bardge board (Ginisapu timber or approved equivalent). Rate to include one coat of wood primer and two coats of enamel paint.	22.0	m			

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2F/10	Supply and fixing 0.47mm thick Zn / Al plain sheet flashing (50mm embedded to wall) The width of the flashing should not be less than 600mm.	10.0	m ²		
ROOFING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY					
2G	<u>FINISHES WORK</u>				
2G/01	Laying gauge 500 polythene layer under the floor concrete. (building area)	36.0	m ²		
2G/02	Supply and laying of Ceramic non slip tiles (300mm x 600mm) of approved size quality and design to toilet floor area . Rate to include 12mm thick cement rendering 1:3 to floor before laying tiles and dressing grooves with coloured cement slurry after fixing tiles as directed (Prime cost of Tile Rs 1200.00 per Tile) (ground floor)	7.0	m ²		
2G/03	Supply and laying of Homogeneous non slip tiles (600mm x 600mm) on tile adhesives of approved quality and design to all floor area . Rate to include 12mm thick cement rendering 1:3 to floor before laying tiles and dressing grooves with coloured cement slurry after fixing tiles as directed (Prime cost of a Tile Rs 2200.00 per Tile).	25.0	m ²		
2G/04	- Ditto - 100mm high tile skirtings	50.0	m		
2G/05	Supply and laying of Glazed tiles (300mm x 600mm) of approved size and design to walls of toilets up to 1500mm height. Rate to include 12mm thick cement rendering 1:3 to wall surfaces before fixing tiles and dressing grooves with white cement slurry after fixing as directed. (Prime cost of a Tile Rs 1200.00 per Tile)	30.0	m ²		
2G/06	15mm thick cement sand plaster 1:5 to internal surfaces of walls and columns finished smooth with two coats of wall putty.	150.0	m ²		
2G/07	-Ditto - Preparing reveals not exceeding 300mm wide	60.0	m		
2G/08	15mm thick cement sand plaster 1:5 to external surfaces of walls and columns finished semi rough with wooden float.	110.0	m ²		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2G/09	20mm thick cement rendering 1:3 to floor of AC/Generator room floor and pavement finished smooth with coloured cement slurry.	6.0	m ²		
FINISHES WORK TOTAL CARRIED TO BILL NO.2 SUMMARY					
2H	<u>PLUMBING AND DRAINAGE WORK</u>				
	<u>Cold water installation</u>				
2H/01	50mm diameter Grade 1000 uPVC solvent socketed pipes, with necessary specials, laid in trenches not exceeding 1 m deep,.	6.0	m		
2H/02	50mm diameter Grade 1000uPVC solvent socketed pipes, with necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	6.0	m		
2H/03	32mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	6.0	m		
2H/04	25mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	10.0	m		
2H/05	20mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	30.0	m		
	<u>Soil & Waste water installation</u>				
2H/06	110 mm diameter soil pipe, grade 600, rubber ring socketed uPVC, with all necessary specials, laid from manhole including all necessary excavation not exceeding 1.5M deep, earth work and 375mm x 375mm grade15 concrete backing and haunching at minimum 1.0m intervals.	20.0	m		
2H/07	- Ditto - 50 mm diameter waste pipe	20.0	m		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
	<u>Storm water installation</u>				
2H/08	110 mm diameter soil pipe, grade 400, rubber ring socketed uPVC, with all necessary specials, laid from manhole including all necessary excavation not exceeding 1.5M deep, earth work and 375 x 375mm grade15 concrete backing and haunching at minimum 1.0m intervals.	30.0	m		
	<u>Sanitary Fittings and toilet accessories</u>				
	<u>Note</u>				
	(a) Contractor to purchase all items from the agent with agent warranty and invoice. Samples and technical data / catalogue to be submitted and obtained approval from the client before purchasing the materials.				
	(d) All connections to appliances shall be through 20mm diameter chromium plated angle valve (Peglar No -1 or equivalent) and connected to fittings with 20mm diameter chromium plated flexible pipe (American standard , manufactured Thailand or equivalent) approved by Engineer.				
2H/09	Supply and installation pedestal type ceramic wash basin (white)22" x 15 " overall size with 20mm dia chromium plated pillar tap and other necessary accessories including water supply and waste water connection . All complete to working order.(Prime cost of wash basin with fitting -Rs 45,000 /= per No)	2.0	nr		
2H/10	Supply and installation of ceramic close couple water closet with " P " or "S" trap dual flush complete with flexible connection,angle valves to the working order.(Prime cost of water closet with fittings -Rs 75,000 /= per No)	3.0	nr		
2H/11	Supply and Installation of Chromium plated 20mm dia bib tap .(Prime cost of bib tap -Rs 7500 /= per No)	3.0	nr		
2H/12	Supply and installation of bidet shower.(Prime cost of bidet shower with fittings - Rs 4500 /= per No) .	3.0	nr		
2H/13	Supply and installation of 100mm dia stainless steel shower rose.(Prime cost of shower rose with fittings - Rs 4000 /= per No)	1.0	nr		

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/14	Supply and installation of stainless steel towel rail .(Prime cost of stainless steel towel holder with fittings -Rs 6500 /= per No)	2.0	nr			
2H/15	Supply and installation of stainless steel soap tray .(Prime cost of stainless steel soap tray with fittings Rs 3000 /= per No)	2.0	nr			
2H/16	Supply and installation of 20mm dia concealed valve.(Prime cost of 20mm dia concealed valve -Rs 5000/= per No)	2.0	nr			
2H/17	Supply and installation of mirror 450mm dia .(Prime cost of mirror 450mm dia - Rs5000 /= per No)	2.0	nr			
2H/18	Supply and installation of 20mm dia garden tap .(Prime cost of 20mm dia garden tap - Rs 2500 /= per No)	1.0	nr			
2H/19	Supply and installation of upward folding support bar fix to wall.(2' 0" long)	1.0	nr			
2H/20	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.0	nr			
2H/21	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.0	nr			
<u>Gate valves</u>						
2H/22	20mm dia gate valves(Prime cost of 20mm dia gate valves - Rs 3000 /= per No)	1.0	nr			
2H/23	32mm dia gate valves (Prime cost of 32mm dia gate valves - Rs 5000 /= per No)	1.0	nr			
2H/24	25mm dia ball valve(Prime cost of 25mm dia ball valve - Rs 5000 /= per No)	1.0	nr			
2H/25	25 mm dia non return valve(Prime cost of 25 mm dia non return valve - Rs 3500 /= per No)	1.0	nr			
<u>Builders works</u>						
2H/26	150 mm x 150 mm x 125 mm deep injection moulded PVC floor trap (catchpit) with stainless steel grating on top and set in concrete and connected to waste water lines.	3.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/27	Waste water gully internal size 225mm x 225mm x300mm deep in concrete floor and wall including 125mm thick grade 20 concrete and 16mm thick 1:3 rendering to all exposed surfaces and finished smooth with neat cement float. Rate to include for necessary earthwork , formwork and cover slab etc.	3.0	nr			
2H/28	Sewer manhole 450x 450mm and average depth not exceeding 500mm internally with and including all necessary excavation, earthwork, 160mm thick grade '20 concrete base, one brick thick brick walls, cement plasterwork, grade 20 rebated concrete pad on 10mm diameter tor steel bars at 150 mm crs. Bothways . Rate to include for cover slab s with lifting hooks.	3.0	nr			
2H/29	Strom water manhole 450 x 450mm and average depth not exceeding 450mm internally with and including all necessary excavation, earthwork, 125mm thick grade '20 concrete manhole base , walls and top cover slab reinforced with 10mm diameter tor steel bars at 150 mm crs. Bothways . Rate to include for concrete cover slab with lifting hooks.	3.0	nr			
2H/30	1200mm dia and 2400mm deep (internal) waste water soakage pit. The pit wall to be built in 225 brick work in cement with 1:5 alternate open joints as directed. rate to include 125mm thick concrete cover slab 1:2:4 (20)r/f with 12 mm dia tor bars at 150mm crs. bothways, and 16mm thick cement rendering 1:3 finish smooth. provide for in to 225x225mm concrete 1:2:4 (20mm) rebated pad to accomodate the cover	1.0	nr			
2H/31	1800x900x1650 (internal)septic tank with 1200x900x1650 (internal) attached soakage pit as shown in drawing. The septic tank base to be in 150mm thick concrete 1:2:4(20) r/f with 10mm dia. Tor bars at 200 crs. bothways. 225mm brick work in cement 1:5. 75mm thick R.C.C. cover slab reinforced as shown in drawing including cement rendering 1:3 finished smooth. 225x225 R.C.C. ring beam under soakage pit, 2 Nos.100mm dia. G.S.W. tees and 10mm thick cement rendering 1:3 with 5% pudlo to all internal surfaces of septic tank finished smooth. Rate to include for excavation, back filling and disposing surplus earth as directed.	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2H/32	Supply and install plastishell 2000 Litr. water tank over the concrete toilet roof slab. Approved by the engineer.	1.0	nr		
PLUMBING AND DRAINAGE WORK TOTAL CARRIED TO BILL NO.2					
2J/-	<u>ELECTRICAL INSTALLATION</u> <u>ELECTRICAL INSTALLATION</u> <u>Note</u> Electrical line diagram given are typical, changers may require in carrying out actual work. Contractor shall prepare the correct line diagram based on this typical balancing phase drawing work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000) The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations All Switches and Socket outlets shall be plated type make "Clipsal, Orange, ACL " or any other approval equivalent complying to SLS 1000:1993 for switches & SLS 1998:1991 for Socket outlets PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216 All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs All MCBs, RCCBs shall come with minimum of 10 years of warranty period. All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period				

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/01	<u>Supply , install and wire the following Main Distribution Board (MDB)</u> TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, live bus bars, 6 nos pilot lamps (R,Y,B)insulated for CEB & Gen sides, comb busbar and incorporating din rail type, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD) <u>Incoming Circuit Breakers</u> 01 Nos. 32A, 4P MCCB (18kA fault level) 02 No. 32A, 4P MCCB Automatic mains failure (AMF) and automatic load transfer switch (ATS) switchgear with Mechanical & Electrical Interlock for automatic transfer of load from CEB supply to Diesel Generator and vice versa All control circuits, control cables, contractors, relays etc. shall be included <u>Outgoing Circuit Breakers</u> 01 Nos. 32A, 4P MCCB (18kA fault level) 01 No. 40A, 4P RCCB 300mA sensitivity 01 No. 2P 32 A MCB Type C 01 No. 4P 25A MCB Type C 01 No. 4P 20A MCB Type C	1.00	nr			
2J/02	<u>Supply , install and wire the following Distribution Board (DB1)-Building & Canopy</u> SP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamp (R/Y/B) Indicator bulb) with protection 1No 32A 2pole MCB, 10KA, Type C 01 No. 40A, 2-Pole RCCB 30mA 04 No. 6A 1-Pole MCB 10kA 03 No. 10A 1-Pole MCB 10kA 02 No.16A 1-Pole MCB 10kA	1.00	nr			

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
3	<u>Supply, install and wire the following Distribution Board</u>				
2J/03	(DB2)-Fuel Terminal Pumps <u>Supply, install and wire the following Distribution Board (DB2)</u> TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamps (R,Y,B Indicator bulbs) with protection 01 No. 25A 4-pole MCB Type C 03 No. 25A, 2-pole MCB 10kA 06 No. 16A 2-Pole MCB typC 03 No. 20A, 2-Pole RCCB 100mA	1.00	nr		
	<u>Point wiring including switches (Luminaries measured separately)</u>				
2J/04	Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits	26.00	nr		
2J/05	Logo point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC + 2.5mm ² CU/PVC earth Cable in concealed PVC conduits	1.00	nr		
2J/06	Ceiling fan points wire through regulator & 10Amp sunk switch using 2x1Cx1.0mm ² Cu/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduits	1.00	nr		
2J/07	Wall fan points wire using 2x1Cx1.0mm ² Cu/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduits	1.00	nr		
	<u>Supply Install & wire the following</u>				
2J/08	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 4 number fo socket outlets) Socket outlets are included	1.00	nr		

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/09	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 2 number fo socket outlets) Socket outlets are included	1.00	nr			
2J/10	Yard light point wired from 20 A double pole indicator switch using 2C x 1 x 1.5mm ² Cu/PVC /SWA/PVC copper cable installed minium 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and backfilling.Allow for a G.I conduit where the cable has to go through a concrete					
	(a) . 20A double pole indicator switch	5.00	nr			
	(b) . For the wiring	78.00	m			
2J/11	Supply for signage tower wire from double using 2C x 1 x 1.5mm ² Cu/PVC/SWA/PVC installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete					
	(a) . 20A double pole indicator switch	1.00	nr			
	(b) . For the wiring	32.00	m			
2J/12	Supply for air tower wire 2CX1x1.5 mm ² CU/PVC/SWA/PVC to a weather proof outlet using necessary sunk boxes etc. to a suitable point near air tower installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete <u>Armoured cable shall be properly connect with the earth.</u>					
	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.00	nr			

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/13	(b) . For the wiring Air compressor wired through a 20A 4pole MCB, 10kA in the DB1 using 4Cx4mm2 Cu/PVC/PVC +4mm2 CU/PVC earth wire in PVC conduit	18.00	m		
	(a) . 20A 4 pole MCB Type C+20A 4 Pole RCCB 100mA in Transparent polycarbonate enclosure	1.00	nr		
2J/14	(b) . For the wiring Supply for LAD Pump light bulb wire using 2C x 1 x 1.5mm2 Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly connect with the earth.</u>	10.00	m		
	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.00	nr		
2J/15	(b) . For the wiring Supply for LK Pump light bulb wire using 2C x 1 x 1.5mm2 Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly connect with the earth.</u>	28.00	m		
	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.00	nr		
	(b) . For the wiring	15.00	m		
	<u>Supply, install and connect for fuel pump terminals</u>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH/18 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/16	2Cx 1 x 2.5mm² CU/PVC/SWA/PVC underground cable installed minimum 2ft below the finished floor level and terminated to a petroleum resistive terminal. Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly with the earth.</u> <u>Light Fittings</u> Supply and installation of following light fittings. Light fitting shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to the installation. All LED bulbs shall carry minimum of 2 years warranty warranty cards shall be handed over once the installation is completed	145.00	m			
2J/17	100W LED High Bay Light fitting, IP65, water proof, 180-250VAC operating voltage, 50hZ, Power factor more than 0.9, Colour 6500K, CRI shall be more than 80, with Aluminium cover & required accessories such as stell rod to bolt/weld the light fitting to the roof steel purlin. Further, a safety stainless steel rope/chain shall be fixed to the light fitting via the roof steel purlin to avoid fitting faaling down.(Prime cost of 100W High Bay lamp fitting with similar specification is Rs.10,500/-)	12.00	nr			
2J/18	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQUIRE TYPE) for sales office, workers rest, electrical generator room	4.00	nr			
2J/19	<u>Street light fittings(IP65) with 100W LED bulb & arm with other required accessories</u>	5.00	nr			
2J/20	Supply and installation of sofit mountlamp fitting comprising, 12W LED lamp of square type (day light) and all other accessories required for toilet, bathroom & stores	4.00	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH/18 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/21	Weather Proof pendant lamp fitting with 15W LED daylight bulb for LAD/LK pump terminal	2.00	nr			
2J/22	Weather proof (IP 65) bulk head light fitting with 15W LED daylight for outside of the main building	6.00	nr			
	FANS					
2J/23	Supply & installation of 56" sweep ceiling fan (European/Japanese make), minimum 165 CMM, complete with regulator, fan hook, extension rod & attachment - Guarantee cards should be provided from accredited agent. Note: Ceiling fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards to be submitted before the installation.	1.00	nr			
2J/24	Supply & installation of 16" wall fan (European/Japanese make), complete all accessories - Guarantee cards should be provided from accredited agent. Note: Ceiling fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards to be submitted before the installation. LED strip light shall have minimum 2 years warranty period	1.00	nr			
		2.00	nr			
2J/25	<u>Supply, install and Wire Following Earth Electrode</u> provide an earth electrode using 50 diameter GI pipe and copper earth 6mm ² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms.	1.00	item			
2J/26	provide an earth electrode using 50 diameter GI pipe and copper earth 6mm ² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms.(For TWO Unloading Point) <u>Supply, Connect and install the Following Cables</u>	1.00	item			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH/18 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/27	1x4Cx10 mm2 CU/PVC/PVC Cable from CEB Meter to Manual Change Over, Manual Chaneover to MDB in concealed PVC conduit	5.00	m		
2J/28	2Cx6mm2 CU/PVC/PVC cable & 1 x 6mm2 copper earth cable from MDB to DB1 in recessed PVC conduit	32.00	m		
2J/29	1x4Cx6mm2 CU/PVC /PVC cable & 1 x 6mm2 copper earth cable from MDB to DB2 in PVC conduit	10.00	m		
2J/30	1x4Cx10mm2 CU/PVC/PVC cable from Generator to MDB	15.00	m		
2J/31	<u>GI Pipe to fix LED street light</u> Supply and install yard light pole in 75mm dia. Medium duty G.I. pipe 6m above the ground level to fix the LED street light fitting	5.00	nr		
2J/32	<u>Inspection & Testing</u> Testing the entire installation and rectify any defects and submit a certificate by a chartered electrical engineer for electrical installation	1.00	item		
ELECTRICAL INSTALLATION TOTAL CARRIED TO BILL NO.2 SUMMARY					
2K	<u>PAINTING</u>				
2K/01	Prepare surface and apply one coat of approved primer and two coats of master palatte emulsion paint of an approved colour and quality to internal wall surface including reveals in building	150.0	m ²		

BILL OF QUANTITIES**CEYLON PETROLEUM CORPORATION****JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA****B.O.Q. No. 2026 /MAH/18 / 02 - BUILDING WORKS**

Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2K/02	Prepare surface and apply one coat of acrylic primer and two coats of master palatte weather shiled paint of an approved colour and quality to external wall surface including reveals in building	115.0	m ²			
2K/03	Prepare surface and apply one coat of approved primer and two coats of emulsion paint of an approved colour and quality to all ceiling surfaces.	12.0	m ²			
PAINTING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

BILL OF QUANTITIES
CEYLON PETROLEUM CORPORATION
JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA
B.O.Q. No. 2026/MAHP/181 / 02 .



BILL 02 - BUILDING WORKS

S U M M A R Y

ITEM	DESCRIPTION	AMOUNT
2A	DEMOLITION AND CLEARING	
2B	EXCAVATION AND EARTH WORK	
2C	CONCRETE WORK	
2D	RUBBLE AND BRICK WORK	
2E	ALUMINIUM DOORS AND WINDOWS	
2F	ROOFING WORK	
2G	FINISHES WORK	
2H	PLUMBING AND DRAINAGE WORK	
2J	ELECTRICAL INSTALLATION	
2K	PAINTING	
TOTAL CARRIED TO MAIN SUMMARY		Rs.

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH/18 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3A	<u>BILL NO - 03 - CONSTRUCTION OF CANOPY</u> <u>EXCAVATION AND EARTH WORK</u>					
3A/01	Excavation for column pits depth not exceeding 1.0m from finished ground level.	14.00	m ³			
3A/02	Supply filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated (if necessary)	11.00	m ³			
3B	<u>CONCRETE WORK</u> <u>Plain concrete -1:3:6 (25mm aggregate)- Grade -15</u>					
3B/01	75mm thick concrete screed under column footings.	9.00	m ²			
	<u>Reinforced cement concrete -1:2:4 (20mm aggregate)- Grade - 20</u> <u>(Reinforcement measured separately)</u>					
3B/02	300mm thick column footings	3.00	m ³			
3B/03	In column base up to ground level	0.80	m ³			
3B/04	- Deitto - In column ground up to roof level	3.00	m ³			
	<u>Reinforcement</u>					
3B/05	12mm tor steel in column footing	100.0	kg			
3B/06	16mm tor steel in column	480.0	kg			
3B/07	6mm mild steel in columns	130.0	kg			
	<u>Formwork</u>					
3B/08	To vertical sides of column	50.0	m ²			
	<u>Pump Island</u>					
3B/09	750mm wide 300mm high pump Island in 100mm block or half brick walls filled with river sand and 75mm thick 1:3:6 (25m) concrete on top finished with black Ceramic tiles of approved size and design to pump bed . Rate to include 12mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as directed	10.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH/18 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C	ZINC ALUMINIUM ROOFING IN CANOPY					
3C/01	Zinc Aluminium AZ 150 Colour bonded corrugated roofing sheets of approved profile (not less than 0.47mm total coated thickness), approved quality and colour on steel frame work as shown in drawing in canopy (Frame work measured separately)	220.0	m ²			
3C/02	Aluminium white colour (Code RAL - 9003) Composite sheet fascia (4mm thick 1hr fire rated) of approved quality and colour on GI frame work as per fixing details in drawing to engineer's approval (Frame work measured seperately) . Rate to include supply install 200mm high red colour composite cladding strips around to (Code RAL3000) composit cladding fascia , as per detailed drawing No CEYPET / ENG / SK / 0365-A.	60.0	m ²			
3C/03	Approved 4mm thick 1 hr fire rated mineral core Aluminium Composite panel , Alpolic or similar material including necessary 100x20x2mm and 60x30x2mm Galvernized "C" channel frame work to detail and approval around columns	60.0	m ²			
3C/04	Colour Bonded Zinc Aluminium 300mm x 225mm gutters with a coated thickness of 0.47 mm all as per manufactures specification and details drawings in roof. Rate shall include for all necessary specials. (down pipes measured separately)	13.0	m			
3C/05	Colour Bonded Zinc Aluminium down pipe 125mm x 125mm square type with a coated thickness of 0.47mm fixed with G.I. brackets complete with specials and embeded in concrete column connection to external rain water canales.	13.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH/18 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C/06	Supply and fixing 0.47mm Zn / Al plain sheet flashing to canopy roof . The width of the flashing should not be less than 600mm	40.0	m ²			
	<u>STRUCTURAL STEEL AND ROOFING WORK</u> Painting of Steel <u>All steel except galvanize iron should be painted with one coat of anicorossive and two coats of enamel paint on cleaned surface</u> Contractor should provide samples of paint layers to determine the paint thickness while work in progress.					
3C/07	Supply and fixing 200mm x 133mm (25kg/m) universal beam in canopy roof as shown in drawing. Rate to include paint to detail	40.0	m			
3C/08	- Ditto - 150mm x 65mm x 2.3mm galvanized lip channel as in detailed drawing	185.0	m			
	<u>Fascia of canopy</u>					
3C/09	Supply and fixing of GI rectangular hollow section (RHS) 50mm × 25mm × 2mm thick, including cutting, welding, grinding, surface preparation in canopy fascia frame as per detailed drawings and Engineer's instructions. Rate to include paint to detail above.	180.0	m			
3C/10	Supply and fixing 16mm thick 350 x 350mm base plate on top of column	4.0	nr			
3C/11	16mm J bolts embeded on top of coloumn	32.0	nr			
3C/12	Supply , fabricate and fixing 63mm dia Heavy duty GI pipe pump guard as per detail drawing CEYPET/ENG/SK/0060. and as directed	8.0	nr			
3D/-	<u>ELECTRICAL WORK</u>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026 /MAH/18 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3D/01	Supply and installation of LED strip light (IP65) around the fascia (inside the red colour PVC new fascia) of the main canopy and water proofed, colour 'Red' (3 nos strips : top, middle and bottom) as per the drawing CEYPET / ENG / SK/ 0440. LED strip light shall have minimum 2 years warranty period. LED strip light shall have minimum 2 years warranty period	60.00	m			
3D/02	Supply, fabricate and install double side light box of (Size 1200mmx150mmx400mm). As per the Sketch No Ceypet/0437 With 18 watt waterproof LED light inside .	4.00	nr			
3D/03	Lockable drawer unit integrated into cladded column, finished with matching cladding material. Designed as a temporary cash storage facility . Drawer fitted with smooth sliding rails, secure locking mechanism as per the Sketch No Ceypet/0437.	4.00	nr			
<u>Supply , Fabricate and Installation of Logo, Lettering</u>						
3D/04	Supply and fixing of 900mm diameter circular logo Gauge 22 Stainless Steel 75mm wide circular frame & figure with 3 mm white Perspex sheet completed with colour stickers & light fittings (circular tube light with one year warranty) including wiring, as per detailed sketch No CEYPET / ENG/ SK/0365.	1.00	item			
3D/05	Supply , fabricate & installation of 400mm high red colour perspex sheet Boxed type letters CEYPETCO finished with 75mm thick embossed complete with drivers and wiring. Each letter shall be illuminated with energy-efficient LED modules not exceeding 15 W per letter. All LED lights shall carry a minimum two-year warranty.as per detailed drawing No CEYPET / ENG/ SK/0365-B	1.00	item			
CANOPY TOTAL CARRIED TO MAIN SUMMARY						

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026/MAH / 18 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
4A	<u>BILL NO - 04 - DRIVE WAY & MISCELLANEOUS WORK</u>				
	<u>DRIVE WAY</u>				
	Paving Blocks				
	Notes				
	Paving blocks should be purchased from a well reputed manufacturer and should have at least compressive strength equivalent to Grade 30 concrete.(Test report to be submitted) The colour should be absolute black size of the paving stone should be 220mm x 110mm and height 80mm				
	4A/01 Paving stone should be supplied and placed on 50mm (min) sand bedding on the well compacted soil to the specified slope. Edges of the paving should be finished with mass concrete equivalent to paving stone strength.	950.0	m ²		
	4A/02 Supply and fixing 900mm x 150mm x 225 mm Precast cement kerbs to detail with all necessary excavation, formwork and concrete etc.	20.0	m		
	4A/03 Supply, spread and compact to approved density graded aggregate base course (A B C) using 37.5mm aggregate .	200.0	m ³		
	4A/04 Cutting and Demolishing 150mm thick existing RCC / Tar surface of driveway and cart away from site.	10.0	m ²		
	<u>Turfing</u>				
4A/05	Turfing (Buffalo Grass) as specified	10.0	m ²		
4A/06	Remove existing plaster in boundry wall and replaster with 15mm thick cement sand plaster 1:5 to all surfaces of boundry walls and columns finished semi rough with wooden float. Painting with one coat of primer and two coats of weathershield paint on plastered surface.	160.0	m ²		
	<u>Repair to Manhole</u>				
	Note:-				
	<u>Water proofing of manholes should be done according to the following specifications.</u>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026/MAH / 18 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4A/07	a). All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant . b). All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.) (c). Water proofing to be given to reputed agent with 5 years guarantee . Demolishing existing fuel tank manhole and Supply , fabricate and installing of (Approximately) 750mm x 750mm x 900mm deep (internally) under ground fuel tank manhole complete with 12mm thick MS plate manhole cover 750mm x 750mm and frame including 2 Nos Liftings hooks. 150mm thick reinforced 1:11/2:3 (20mm) concrete wall with 10mm tor steel bars at 200mm c/c to be welded at top of the M/S plate up to manhole top and bind 10mm tor steel bars at 200mm c/c horizontally .All surfaces of walls to be plastered and finished smooth with neat cement and applied with water proofing epoxy paint ensuring no water leak inside. All works to be done as per detail drawing no CEYPET /ENG/0511	6.0	nr			
4A/08	<u>Fuel dispensing pipe lines</u> Supply and laying 40mm (1 1/2") dia GI heavy duty pipe from underground tank to dispensing pump. Rate to include all bends tank top valve and accessories / fittings as required based on the shop drawing prepared by the contractor and approved by the Engineer , 300 mm wide 450mm deep trench excavation and back filing with river sand and compacted to approve	135.0	m			
4A/09	- Ditto - vent pipe . Rate to include applying two coats of anticorrosive paint	100.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026/MAH / 18 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
4A/10	- Ditto - 75mm dia GI heavy duty unloading pipe . Rate to include applying two coats of anticorrosive paint	60.0	m		
4A/11	Supply and fixing of Tank top valve (brass) with one year warranty to connect pipeline as approved by the Engineer.	7.0	nr		
4B/-	<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>				
	a). Base for signage shall be 5'-0" x4'-0"x4'-0" deep grade 25 concrete, reinforced with 16mm and 12mm tor steel, with 20mm thread bars to fix the body using galvanized nuts & bolts. Body should be fixed using 20mm thick mild steel plates (size varies according to the size of base) The plates should be concealed.				
	b). Double sided signage will have a 4" "U" channels fixed to both sides of the pylon reinforced with 1"x2" square tubes (2Nos. On each side) to mount the cladding and with 2"x2"x6mm angle iron horizontal bracings at 18" intervals on both sides of the structure with an additional 1"x6mm thick mild steel flat iron, bent to required shape to hold the cladding.				
	c). 4'-0" diameter circular pylon head structure (logo supporting structure) to be manufactured with 1 1/2" x 3/8" thick flat iron circles (2 Nos) braced at 8 points around the flat iron with same size flat iron. This structure will be fixed to the pylon structure via a 4" diameter G.I. hollow pipe, (Heavy duty)spray painted fixed with nuts and bolts.				
	<u>The entire steel frame structure to be hot dipped galvanized.</u>				
	d). No drilling or welding to be carried out after galvanizing process is completed.				
	e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work.				
	f). All illuminated sections of the pylon to be (Company logo) fabricated using 3mm acrylic (perspex) sheets with the embossed figure at the center and wording at edges as specified from the same material.				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA

B.O.Q. No. 2026/MAH / 18 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	g). The Signage should be provided with adequate lighting by use of 3Nos 18w 2'-0" florescent lights (European make with 2 Year warranty) wired separately from the bottom to top through conduits. External illumination should be provided with 2 Nos Assymmetrical type flood lamps with 250w mercury vapour lamp (1P 65) fix to the top of the structure. Wiring to be done with 2 x 1C x 1 mm ² cu/ PVC/ wire. with a suitable way to the Engineer's satisfaction with a supportive structure. All materials including conduit (under ground) and wiring from the available supply point (approximately 50m) to be included in the rate.					
	i). Letters to be with PVC luminous stickers on the colour bonded sheets as per the font, letter type, colour and wording given by the CPC					
	j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive.					
	k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation.					
	l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication.					
	m). The successful tender should submit a guarantee for a minimum period of 10 years for anticorrosion of structure stability, and 05 years warranty to the colours of PVC stickers.					
	n). The rate shall include for the transporting handling and all other involvement in the erection signages at outstations. The proposed outstations are attached herewith.					
4B/01	Supply ,fabricate and install of 1200mm x 5500mm double sided pylon signage as per specification and detailed drawing	1.0	nr			
4B/02	Provisional sum for any unforeseen work during construction	1.0	PS	1,000,000.00		1,000,000.00
DRIVE WAY & MISCELLANEOUS WORK TOTAL CARRIED TO MAIN SUMMARY						

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB - RE - CONSTRUCTION OF L F S MAHIYANGANAYA

B.O.Q. No. 2026/MAH /18 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
5A/	BILL NO - 05 - CONSTRUCTION OF SINGLE CANOPY CONSTRUCTION OF SINGLE CANOPY <u>Notes</u> The rates quoted by the tenderer should include for the followings items. <u>Foundation (02 Nos.):</u> a Excavation, 450mm x 450mm x 900mm deep and 300mm thick 1:2:4 (20mm) concrete base as shown in drawing No-CEYPET/ENG/SK/0021. <u>Canopy post (2Nos)</u> b Canopy post 75mm diameter G.I (Medium duty) Pipe welded to 10mm thick MS base plate embeded in the painted to 1:2:4 (20mm) concrete foundation . Rate to include spray painted to manufacturers specifications. As shown in drawing. No-CEYPET/ENG/SK/0021. <u>Roof work</u> c Supply & Fixing Zinc Aluninium colour bonded roofing sheets(not less than 0.47mm total coated thickness) on steel frame work which include all neccessay angle iron (25mm x25mmx 6mm) structural frame work as shown in drawing. <i>Rate will also include for applying two coats of anticorrosive paint as per the description under 'Painting of Steel' in the Main Canopy BOQ.</i> <u>Fascia</u> d Aluminium Composite sheets fascia,alpolic or equivalent, similar material mineral core (4mm thick one hour fire rated)of approved quality and colour on G.I frame work as per fixing details in drawing to engineer's approval. <u>Ceiling</u> e Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing		Note		
			Note		
			Note		
			Note		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB - RE - CONSTRUCTION OF L F S MAHIYANGANAYA

B.O.Q. No. 2026/MAH /18 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
f	<u>Light fittings</u> The single canopy should be provided with adequate lighting by use of 2 nos. fluorescent lights fittings complete with 600mm fluorescent bulb complete with diffuser etc.. wired to the inside of the top section through a 5 AMP sunk switch. Wiring should be done with 2x1c x 1.13 PVC insulated copper conductor & 1x1c x 7/0.67 PVC insulated copper earth conductor through 1000g water tight PVC conduit. All materials including conduit (under ground) and wiring from the available supply point (approximately 25m) to be provided.		Note		
g	The rate will include for fabricate, installing single canopy .The proposed locations are given below.		Note		
5A/01	Fabricate, supply & install single canopy as per specification & detailed drawing no .CEYPET/ENG/SK/0021	2.0	nr		
5A/02	2000mm long 1000mm wide 300mm high pump Island in 100mm Block or half brick walls filled with river sand and 75mm thick 1:3:6 (25m) concrete on top finished with black Ceramic tiles of approved size and design to pump bed rate to include 12mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as shown in drawing no - CEYPET/ENG/SK/0021	4.0	m		
5A/03	Supply , fabricating and installing G.I pump guard. Using 65mm Dia G.I (Medium duty) 3.6mm thick pipes fixed to 6mm thick MS plate by (size 150x 150mm) with 4Nos 12mm Dia rag bolts and placed in 1:2:4(20) concrete base.(200x 200x 150mm) .Rate to include excavation , form work , and applying two coat of primer and one coat of enamel paint to G.I pipes as per detail drawing No CEYPET/ENG/SK/0060 given below.				
5A/03.1	Pump guard 1800mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	2.0	nr		
5A/03.2	Pump guard 900mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	4.0	nr		
SINGLE CANOPY TOTAL CARRIED TO MAIN SUMMARY					

BILL OF QUANTITIES
CEYLON PETROLEUM CORPORATION
JOB: RE CONSTRUCTION OF L.F.S. MAHIYANGANAYA
B.O.Q. No. 2026/MAH/18

MAIN SUMMARY

BILL NO - 01 - PRELIMINARIES	Rs	
BILL NO - 02 - BUILDING WORKS	Rs	
BILL NO - 03 - CONSTRUCTION OF CANOPY	Rs	
BILL NO - 04 - DRIVE WAY & MISCELLANEOUS WORK	Rs	
BILL NO - 05 - CONSTRUCTION OF SINGLE CANOPY	Rs	
 SUB TOTAL 01	 Rs	
 LESS PROVISIONAL SUM	 Rs	 1,000,000.00
 SUB TOTAL 02	 Rs	
 LESS DISCOUNT (If any)	 Rs	
 SUB TOTAL 03	 Rs	
 LESS CREDIT ON SALVAGE MATERIAL	 Rs	
 SUB TOTAL 04	 Rs	
 ADD PROVISION SUM	 Rs	 1,000,000.00
 SUB TOTAL 05	 Rs	
 ADD (2.5% SSCL)	 Rs	
 SUB TOTAL 06	 Rs	
 ADD (18% VAT)	 Rs	
 TOTAL WITH TAXES	 Rs	
Total amount in words		
.....		
Name of Tenderer		
.....		
VAT Registration No :-		
Address		
.....		
.....		
 Date	 Signature of Tenderer	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR /20/ 01 - PRELIMINARIES



ITEM REF.		QTY.	UNIT	UNIT RATE	TOTAL PRICE RUPEES
1/-	BILL NO- 01 - PRELIMINARIES				
1A/01	Allow lump sum for providing bid security		item		
1A/02	Allow lump sum for providing insurance		item		
1A/03	Allow lump sum for providing a performance Guarantee.		item		
1A/04	Allow lump sum for providing an advance payment guarantee.		item		
1A/05	Provide Lump Sump to construct good quality office with good ventilation for Client / Consultant staff (approx. 15 m ²)and to provide two chairs and one table.		item		
1A/06	Provide Lump Sump to construct water tight shed equipment and maintain temporary buildings for protection and storage of materials , plant and workshops.		item		
1A/07	Allow lump sum for temporary sanitary accomodation of site for the contractor's staff and workmen.		item		
1A/08	'Allow lump sum for construct good quality lockable hut for cash office / store for the filling station staff(approx. 24m2)		item		
1A/09	"Allow lump sum for providing erection of temporary site office for contractor with electricity , water supply waste and drange facilities (approx. 20 m2)		item		
1A/10	Allow lump sum for supplying water for use during construction . It shall be the responsibility of the contractor to find the source of supply and storage facilities and internal arrangement and payment for consumption to authorities.		item		
1A/11	'Allow lump sum for supplying temporary electricity to the site for the works including obtaining connection internal arrangement and payment to authorities.		item		

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B.O.Q. No. 2026 /MIR /20/ 01 - PRELIMINARIES



ITEM REF.		QTY.	UNIT	UNIT RATE	TOTAL PRICE RUPEES
1A/12	Allow lump sum for setting out of the Works .		item		
TO BILL NO. 01 CARRIED TO MAIN SUMMARY				RS	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR/20 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2A	BILL NO- 02 - BUILDING WORKS					
	<u>DEMOLITION AND CLEARING</u>					
	Note					
a)	Rate to include for clearing site including construction debris before and after finishing the work and cart away all debris from site to a location to be provided by the contractor.					
b)	Contractor to quote a price for removing all salvage item (in the main summary) which will consist of all building materials in the building except electrical items , under ground tanks, Hoist , Pump guard , single canopy , pipe lines and cable etc.					
2A/01	Demolishing and removing existing structures from the site as shown in the drawing (Contractor to give credit on these salvaged items given in the main summary). Existing sales and service Building with roof canopy (Approx. size building 10 . 0 m x 4 . 4 m , canopy 4 .4 m x 5.0m) , water tank (Approx. 1 . 5 m x 2 .0 m x 1. 5 m height) , concrete ramp (2/10 . 0 m x 0.75m x 0.9 height) and other existing structures from the site.	1.0	item			
2A/02	Demolishing, removing and transporting the existing 2/170mm x 170mm x 6000mm long steel ' I ' beam (hoist) from the site to the CPC premises Sapugaskanda including all handling charges .The rate also to include back filling the area after removing hoist with imported soil and to compact to approval. (Removed hoist handed over to CPC)	1.0	Nos			
2A/03	Demolishing and removing existing septic tank and soakage pit (Approx. size 4000mm x 1600mm x 1500m and 1200mm x 1800mm x 1200mm) and back fill with imported soil in layers not exceeding 150mm and compaction to the approval of Engineer including removal of sludge .	1.0	item			
2A/04	Dismantling pipe lines and Removing existing tank (01 No 2000gl under ground tank) with manhole . Rate to include for back fill with imported soil in layers not exceeding 150mm at any time watered, well rammed and consolidated to approval .	1.0	Nr			

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B.O.Q. No. 2026 /MIR/20 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2A/05	Dismantling pipe lines and Removing existing tank (01 No5000gl under ground tank) with manhole and keep safe for reinstallation . Rate to include for back fill with imported soil in layers not exceeding 150mm at any time watered, well rammed and consolidated to approval .	1.0	Nr	75000.00	75,000.00
2A/05	Transport 2000gal. removed tanks from site to C.P.C.premises Sapugaskanda. Rate to include all handling charges .	1.0	Nr		
DEMOLITION AND CLEARING TOTAL CARRIED TO BILL NO.2				Rs	
2B	<u>EXCAVATION AND EARTH WORK</u>				
	<u>Note</u> Contractor to also allow clearing of site upon completing and during construction, including removal of all rubbish and debris and leaving the building clean internaly and externaly . All such debris to be removed from site to a location arranged by the contractor.		Note		
2B/01	Excavation for wall foundation depth not exceeding 1.0m from finished ground level.	12.5	m ³		
2B/02	- Ditto - In Columns	8.0	m ³		
2B/03	Earth filling under floors with selected excavated earth at site in 150mm thick layers well rammed and consolidated.	6.0	m ³		
2B/04	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated	6.0	m ³		
	Planking and strutting				
2B/05	Planking and strutting to sides of columns pits excavation , depth not exceeding 1.5 m commencing from stripped off level. (if necessary)	48.0	m ²		
	Dealing with water				
2B/06	Allow for dewatering underground water. In any area during the period of construction.	1.0	item		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2B/07	Anti-termite treatment Anti-termite treatment to be carried out from a reputed company to excavated surfaces and backfilled areas to manufacturers specifications. (Tenderer to submit technical proposals along with the tender) payments will be effected only on submission of guarantee for a period of ten (05)years.	40.0	m ²		
EXCAVATION AND EARTH WORK TOTAL CARRIED TO BILL NO.2				Rs	
C	<u>CONCRETE WORK</u>				
	<u>Plain Concrete -1:3:6 (25mm aggregate) -Grade -15</u>				
2C/01	50mm thick concrete screed under column and trench footings.	23.0	m ²		
2C/02	75mm thick concrete in all floor area including pavement.	21.0	m ²		
	<u>Reinforced cement concrete -1 : 11/2 : 3 (20mm aggregate) - Grade - 25</u> <u>(Reinforcement measured separately)</u>				
2C/03	300mm thick column footing	1.75	m ³		
2C/04	In column base up to Plinth beam level	0.55	m ³		
2C/05	In column from Plinth beam level up to 1 st floor and canopy roof level	1.50	m ³		
2C/06	In column from 1st floor level up to water tank slab level	0.75	m ³		
2C/07	225mm x 225mm plinth beams at D.P.C. level reinforced with 4 nos 12mm tor bars with 6mm M.S. stirrups at 150 crs (R/F and F/W measured separately)	1.55	m ³		
2C/08	225mm x 225mm 1st Floor beams reinforced with 4 nos 12mm tor bars with 6mm M.S. stirrups at 150 crs (R/F and F/W measured separately)	1.55	m ³		
2C/09	- Ditto - In water tank beams	0.50	m ³		
2C/10	In 125mm thick 1st floor slab	28.0	m ²		
2C/11	In 125mm thick water tank slab	8.0	m ²		

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2C/12	In Staircase concret	1.35	m ³			
2C/13	-Ditto- 225mmx150mm cement concrete lintol in 1:2:4(20mm) concrete, reinforced with 2nos 12mm tor bars with 6mm M.S. stirrups at 150 crs. Rate to include R/f and F/w . <u>Water Proofing</u> <u>The method of water proofing with the materials proposed to be forwarded with the quotation</u>	10.0	m			
2C/14	Supply and apply "Xypex" or approved equivalent water proofing agent to manufactures specification to bath rooms ,water tank slab , balcony and blind wall. <u>Reinforcement</u>	48.00	m ²			
2C/15	12mm tor steel in columms and beams	580.0	Kg			
2C/16	10mm 1st floor slab , water tank slab and staircase	380.0	Kg			
2C/17	6mm mild steel in columns <u>Sawn form work</u>	200.0	Kg			
2C/18	To sides of plinth beam	13.5	m ²			
2C/19	To sides and soffit of 1st floor beam	20.0	m ²			
2C/20	To vertical sides of coloumn	50.0	m ²			
2C/21	To soffit of 1st floor slab	35.0	m ²			
2C/22	To water tank slab and beam .	15.0	m ²			
CONCRETE WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs		
2D	<u>RUBBLE AND BRICK WORK</u>					
	<u>Rubble work</u>					
2D/01	Rubble masonry in cement sand mix 1:5 in trench foundation <u>Cement Block work</u>	8.0	m ³			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2D/02	100mm thick cement block work in cement sand mix 1:5 in ground floor walls (blocks confirming to S.L.S.855 and subject to the approval of sample blocks) .	73.0	m ²			
2D/03	- Ditto - upper floor walls.	85.0	m ²			
RUBBLE AND BRICK WORK TOTAL CARRIED TO BILL NO.2				Rs		
2E	<u>ALUMINIUM DOORS AND WINDOWS</u> All Aluminium Doors and Windows extrusions shall be powder coated and of approved colour (red colour) , Total thickness of 60 - 80 microns.					
2E/01	Door type "D" overall size 900mm x 2700mm high Aluminium framed glazed paneled door with louvered above, all as per detailed drawing . Rate to include necessary fittings including stainless steel Door handle,door lock approved make and quality, hinges and barrel bolt etc. as approved by the Engineer. (01No)	2.50	m ²			
2E/02	- Ditto - In upper floor (02 Nos)	5.00	m ²			
2E/03	Door type "D1" overall size 1050mm x 2700mm high Aluminum frame double side swing glazed door with louvered above ,all as per detailed drawing and including all necessary fittings. (Door lock approved make and quality , hinges , barrel bolt etc.) as approved by the Engineer. (01 no)	3.00	m ²			
2E/04	Door type "D2" overall size 750mm x 2100mm high Aluminum framed glazed door with louvered above , all as per detailed drawing and including all necessary fittings. (Door lock approved make and quality , hinges , barrel bolt etc.) as approved by the Engineer. (02 no)	1.60	m ²			
2E/05	Window type "FG" overall size 2800mm x 2700mm Aluminum framed fixed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	7.60	m ²			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2E/06	- Ditto - In upper floor	7.60	m ²			
2E/07	Window type " FG1" overall size 1800mm x 2700mm Aluminum framed fixed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	5.00	m ²			
2E/08	Window type "W" overall size 1800mm x 1200mm Aluminum framed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	2.20	m ²			
2E/09	- Ditto - In upper floor	2.20	m ²			
2E/10	Window type "W1" overall size 900mm x 1200mm Aluminum framed glazed window with louvered above, all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	1.10	m ²			
2E/11	Fanlight type 'F' overall size 900mm x 600mm Aluminium framed glazed fanlight , all as per detailed drawing and including all necessary fittings. (02No)	1.10	m ²			
ALUMINIUM DOORS AND WINDOWS TOTAL CARRIED TO BILL				Rs		
2F	<u>ROOFING WORK</u> <u>Zinc Aluminium Roof</u> Note: All steel surfaces (except Galvanized Iron) to be applied with two coats of Marine paint. Paint selection, surface preparation & application should be strictly as per under 'Painting of Steel' in the Main Canopy BOQ.					
2F/01	Zinc Aluminium corrugated colour bonded AZ -150 roofing sheets (not less than 0.47mm total coated thickness) supplied and laid on steel frame work (Frame work measured separately) in ground floor . <u>Steel frame work</u>	22.0	m ²			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2F/02	Supply and fixing 150mm x 65mm x 2mm G I "C" purlin fixing on brick wall with rag bolts in 1:2:4(20mm) 225 x 225 x 200mm concrete pad .	20.0	m			
2F/03	Supply and fixing of 50mm x 50mm 2mm GI box purlin as per detail drawing.	32.0	m			
<u>Suspension ceiling</u>						
Note						
2F/04	Supply and installation of Aluminium powder coated metal ceiling panel 600mm x 600mm x 2mm (colour white) with interlocking. G.I. hot dipped powder coated type frame work. suspension will be G.I. 4mm thick adjustable hanger rod system.ceiling shall be installed in horizontal manner with shallow gap. complete ceiling system to Enginners's approval.	14.0	m2			
2F/05	Supply and installation of Asbestos ceiling sheet on timber frame work consisting of 100mm x 50mm joists and 50mm x 50mm bearers in building eaves ceiling. The sheets to be fixed to timber frame work leaving 6mm V grooves and 37mm x 37mm Halmilla moulding round the edges where the ceiling meets the walls.	8.5	m2			
2F/06	Supply and fixing Colour Bonded Zinc Aluminium 225mm x 300mm gutters with a coated thickness of 0.47 mm all as per manufactures specification and details drawings in roof. Rate shall include for all necessary specials. (down pipes measured separately)	11.5	m			
2F/07	Supply and fixing Colour Bonded Zinc Aluminium down pipe 125mm x 100mm square type with a coated thickness of 0.47mm fixed with G.I. brackets complete with specials and embeded in concrete column connection to external rain water canales.	13.5	m			
2F/08	Supply and fixing 225mm x 25mm timber valance board and bardge board (Ginisapu timber or approved equivalent). Rate to include one coat of wood primer and two coats of enamel paint.	16.0	m			

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2F/09	Supply and fixing 0.47mm thick Zn / Al plain sheet flashing (50mm embedded to wall) The width of the flashing should not be less than 600mm.	10.0	m ²		
ROOFING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	

2G	<u>FINISHES WORK</u>				-
2G/01	Laying gauge 500 polythene layer under the floor concrete. (building area)	18.5	m ²		
2G/02	Supply and laying of Ceramic non slip tiles (300mm x 600mm) of approved size quality and design to toilet floor area . Rate to include 12mm thick cement rendering 1:3 to floor before laying tiles and dressing grooves with coloured cement slurry after fixing tiles as directed (Prime cost of Tile Rs 1200.00 per Tile)	8.0	m ²		
2G/03	Supply and laying of Homogeneous non slip tiles (600mm x 600mm) on tile adhesives of approved quality and design to all floor area . Rate to include 12mm thick cement rendering 1:3 to floor before laying tiles and dressing grooves with coloured cement slurry after fixing tiles as directed . (Prime cost of a Tile Rs 2200.00 per Tile).	8.0	m ²		
2G/04	- Ditto - in upper floor	18.5	m ²		
2G/05	- Ditto - in staircase	8.0	m ²		
2G/06	Supply and laying of 100mm high tiles skirting on tile adhesive of approved quality and design to all floor area .	60.0	m		
2G/07	Supply and laying of Glazed tiles (300mm x 600mm)of approved size and design to walls of toilets up to 1800mm height. Rate to include 12mm thick cement rendering 1:3 to wall surfaces before fixing tiles and dressing grooves with white cement slurry after fixing as directed. (Prime cost of a Tile Rs 1200.00 per Tile)	25.0	m ²		

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2G/08	15mm thick cement lime sand plaster 1:5 to internal surfaces of walls and columns finished smooth with two coats of skim coat.	100.0	m ²		
2G/09	- Ditto - in upper floor	98.0			
2G/10	-Ditto - Preparing reveals not exceeding 300mm wide	80.0	m		
2G/11	15mm thick cement lime sand plaster 1:5 to external surfaces of walls and columns finished semi rough with wooden float.	110.0	m ²		
2G/12	15mm thick plastering to plinth wall in cement sand 1:3 including finishing with cement slurry floating with colour pigment.	7.5	m ²		
FINISHES WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	
2H	<u>PLUMBING AND DRAINAGE WORK</u>				
	<u>Cold water installation</u>				
2H/01	50mm diameter Grade 1000uPVC solvent socketed pipes, with necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	6.0	m		
2H/02	32mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	6.0	m		
2H/03	25mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	12.0	m		
2H/04	20mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	20.0	m		
	<u>Soil & Waste water installation</u>				

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/05	110 mm diameter soil pipe, grade 600, rubber ring socketed uPVC, with all necessary specials, laid from manhole including all necessary excavation not exceeding 1.5M deep, earth work and 375mm x 375mm grade15 concrete backing and haunching at minimum 1.0m intervals.	15.0	m			
2H/06	- Ditto - 63 mm diameter waste pipe.	15.0	m			
2H/07	<u>Storm water installation</u> 160 mm diameter soil pipe, grade 400, rubber ring socketed uPVC, with all necessary specials, laid from manhole including all necessary excavation not exceeding 1.5M deep, earth work and 375 x 375mm grade15 concrete backing and haunching at minimum 1.0m intervals. <u>Sanitary Fittings and toilet accessories</u> <u>Note</u> (a) Contractor to purchases all items from the agent with agent warranty and invoice. Samples and technical deta / catalogue to be submitted and obtained approval from the client before purchasing the materials. (b) All taps and accessories to be ' HUIDA ' , or ' HAGAR ' (c) All sanitary fittings to be following or equivalent American standard (Agent Key Group Three (private) Ltd, Rocell (Agent Royal Ceramic Lanka PLC) or Cotto (Agent Rifirm international (Pvt) Ltd) (d) All connections to appliances shall be through 20mm diameter cromium plated angle valve (Agent Raniyo (Pvt) Ltd, Peglar No -1 or equivalent) and connected to fittings with 20mm diameter cromium plated flexible pipe (Amirican standard , manufactured Thailand or equivalent) approved by Engineer.	20.0	m			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/08	Supply and installation pedestal type ceramic wash basin (white)22" x 15 " overall size with 20mm dia cromium plated piller tap and other necessary accessories including water supply and waste water connection . All complete to working order.(Prime cost of wash basin with fitting -Rs 45000 /= per No)	2.0	nr			
2H/09	Supply and installation of ceramic close couple water closet with " P " or "S" trap duel flush complete with flexible connection,angle valves to the working order.(Prime cost of water closet with fittings -Rs 75,000 /= per No)	2.0	nr			
2H/10	Supply and installation of upward folding support bar fix to wall.(2' 0" long)	1.0	nr			
2H/11	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.0	nr			
2H/12	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.0	nr			
2H/13	Supply and Installation of stainless steel 20mm dia bib tap .(Prime cost of bib tap -Rs 5000/= per No)	3.0	nr			
2H/14	Supply and installation of bidet shower.(Prime cost of bidet shower with fittings - Rs 7500 /= per No) .	2.0	nr			
2H/15	Supply and installation of 100mm dia stainless steel shower rose.(Prime cost of shower rose with fittings - Rs7500 /= per No)	1.0	nr			
2H/16	Supply and installation of stainless steel towel rail .(Prime cost of stainless steel towel holder with fittings -Rs 6500 /= per No)	2.0	nr			
2H/17	Supply and installation of stainless steel coat hook.(Prime cost of stainless steel coat hook. - Rs 1750 /= per No)	1.0	nr			
2H/18	Supply and installation of stainless steel soap tray .(Prime cost of stainless steel soap tray with fittings Rs 3000 /= per No)	2.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/19	Supply and installation of 20mm dia concealed valve.(Prime cost of 20mm dia concealed valve -Rs 5000 /= per No)	1.0	nr			
2H/20	Supply and installation of mirror 450mm dia .(Prime cost of mirror 450mm dia - Rs3750 /= per No)	2.0	nr			
2H/21	Supply and installation of 20mm dia stainless steel garden tap .(Prime cost of 20mm dia garden tap - Rs 1750 /= per No)	1.0	nr			
	<u>Gate valves</u>					
2H/22	50mm dia brass gate valves(Prime cost of 20mm dia gate valves - Rs 6500 /= per No)	1.0	nr			
2H/23	25mm dia brass gate valves(Prime cost of 25mm dia gate valves - Rs -2500 /= per No)	1.0	nr			
2H/24	25 mm dia non return valve(Prime cost of 25 mm dia non return valve - Rs 3000 /= per No)	1.0	nr			
	<u>Builders works</u>					
2H/25	150 mm x 150 mm x 125 mm deep injection moulded PVC floor trap (catchpit) with stainless steel grating on top and set in concrete and connected to waste water lines.	2.0	nr			
2H/26	Waste water gully internal size 225mm x 225mm x300mm deep in concrete floor including 130mm thick grade 15 concrete screed and 16mm thick 1:3 rendering to all exposed surfaces and finished smooth with neat cement float. Rate to include for necessary earthwork, grouting etc.	2.0	nr			
2H/27	Sewer manhole 450x 450mm and average depth not exceeding 500mm internally with and including all necessary excavation, earthwork, 160mm thick grade '20 concrete base, one brick thick brick walls, cement plasterwork, grade 20 rebated concrete pad on 10mm diameter tor steel bars at 20 mm crs. Bothways with bothways with lifting hooks.	2.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/28	Strom water manhole 450x 450mm and average depth not exceeding 500mm internally with and including all necessary excavation, earthwork, 150mm thick grade '20 concrete base and walls reinforce with 10mm dia tor steel 150 centers bothways , formwork , forming channel and benching in similar concrete as per detail drawing . Rate shall include for removable cover slab with lifting hooks.	3.0	nr			
2H/29	1200mm dia and 2400mm deep (internal) waste water soakage pit. The pit wall to be built in 225 brick work in cement with 1:5 alternate open joints as directed. rate to include 125mm thick concrete cover slab 1:2:4 (20)r/f with 12 mm dia tor bars at 150mm crs. bothways, and 16mm thick cement rendering 1:3 finish smooth. provide for in to 225x225mm concrete 1:2:4 (20mm) rebated pad to accomodate the cover	1.0	nr			
2H/30	1800x900x1650 (internal)septic tank with 1200x900x1650 (internal) attached soakage pit as shown in drawing. The septic tank base to be in 150mm thick concrete 1:2:4(20) r/f with 10mm dia. Tor bars at 200 crs. bothways. 225mm brick work in cement 1:5. 75mm thick R.C.C. cover slab reinforced as shown in drawing including cement rendering 1:3 finished smooth. 225x225 R.C.C. ring beam under soakage pit, 2 Nos.100mm dia. G.S.W. tees and 10mm thick cement rendering 1:3 with 5% pudlo to all internal surfaces of septic tank finished smooth. Rate to include for excavation, back filling and disposing surplus earth as directed.	1.0	nr			
2H/31	Supply and install plastishell 2000 Litr. water tank over the concrete toilet roof slab. Approved by the engineer.	1.0	nr			
PLUMBING AND DRAINAGE WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs		

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<u>Note</u> Electrical line diagram given are typical, changers may require in carrying out actual work. Contractor shall prepare the correct line diagram based on this typical balancing phase drawing work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000) The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations All Switches and Socket outlets shall be plated type make "Clipsal, Orange, ACL " or any other approval equivalent complying to SLS 1000:1993 for switches & SLS 1998:1991 for Socket outlets PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216 All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs All MCBs, RCCBs shall come with minimum of 10 years of warranty period. All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period					
2J/01	<u>Supply , install and wire the following Main Distribution Board (MDB)</u> TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, live bus bars, 3 nos pilot lamps (R,Y,B) insulated for observe incasing supply, comb busbar and incorporating din rail type, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD) <u>Outgoing Circuit Breakers</u> 01 No 4P 32A MCCB (18KA fault level) 01 No. 2P 32 A MCB Type C 01 No. 4P 25A MCB Type C 01 No. 4P 20A MCB Type C 01 No Earth leakage relay (0.3A - 3A) with shunt trip to main 32A 4 P MCCB	1.0	nr			
2J/02	<u>Supply , install and wire the following Distribution Board (DB1)-Building & Canopy</u>					

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/03	SP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamp (R or Y or B) Indicator bulb) with protection 1No 32A 2pole MCB, 10KA, Type C 01 No. 40A, 2-Pole RCCB 30mA 03 No. 6A 1-Pole MCB 10kA 02 No. 10A 1-Pole MCB 10kA 03 No.16A 1-Pole MCB 10kA	1.0	nr			
	<u>Supply , install and wire the following Distribution Board (DB2)-Fuel Terminal Pumps</u>					
	<u>Supply , install and wire the following Distribution Board (DB2)-Fuel Terminal Pumps</u>					
2J/04	TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamps (R,Y,B Indicator bulbs) with protection 01 No. 25A 4-pole MCB Type C 03 No. 20A, 2-pole MCB 10kA 06 No. 16A 2-Pole MCB typC 03 No. 20A, 2-Pole RCCB 100mA	1.0	nr			
	<u>Point wiring including switches (Luminaries measured separately)</u>					
	Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits	23.0	nr			
2J/05	Logo point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC + 2.5mm ² CU/PVC earth Cable in concealed PVC conduits	1.0	nr			
2J/06	Two away Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/07	Wall fan points wire using 2x1Cx1.0mm ² Cu/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduits <u>Supply Install & wire the following</u>	2.0	nr			
2J/08	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 4 number fo socket outlets) Socket outlets are included	1.0	nr			
2J/09	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 2 number fo socket outlets) Socket outlets are included	1.0	nr			
2J/10	Yard light point wired from 20 A double pole indicator switch using 2C x 1 x 1.5mm ² Cu/PVC /SWA/PVC copper cable installed minium 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and backfilling.Allow for a G.I conduit where the cable has to go through a concrete (a) . 20A double pole indicator switch (b) . For the wiring	2.0 40.0	nr m			
2J/11	Supply for signage tower wire from double using 2C x 1 x 1.5mm ² Cu/PVC/SWA/PVC installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete (a) . 20A double pole indicator switch (b) . For the wiring	1.0 20.0	nr m			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/12	Supply for air tower wire 2CX1x1.5 mm2 CU/PVC/SWA/PVC to a weather proof outlet using necessary sunk boxes etc. to a suitable point near air tower installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete <u>Armoured cable shall be properly connect with the earth.</u> (a) . 10A one gang one way switch with weather proof cover (IP65) (b) . For the wiring	1.0 25.0	nr m			
2J/13	Air compressor wired through a 20A 4pole MCB, 10kA in the DB1 using 4Cx4mm2 Cu/PVC/PVC +4mm2 CU/PVC earth wire in PVC conduit (a) . 20A 4 pole MCB Type C+20A 4 Pole RCCB 100mA in Transparent polycarbonate enclosure (b) . For the wiring	1.0 20.0	nr m			
2J/14	Supply for D/LAD Pump light bulb wire using 2C x 1 x 1.5mm2 Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly connect with the earth.</u> (a) . 10A one gang one way switch with weather proof cover (IP65) (b) . For the wiring	1.0 20.0	nr m			
2J/14	Supply for LP 92 Pump light bulb wire using 2C x 1 x 1.5mm2 Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly connect with the earth.</u>					
	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/15	(b) . For the wiring <u>Supply, install and connect for fuel pump terminals</u> 2Cx 1 x 2.5mm² CU/PVC/SWA/PVC underground cable installed minimum 2ft below the finished floor level and terminated to a petroleum resistive terminal. Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly with the earth.</u>	10.0	m			
2J/16	<u>Light Fittings</u> Supply and installation of following light fittings. Light fitting shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to the installation. All LED bulbs shall carry minimum of 2 years warranty warranty cards shall be handed over once the installation is completed 100W LED High Bay Light fitting, IP65, water proof, 180-250VAC operating voltage, 50hZ, Power factor more than 0.9, Colour 6500K, CRI shall be more than 80, with Aluminium cover & required accessories such as stell rod to bolt/weld the light fitting to the roof steel purlin. Further, a safety stainless steel rope/chain shall be fixed to the light fitting via the roof steel purlin to avoid fitting faaling down.(Prime cost of 100W High Bay lamp fitting with similar specification is Rs.10,500/-)	100.0	m			
2J/17	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQURE TYPE) for sales office, workers rest, electrical generator room , store room , Manager room , Balony	9.0	nr			
2J/18	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	7.0	nr			
		2.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/19	Supply and installation of sofit mount lamp fitting comprising, 12W LED lamp of square type (day light) and all other accessories required for toilet, bathroom & stores	2.0	nr			
2J/20	Weather Proof pendant lamp fitting with 15W LED daylight bulb for LAD pump terminal	2.0	nr			
2J/21	Weather proof (IP 65) bulk head light fitting with 15W LED daylight for outside of the main building and outside of desale toilet.	4.0	nr			
	<u>FANS</u>					
2J/23	Supply & installation of 16" wall fan (European/Japanese make), complete with all accessories, Guarantee cards should be provided from accredited agent. Note : Wall fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards to be submitted before the installation.	2.0	nr			
	<u>Supply, install and Wire Following Earth Electrode</u>					
2J/24	Provide an earth electrode using 16mm diameter Copper rod of 4.0m length and copper earth 6mm ² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms.	1.0	item			
2J/25	provide an earth electrode using 16mm diameter Cu rod of 4.0m length and copper earth 6mm ² Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 10 Ohms.(For TWO Unloading Point)	1.0	item			
	<u>Supply, Connect and install the Following Cables</u>					
2J/26	1x4Cx10 mm ² CU/PVC/PVC Cable from CEB Meter to MDB in concealed PVC conduit	5.0	m			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/27	2Cx6mm ² CU/PVC/PVC cable & 1 x 6mm ² copper earth cable from MDB to DB1 in recessed PVC conduit	7.0	m			
2J/28	1x4Cx4mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from MDB to DB2 in PVC conduit	10.0	m			
2J/29	1x4Cx10mm ² CU/PVC/PVC cable from Generator to MDB	15.0	m			
	<u>GI Pipe to fix LED street light</u>					
2J/30	Supply and install yard light pole in 75mm dia. Medium duty G.I. pipe 6m above the ground level to fix the LED street light fitting	2.0	nr			
	<u>Inspection & Testing</u>					
2J/31	Testing the entire installation and rectify any defects and submit a certificate by a chartered electrical engineer for electrical installation	1.0	item			
ELECTRICAL INSTALLATION TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs.		
2K	<u>PAINTING</u>					
2K/01	Prepare surface and apply one coat of approved primer and two coats of master palatte emulsion paint of an approved colour and quality to internal wall surface including reveals in building	195.0	m ²			
2K/02	Prepare surface and apply one coat of acrylic primer and two coats of master palatte weather shiled paint of an approved colour and quality to external wall surface including reveals in building	106.0	m ²			
2K/03	- Ditto - Eaves ceiling	8.5	m ²			
PAINTING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs		

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B.O.Q. No. 2026 /MIR /20 / 02 .



BILL 02 - BUILDING WORKS

S U M M A R Y

ITEM	DESCRIPTION	AMOUNT
2A	DEMOLITION AND CLEARING	
2B	EXCAVATION AND EARTH WORK	
2C	CONCRETE WORK	
2D	RUBBLE AND BRICK WORK	
2E	ALUMINIUM DOORS AND WINDOWS	
2F	ROOFING WORK	
2G	FINISHES WORK	
2H	PLUMBING AND DRAINAGE WORK	
2J	ELECTRICAL INSTALLATION	
2K	PAINTING	
TOTAL CARRIED TO MAIN SUMMARY		Rs.

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CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No.2026 /MIR/20 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
3A	<u>BILL NO- 03 - CONSTRUCTION OF CANOPY EXCAVATION AND EARTH WORK</u>				
3A/01	Excavation for column pits depth not exceeding 1.0m from finished ground level.	9.00	m ³		
3A/02	Supply filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated (if necessary)	7.00	m ³		
3B	<u>CONCRETE WORK</u>				
	<u>Plain concrete -1:3:6 (25mm aggregate)- Grade -15</u>				
3B/01	50mm thick concrete screed under column footings.	6.50	m ²		
	<u>Reinforced cement concrete -1:2:4 (20mm aggregate)- Grade - 20</u> (Reinforcement measured separately)				
3B/02	300mm thick column footings	1.50	m ³		
3B/03	In column base up to ground level	0.80	m ³		
3B/04	Supply and installing of 200mm x 200mm universal column (Approx 6.0m height from finished floor level) . steel column to be fixed with 25mm dia. rag bolts embedded in 1:2:4 (20mm) concrete foundation including 300mm x 300mm x 20mm M.S.base plate welded to steel column at bottom as per detail drawing (Concrete measured separately). Rate to include for painting.	4.00	nr		
	<u>Reinforcement</u>				
3B/05	12mm tor steel in column footing	60.0	kg		
3B/06	16mm tor steel in column	130.0	kg		
3B/07	6mm mild steel in columns	35.0	kg		
	<u>Formwork</u>				
3B/08	To vertical sides of coloumn	14.0	m ²		

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B.O.Q. No.2026 /MIR/20 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3B/09	<u>Pump Island</u> 750mm wide 300mm high pump Island in 100mm block or half brick walls filled with river sand and 75mm thick 1:3:6 (25m) concrete on top finished with black Ceramic tiles of approved size and design to pump bed . Rate to include 12mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as directed	8.0	m			
3C	ZINC ALUMINIUM ROOFING IN CANOPY					
3C/01	AZ - 150 Zinc Aluminium Colour bonded corrugated roofing sheets of approved profile (not less than 0.47mm total coated thickness), approved quality and colour on steel frame work as shown in drawing in canopy (Frame work measured separately)	88.0	m ²			
3C/03	Aluminium white colour (Code RAL - 9003) Composite sheet fascia (4mm thick 1hr fire rated) of approved quality and colour on GI frame work as per fixing details in drawing to engineer's approval (Frame work measured seperately) . Rate to include supply install 200mm high red colour composite cladding strips around to (Code RAL3000) composit cladding fascia , as per detail drawing No CEYPET / ENG / SK / 0365-B.	40.0	m ²			
3C/04	Approved 4mm thick 1 hr fire rated mineral core Aluminium Composite panel (Colour code RAL - 9003), Alpolic or similar material including necessary 100x20x2mm and 60x30x2mm Galvernized "C" channel frame work to detail and approval around columns	52.0	m ²			
3C/05	Colour Bonded Zinc Aluminium 300mm x 225mm gutters with a coated thickness of 0.47 mm all as per manufactures specification and details drawings in roof. Rate shall include for all necessary specials. (down pipes measured separately)	10.0	m			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C/06	Colour Bonded Zinc Aluminium down pipe 125mm x 125mm square type with a coated thickness of 0.47mm fixed with G.I. brackets complete with specials and embedded in concrete column connection to external rain water canals.	11.0	m			
3C/07	Supply and fixing 0.47mm Zn / Al plain sheet flashing to canopy roof . The width of the flashing should not be less than 600mm	23.0	m ²			
<u>STRUCTURAL STEEL AND ROOFING WORK</u>						
Painting of Steel						
Paint selection specification						
Anticorrosive Coatings used should be selected as per following Guide lines						
Corrosivity and environment conditions as per independent Standard ISO 12944						
The selection of coatings and cleaning process should be based on following criteria to prevent further rusting after the rectifications						
The primer use shall be heavy duty and marine grade with minimum solids of 80%(to achieve Higher DFT in one coat) and shall be surface tolerant type to suit site steel surface cleaning possibilities						
Primer used shall be compatible with cleaning of fresh water to be free of salt and contamination deposits at current steel structures and properly dry. Maximum use of electro mechanical Power						
Tools as a combination of Wire brushes and Disc sanders/power brush and Needle chipper as needed and all rust debris shall be disposed when selecting steel cleaning equipments utmost care and safety should be employed as a inflammable environment and flames and sparks should be totally avoided and recommended only Non magnetic Phosphor/Bronze type.						

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
	The steel with flaking paint peels/non adhesive Coatings should be 100% removed and all locations with spot rusts, paint cracked corrosion blister corrosions and corrosions at weld seams/sharp edges/corners etc should be thoroughly cleaned and wherever there is old paint intact existing zinc phosphate primer undercoat) should be slightly roughened with sand papering. <u>Selection of primer for the full coat</u> For the Steel selections covered inside by the canopy following is recommended 1 st Coat 75-100 Microns DFT Marine Grade (2 component Base and Hardener Type) High solid Heavy duty marine Coatings PRIMER with Minimum solids content 80% Polyamine cured Epoxy surface tolerant suitable for 2nd grade surface preparation (as per existing cleaning possibility) and where sand blasting is not practical and the Epoxy primer selected should withstand St2-St3 type of manual cleaning and epoxy over coatable on aged old wheathered Tar free existing paints and tar free and withstand Hot Sun steel temperature of minimum 100-120 0C as exposed to exteriors and achive a minimum 75-100 Microns Dry Film Thickness /Equivalent to Sigma cover 630 or alike and prior to applications contractors should submit marine paint manufacture's certified product Data Sheet and systems heets and obtain approval from CPC Engineering (Suppliers should not use 2nd grade industrial Grade as Marine environments) Low quality Bitumen anticorrosive paints not acceptable. 2nd Coat 50-75 Microns DFT				

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	Marine Grade (2 component Base and Hardener Type) Medium solid Heavy duty marine Coatings PRIMER/Coating with Minimum solids content 60% Polyamide cured Epoxy colour Black matt with Micasious Iron oxide pigmented with good adhesion on 1 st coat and tar free and with stand hot sun steel temperature of minimum 100-120 0C as exposed to exteriors Oven effect and achieve a minimum 50-75 Microns Dry Film thickness (Low quality Bitumen anticorrosive paints not acceptable) equivalent to Sigmacover 522/435 MIO EPOXY or alike and prior to applications contractor should submit marine paint manufacture's Certified product Data Sheet and system sheets and obtain approval from CPC Engineering (suppliers should not use as 2 nd Grade material Marine environmenets) Contractor should provide samples of paint layers to determine the paint thickness while work in progress.					
3C/08	Supply and fixing 150mm x 75mm (14kg/m) universal beam in canopy roof as shown in drawing. Rate to include paint to detail	18.0	m			
3C/09	-Ditto - 200mm x 133mm (25kg/m) I section universal beam as in detail drawing ---do---	40.0	m			
3C/10	- Ditto - 150mm x 65mm x 2.3mm galvanized lip channel as in detail drawing	80.0	m			
	<u>Fascia of canopy</u>					
3C/11	Supply and fixing of GI rectangular hollow section (RHS) 50mm × 25mm × 2mm thick, including cutting, welding, grinding, surface preparation in canopy fascia frame as per detailed drawings and Engineer's instructions. Rate to include paint to detail above.	110.0	m			
3C/12	Supply and fixing 12mm thick 350 x 350mm base plate on top of column	4.0	No			
3C/13	16mm J bolts embeded on top of coloumn	32.0	No			

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B.O.Q. No.2026 /MIR/20 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C/14	Supply , fabricate and fixing 63mm dia Heavy duty GI pipe pump guard as per detail drawing CEYPET/ENG/00.. and as directed	4.0	No			
3D/-	<u>ELECTRICAL WORK</u>					
3D/01	Supply and installation of LED strip light (IP65) around the fascia (inside the red colour PVC new fascia) of the main canopy and water proofed, colour 'Red' (3 nos strips : top, middle and bottom) as per the drawing CEYPET / ENG / SK/ 0440. LED strip light shall have minimum 2 years warranty period.	40.00	m			
3D/02	Supply, fabricate and install double side light box of (Size 1200mmx150mmx400mm). As per the Sketch No Ceypet/0437 With 18 watt waterproof LED light inside .	2.0	nr			
3D/03	Lockable drawer unit integrated into cladded column, finished with matching cladding material. Designed as a temporary cash storage facility . Drawer fitted with smooth sliding rails, secure locking mechanism as per the Sketch No Ceypet/0437.	2.0	nr			
	<u>Supply , Fabricate and Installation of Logo, Lettering</u>					
3D/04	Supply , fabricate & installation of 900mm dia 75mm wide logo circular frame & figure with 3 mm white Perspex sheet completed with colour stickers & light fittings, as per detail drawing No CEYPET / ENG/ SK/0365-B	1.0	item			
3D/05	Supply , fabricate & installation of 400mm high red colour perspex sheet Boxed type letters finished with 75mm thick embossed as per detail drawing No CEYPET / ENG/ SK/0365-B	1.0	item			
CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-		

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JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR /20/ 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	BILL NO- 04 - DRIVE WAY & MISCELLANEOUS WORK					
4A	<u>DRIVE WAY</u>					
	Paving Blocks					
	Notes					
	Paving blocks should be purchased from a well reputed manufacturer and should have at least compressive strength equivalent to Grade 30 concrete.(Test report to be submitted) The colour should be absolute black size of the paving stone should be 220mm x 110mm and height 80mm					
4A/01	Paving stone should be supplied and placed on 50mm (min) sand bedding on the well compacted soil to the specified slope. Edges of the paving should be finished with mass concrete equivalent to paving stone strength.	550.0	m ²			
4A/02	Cut and remove existing top soil layer to a depth of 300mm. Rate shall includes loading , transporting, and disposing of all excavated material away from site to a place provided by the contractor as per engineers' approval.	100.0	m ³			
4A/03	Supply , filling and compacting imported soil approved by Engineer to required density using 8 ton vibrator roller (minimum 6 passes at a time with necessary watering). maximum height of a layer should be 150mm. (Measurments for the Compacted Volume)	100.0	m ³			
4A/04	Supply, spread and compact to approved density graded aggregate base course (A B C) using 37.5mm aggregate .	150.0	m ³			
4A/05	Cutting and Demolishing 150mm thick existing RCC / Tar surface of driveway .	10.0	m ²			
	<u>Existing Boundry wall</u>					
4A/06	Demolishing and removing existing boundary wall (Rear side of land , Approx. 15.0m long x 1.5m high) except foundation . All debris to be removed from site to a location arranged by the contractor.	1.0	item			

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B.O.Q. No. 2026 /MIR /20/ 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4A/07	1:2:4 (20mm) reinforced cement concrete 225mm x 150mm plinth beams on top of existing rubble foundation reinforced with 4 nos 12mm tor bars with 6mm M.S. stirrups at 150mm crs (Rate to include R/F and F/w)	15.0	m			
4A/08	1:2:4 (20mm) reinforced cement concrete 150mm x 150mm column (1650mm Above ground level) reinforced with 2 nos 10mm bars with 6mm M.S. stirrups at 150mm crs (Rate to include R/F and F/w) at 3.0m crs.	0.3	m ³			
4A/09	100mm thick cement block work in cement sand mix 1:5 in ground floor walls (blocks confirming to S.L.S.855 and subject to the approval of sample blocks) .	25.0	m ²			
4A/10	1:2:4 (20mm) reinforced cement concrete 100mm x 150mm Tie beams on top of wall reinforced with 2 nos 10mm bars with 6mm M.S. stirrups at 150mm crs (Rate to include R/F and F/w)	15.0	m			
4A/11	16mm thick cement sand plaster 1:5 to surfaces of boundary walls finished semi rough with wooden float.	50.0	m ²			
4A/12	Prepare surface and apply one coat of primer and two coats of weather shield paint of an approved colour and quality to boundary wall surface .	80.0	m ²			
	<u>Repair to Manhole</u> Note:- <u>Water proofing of manholes should be done according to the following specifications.</u> a). All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant . b). All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.) (c). Water proofing to be given to reputed agent with 5 years guarantee .					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR /20/ 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4A/13	Demolishing existing fuel tank manhole and Supply , fabricate and installing of (Approximately) 750mm x 750mm x 900mm deep (internally) under ground fuel tank manhole complete with 12mm thick MS plate manhole cover 750mm x 750mm and frame including 2 Nos Liftings hooks. 150mm thick reinforced 1:1 1/2:3 (20mm) concrete wall with 10mm tor steel bars at 200mm c/c to be welded at top of the M/S plate up to manhole top and bind 10mm tor steel bars at 200mm c/c horizontally .All surfaces of walls to be plastered and finished smooth with neat cement and applied with water proofing epoxy paint ensuring no water leak inside. All works to be done as per detail drawing no CEYPET /ENG/0511	3	nr			
	<u>Fuel dispensing pipe lines</u>					
4A/14	Supply and laying 37.5 dia GI heavy duty pipe from underground tank to dispensing pump. Rate to include all bends tank top valve and accessories / fittings as required based on the shop drawing prepared by the contractor and approved by the Engineer , 300 mm wide 450mm deep trench excavation and back filing with river sand and compacted to approval	60.0	m			
4A/15	- Ditto - vent pipe . Rate to include applying two coats of anticorrosive paint	12.0	m			
4A/16	Supply and fixing of Tank top valve (brass) with one year warranty to connect pipeline as approved by the Engineer.	2.0	Nos			
4B/-	<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>					
	a). Base for signage shall be 5'-0" x4'-0"x4'-0" deep grade 25 concrete, reinforced with 16mm and 12mm tor steel, with 20mm thread bars to fix the body using galvanized nuts & bolts. Body should be fixed using 20mm thick mild steel plates (size varies according to the size of base) The plates should be concealed.					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR /20/ 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	b). Double sided signage will have a 4" "U" channels fixed to both sides of the pylon reinforced with 1"x2" square tubes (2Nos. On each side) to mount the cladding and with 2"x2"x6mm angle iron horizontal bracings at 18" intervals on both sides of the structure with an additional 1"x6mm thick mild steel flat iron, bent to required shape to hold the cladding. c). 4'-0" diameter circular pylon head structure (logo supporting structure) to be manufactured with 1 1/2" x 3/8" thick flat iron circles (2 Nos) braced at 8 points around the flat iron with same size flat iron. This structure will be fixed to the pylon structure via a 4" diameter G.I. hollow pipe, (Heavy duty)spray painted fixed with nuts and bolts. <u>The entire steel frame structure to be hot dipped galvanized.</u> d). No drilling or welding to be carried out after galvanizing process is completed. e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work. f). All illuminated sections of the pylon to be (Company logo) fabricated using 3mm acrylic (perspex) sheets with the embossed figure at the center and wording at edges as specified from the same material. g). The Signage should be provided with adequate lighting by use of 3Nos 18w 2'-0" florescent lights (European make with 2 Year warranty) wired separately from the bottom to top through conduits. External illumination should be provided with 2 Nos Assymetrical type flood lamps with 250w mercury vapour lamp (1P 65) fix to the top of the structure. Wiring to be done with 2 x 1C x 1 mm² cu/ PVC/ wire. with a suitable way to the Engineer's satisfaction with a supportive structure. All materials including conduit (under ground) and wiring from the available supply point (approximately 50m) to be included in the rate.					
	i). Letters to be with PVC luminous stickers on the colour bonded sheets as per the font, letter type, colour and wording given by the CPC					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR /20/ 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive. k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation. l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication. m). The successful tender should submit a guarantee for a minimum period of 10 years for anticorrosion of structure stability, and 05 years warranty to the colours of PVC stickers. n). The rate shall include for the transporting handling and all other involvement in the erection signages at outstations. The proposed outstations are attached herewith.					
4B/01	Supply ,fabricate and install of 1200mm x 5500mm double sided pylon signage as per specification and detailed drawing	1.0	Nr			
4C/01	Allow lump sum for Construction of air compressor and Generator room as per detail drawing.	1.0	Nr			
DRIVE WAY & MISCELLANEOUS WORK TOTAL CARRIED TO MAIN SUMMARY				RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR /20/ 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
5A/	BILL NO- 05- CONSTRUCTION OF SINGLE CANOPY CONSTRUCTION OF SINGLE CANOPY <u>Notes</u> The rates quoted by the tenderer should include for the followings items. <u>Foundation (02 Nos.):</u> Excavation, 450mm x 450mm x 900mm deep and 300mm thick 1:2:4 (20mm)concrete base as shown in drawing No-CEYPET/ENG/SK/0021. <u>Canopy post (2Nos)</u> Canopy post 75mm diameter G.I (Medium duty) Pipe welded to 10mm thick MS base plate embeded in the painted to 1:2:4 (20mm) concrete foundation . Rate to include spray painted to manufacturers specifications. As shown in drawing. No-CEYPET/ENG/SK/0021. <u>Roof work</u> Supply & Fixing Zinc Aluninium colour bonded roofing sheets(not less than 0.47mm total coated thickness) on steel frame work which include all neccessay angle iron (25mm x25mmx 6mm) structural frame work as shown in drawing. <i>Rate will also include for applying two coats of anticorrosive paint as per the description under 'Painting of Steel' in the Main Canopy BOQ.</i> <u>Fascia</u> Aluminium Composite sheets fascia,alpolic or equivalent, similar material mineral core (4mm thick one hour fire rated)of approved quality and colour on G.I frame work as per fixing details in drawing to engineer's approval. <u>Ceiling</u> Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing				
a			Note		
b			Note		
c			Note		
d			Note		
e			Note		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR /20/ 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
	<u>Light fittings</u>				
f	The single canopy should be provided with adequate lighting by use of 2 nos. fluorescent lights fittings complete with 600mm fluorescent bulb complete with diffuser etc.. wired to the inside of the top section through a 5 AMP sunk switch. Wiring should be done with 2x1c x 1.13 PVC insulated copper conductor & 1x1c x 7/0.67 PVC insulated copper earth conductor through 1000g water tight PVC conduit. All materials including conduit (under ground) and wiring from the available supply point (approximately 25m) to be provided.		Note		
g	The rate will include for fabricate, installing single canopy .The proposed locations are given below.		Note		
5A/01	Fabricate, supply & install single canopy as per specification & detail drawing no .CEYPET/ENG/SK/0021	3.0	No		
5A/02	2000mm long 1000mm wide 300mm high pump Island in 100mm Block or half brick walls filled with river sand and 75mm thick 1:3:6 (25m) concrete on top finished with black Ceramic tiles of approved size and design to pump bed rate to include 12mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as shown in drawing no - CEYPET/ENG/SK/0021	3.0	m		
5A/03	Supply , fabricating and installing G.I pump guard. Using 65mm Dia G.I (Medium duty) 3.6mm thick pipes fixed to 6mm thick MS plate by (size 150x 150mm) with 4Nos 12mm Dia rag bolts and placed in 1:2:4(20) concrete base.(200x 200x 150mm) .Rate to include excavation , form work , and applying two coat of primer and one coat of enamel paint to G.I pipes as per detail drawing No CEYPET/ENG/SK/0060 given below.				
5A/03.1	Pump guard 1800mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	6.0	No		
5A/03.2	Pump guard 900mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	6.0	No		
SINGLE CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR/20 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
6/-	<u>BILL NO- 06 - TANK INSTALLATION OF 01 NOS 3000 GALLON UNDER GROUND TANK</u> <u>Important Note</u> The contractor shall purchase a new 3000 gallon tank from a reputed manufacturer, ensuring compliance with CPC standards and adherence to relevant quality assurance requirements. It is contractor's responsibility to clean the inside of the tank after installation. " Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG32017 2 feet working space shall be considered in measurement <u>Construction sequence for underground tank installation</u> (1) The contractor should strictly follow the below mentioned sequence for construction of RCC tank chamber and installation of the steel tank inside the chamber. (2)Excavation for tank pit (3)Base concrete with approved water proofing admixture (make two water access holes 300mmx300mm at two opposite corners of the base concrete to avoid any upthrust impose). i.e These holes are not to be concreted when the base is concreted. (4) Outer wall concrete with approved water proofing admixture (5) concrete curing for 21 days. (6) Tank installation (water access holes should be filled with concrete of the same Grade and water proofed a little time before the tank installation					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR/20 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(7)Backfilling with sand the inside bottom part of the camber					
	(8) Backfilling with soil inside and outside of the chamber					
	<u>Tank Pit Excavation</u>					
6/01	Excavation in tank pit in any type of soil except rock requiring blasting .	102.00	m3			
	<u>Shoring</u>					
6/02	Timber shoring 50mm thick including frame work where necessary. As per instruction by site Engineer . Measurment will be taken on nett surface of timber planks	75.00	m2			
	<u>Dewatering</u>					
6/03	Allow for dewatering underground water. In any area during the period of construction.	1.00	Nos			
	<u>Sand filling</u>					
6/04	River sand filling to a height of 3'6" above base concrete slab.	12.00	m3			
	<u>Excess Earth</u>					
6/05	To transport excavared excess earth away from site to a location by the contractor .	102.00	m3			
	<u>Hard earth filling</u>					
6/06	Approved selected dry earth filling(above sand filling)spread in layers not exceeding 6" at anytime, watered well rammed & consolidated.	25.00	m3			
	<u>Polythene</u>					
6/07	500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab and top concrete . Rate shall include for upstand to sides and corners not exceeding 6" in height .	40.00	m2			
	<u>Concrete work</u>					
6/08	150mm R.C.C 1:1 1/2:3 (20mm) in tank concrete top slab reinforced with 10mm dia .Tor bars at 200mm centers both ways. (Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	3.50	m3			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR/20 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
6/09	150mm R.C.C 1:1 1/2:3(20)in tank concrete base slab reinforced with 10mm dia . Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for150mm x150mm concrete runners .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	3.50	m3			
6/10	150mm R.C.C 1:1 1/2:3(20)in tank concrete walls reinforced with 10mm dia . Tor bars at 225mm centers both ways .Rate to include for 150mm x 150mm concrete runners .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	8.00	m3			
	<u>Form work</u>					
6/11	Form work to sides of walls ,cover slabs,edges for tank pit .	115.00	m2			
	<u>Reinforcement</u>					
6/12	Supplying fixing or laying 3/8" tor bars in R.C.C base slab ,walls and top slab	750.00	Kg			
	<u>Fabric Mesh</u>					
6/13	BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)	25.00	m2			
	<u>Under Ground Fuel Tank Manhole</u>					
	Note:- Water proofing should be done according to the following specifications. a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant . b)All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.) (c)Water proofing to be given to reputed agent with 5 years guarantee .					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /MIR/20 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
6/14	Supply, fabricating and installing of (approximatly) 750 mm x750mm X 900mm deep (internally)under ground fuel tank manhole complete, with 12mm MS plate square manhole cover(Size 2'9"x2'9") and frame with a total thicknes of walls 225mm by R.C.C 1: 1 1 /2 :3(3/4") and masonary brick side walls including form work and reinforcement,10mm tor steel bars @200mm centres bothways and tank top concrete to be reinforced with Y10mm tor steel bars and 2/8" MS roads.All concrete and brick surfaces to be applied with epoxy paint(Free Mastic G-316 or equivalent) to side walls.5/8" G.I. lifting hooks tied to yard concrete reinforcement and external sides of the brick wall finished smooth with neat cement plaster as per drawing No - CEYPET /ENG/0511	2.00	nr			
6/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.00	nr			
6/16	Supply , Fabricate , transport and Installation of 3000 Gallon under ground fuel tank (as per the CPC Standard and attached specification) with necessary accessories (straps and bolts etc.) CPC , standard as shown in drawing . Rate to incldes tank transport and all handling charges.	1.00	nr			
	TOTAL AMOUNT IN 01 NO TANK			RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MIRIGAMA

B.O.Q. No. 2026 /ELP /20 / 07- TANK INSTALLATION OF 5000 GALLON TANK.

Item	Description	Qty	Unt	Rate	Amount Rs. Cts.
7/-	<u>BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON UNDER GROUND TANK</u> <u>Note</u> The contractor shall purchase a new 5000 gallon tank from a reputed manufacturer, ensuring compliance with CPC standards and adherence to relevant quality assurance requirements. It is contractor's responsibility to clean the inside of the tank after installation. " Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG52017 2 feet working space shall be considered in measurement <u>Construction sequence for underground tank installation</u> (1) The contractor should strictly follow the below mentioned sequence for construction of RCC tank chamber and installation of the steel tank inside the chamber. (2)Excavation for tank pit (3)Base concrete with approved water proofing admixture (make two water access holes 300mmx300mm at two opposite corners of the base concrete to avoid any upthrust impose). i.e These holes are not to be concreted when the base is concreted. (4) Outer wall concrete with approved water proofing admixture (5) concrete curing for 21 days. (7) Tank installation (water access holes should be filled with concrete of the same Grade and water proofed a little time before the tank installation (8)Backfilling with sand the inside bottom part of the camber				

	(9) Backfilling with soil inside and outside of the chamber				
	<u>Tank Pit Excavation</u>				
7/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	140.0	m ³		
	<u>Shoring</u>				
7/02	Timber shoring 50mm thick including frame work where necessary. As per instruction by site Engineer . Measurment will be taken on nett surface of timber planks	90.0	m ²		
	<u>Dewatering</u>				
7/03	Allow for dewatering underground water. In any area during the period of construction.	1.0	item		
	<u>Sand filling</u>				
7/04	River sand filling to a height of 3'6" above base concrete s	17.0	m ³		
	<u>Excess Earth</u>				
7/05	To transport excavared excess earth away from site to a location by the contractor .	140.0	m ³		
	<u>Hard earth filling</u>				
7/06	Approved selected dry earth filling(above sand filling)spread in layers not exceeding 6" at anytime, watered well rammed & consolidated.	35.0	m ³		
	<u>Polythene</u>				
7/07	500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab and top slab . Rate shall include for upstand to sides and corners not exceeding 6" in height .	50.0	m ²		
	<u>Concrete work</u>				
7/08	150mm R.C.C 1:1 1/2:3 (20mm) in tank concrete top slab reinforced with 10mm dia .Tor bars at 150mm centers both ways .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	4.00	m ³		
7/09	150mm R.C.C 1:1 1/2:3(20)in tank concrete base slab reinforced with 10mm dia . Tor bars two layers (Top and bottom) at 225mm centers both ways .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	4.00	m3		

7/10	150mm R.C.C 1:1 1/2:3(20)in tank concrete walls reinforced with 10mm dia . Tor bars at 200mm centers both ways . (Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	10.20	m ³		
	<u>Form work</u>				
7/11	Form work to sides of walls ,cover slabs,edges for tank pit .	140.00	m ²		
	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>				
7/12	Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	1300.0	Kg		
7/13	<u>BRC Mesh</u> BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)	26.0	m ²		
	<u>Under Ground Fuel Tank Manhole</u> Note-: Water proofing should be done according to the following specifications. a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant b)All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.) (c)Water proofing to be given to reputed agent with 5 years guarantee .				
7/14	Supply , fabricate and installing of (Approximately) 750mm x 750mm x 900mm deep (internally) under ground fuel tank manhole complete with 12mm thick MS plate manhole cover 750mm x 750mm and frame including 2 Nos Liftings hooks. 150mm thick reinforced 1:11/2:3 (20mm) concrete wall with 10mm tor steel bars at 200mm c/c to be welded at top of the M/S plate up to manhole top and bind 10mm tor steel bars at 200mm c/c horizontally .All surfaces of walls to be plastered and finished smooth with neat cement and applied with water proofing epoxy paint ensuring no water leak inside. All works to be done as per detail drawing no CEYPET /ENG/0511	2.0	nr		

7/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.0	nr		
7/16	Installation of removed 5000 Gallon under ground fuel tank with necessary accessories (traps and bolts etc.). Rate to incldes all handling charges.	1.0	nr		
	TOTAL FOR ONE TANK			RS-	

BILL OF QUANTITIES
CEYLON PETROLEUM CORPORATION
JOB: RE CONSTRUCTION OF L.F.S. MIRIGAMA
B.O.Q. No. 2026 /MIR /20



MAIN SUMMARY

BILL NO- 01 - PRELIMINARIES	Rs
BILL NO- 02 - BUILDING WORKS	Rs
BILL NO- 03 - CONSTRUCTION OF CANOPY	Rs
BILL NO- 04 - DRIVE WAY & MISCELLANEOUS WORK	Rs
BILL NO- 05- CONSTRUCTION OF SINGLE CANOPY	Rs
BILL NO- 06 - TANK INSTALLATION OF 01 NOS 3000 GALLON	Rs
BILL NO-07- TANK INSTALLATION OF 01 NOS 5000 GALLON	Rs
 SUB TOTAL 01	 Rs
 LESS DISCOUNT (If any)	 Rs
 SUB TOTAL 02	 Rs
 LESS CREDIT ON SALVAGE MATERIAL	 Rs
 SUB TOTAL 03	 Rs
 ADD (S.S.C.L 2.5%)	 Rs
 SUB TOTAL 04	 Rs
 ADD (18% VAT)	 Rs
 TOTAL WITH TAXES	 Rs
Total amount in words	
.....	
Name of Tenderer	
.....	
VAT Registration No :-	
Address	
.....	
.....	
Date	Signature of Tenderer

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
A	<u>BILL NO 01 - PRELIMINARIES</u>				
1A	<u>PRELIMINARIES</u>				
	<u>Bonds & Insurance.</u>				
1A/01	Allow lump sum for providing bid security	1.00	Item		
1A/02	Allow lump sum for providing insurance	1.00	Item		
1A/03	Allow lump sum for providing a performance Guarantee.	1.00	Item		
1A/04	Allow lump sum for providing an advance payment guarantee.	1.00	Item		
	<u>Temporary Buildings.</u>				
1A/05	a)Provide Lump Sum to construct good quality office with good ventilation for Client/Consultant staff.(approx 15m ²)and to provide two chairs, one table .	1.00	Item		
1A/06	b)Provide Lump Sum to construct water-tight shed equipment and maintain temporary buildings for protection and storage of materials, plant and workshops.	1.00	Item		
1A/07	c)Allow for temporary sanitary accomodation of site for the contractor's staff and workmen .	1.00	Item		
1A/08	Provide Lump Sum to construct good quality lockable hut for cash office /store for the filling station staff (approx 24m ²)	1.00	Item		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
1A/09	Provide Lump Sum for erection of temporary site office for contractor with electricity ,water supply waste and drainage facilities.(approx 20m2)	1.00	Item		
1A/10	Allow for supply water for use during construction .It shall be the responsibility of the contractor to find the source of supply and storage facilities and internal arrangement and payment for consumption to authorities .	1.00	Item		
1A/11	Allow for supply temporary electricity to the site for the works including obtaining connection internal arrangement and payment to authorities .	1.00	Item		
	<u>Setting out</u>				
1A/12	Provide Lump sum for setting out of the works.	1.00	Item		
TOTAL FOR PRELIMINARIES WORK CARRIED BILL NO - 01 TO SUMMARY.					

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION
SALES BUILDING**

B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount
	<u>BILL NO 02 - BUILDING WORKS .</u>				
2A	<u>DEMOLITIONS</u>				
2A/01	Clearing site including levelling as required and remove surplus excavated materials from site to place to be provided by the Contractor.(Approximate area 700m2)	1.00	Item		
2A/02	<u>Demolition.</u> Demolish and remove existing structures from the site. Existing single story sales building(Approxi :size 5.0mx10.5m), 3no's single canopie,temporary canopy and other structures, plastered brick, windows and doors, all existing services such as water supply lines, sewerage lines, electrical installation including fittings septic tank(To remove sludge and back fill to approval), and other structures, and dump site to be arranged by the contractor and rate to be included for handling & transporting demolished materials, as per Engineers instruction etc.	1.00	Item		
	<u>Note</u> -:Contractor to quote a price for removing all salvage item given in the Main summary which will consist of all building materials in the building except electrical items , under ground tanks, pump guards etc.				
2A/03	Dismantle pipelines and remove existing 1No.2000 gl. Under ground tank and manhole.Rate to be include for back filling with approved earth rammed and consolidated to approval.	2	nr		
2A/04	To transport all 2 Nos removed 2000 gln. tanks from LFS Puttalama to Sapugaskanda, (Nylon 6 of CPC.). Rate to include all handling charges including loading and unloading.	1	Item		
TOTAL FOR DEMOLISHING WORK CARRIED TO SUMMARY					

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF THE EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION
SALES BUILDING**

B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount
2B	<u>EXCAVATION AND EARTH WORK</u>				
	Note - Contractor should clear the site upon completing including removal of debris ,rubbish and all excess excavated material to a place to be provided by the contractor .				
	<u>Excavation</u>				
2B/01	Excavation not exceeding 1.5m commencing from reduced level and including levelling and ramming bottom,part return and remove surplus excavated material as directed for column foundations .	7.50	m ³		
2B/02	- Ditto - in wall foundations .	10.00	m ³		
	<u>Earth filling (Quantities for the compacted volume)</u>				
2B/03	Supply and filling imported soil spread in layers not exceeding 6" at anytime watered well rammed and consolidated.(A.C.Generator room ,sales room,store room,workers rest room ,visitors diasable wash room ,workers wash room areas)	9.00	m ³		
2B/04	Selected excavated material shall be placed in layers not exceeding 150 mm in loose thickness, each layer being thoroughly compacted and consolidated, to form a stable base at ground floor level.	17.50	m ³		
TOTAL FOR EXCAVATION EARTH WORK CARRIED TO BILL NO - 02 SUMMARY					
2C	<u>CONCRETE WORK</u>				
	<u>Upto ground floor level</u>				
	<u>Plain Concrete - Grade 15.</u>				
2C/01	Lean cement concrete 1:3:6 (25mm) 50mm thick layer under column footings.	6.00	m ²		
2C/02	Lean cement concrete 1:3:6(25mm) 50mm thick layer under rubble wall foundation .	16.00	m ²		

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B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount
2C/03	75mm thick 1:3:6(25mm) plain concrete in sales building floor.	40.00	m ²		
	<u>Reinforced cement concrete Grade 25, to the following</u>				
2C/04	Column footings.	1.50	m ³		
2C/05	Column shafts .	0.30	m ³		
2C/06	Plinth beams. (225mmx225mm)	2.30	m ³		
	<u>Ground floor level to roof level.</u>				
	<u>Reinforced cement concrete Grade 25,to the following.</u>				
2C/07	Columns.	0.70	m ³		
2C/08	Tie beams @ lintol level .(Size 150mmx100mm)	0.70	m ³		
2C/09	125mm thick upper floor slab.(In water tank).	1.35	m ³		
2C/10	- Ditto - in beams	0.40	m ³		
	<u>FORM WORK</u>				
	<u>Up to ground level</u>				
2C/11	Form work to sides of column footings.	4.45	m ²		
2C/12	Form work to sides of column shaft .	4.35	m ²		
2C/13	- Ditto - to sides of plinth beams .	21.00	m ²		
	<u>Ground floor level to roof level.</u>				
2C/14	Form work to sides of columns.	12.45	m ²		
2C/15	Form work to tie beams @ lintol level .(size 100mmx150mm)	18.50	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
2C/16	Form work to sides and soffit of water tank base slab.	9.00	m ²		
2C/17	- Ditto - in beams .	4.15	m ²		
	<u>REINFORCEMENT</u>				
	<u>Upto ground floor level</u>				
2C/18	Reinforcement steel in column footing . Y12mm	70.00	Kg		
2C/19	Reinforcement steel in plinth beams. Y12mm	190.00	Kg		
2C/20	R6mm	56.00	Kg		
2C/21	Reinforcement steel in column shaft. Y12mm	40.00	Kg		
2C/22	R6mm	10.00	Kg		
	<u>Ground floor level to roof level.</u>				
2C/23	Reinforcement steel in column shaft. Y12mm	50.00	Kg		
2C/24	R6mm	20.00	Kg		
2C/25	Reinforcement steel in tie beams	170.00	Kg		
2C/26	R6mm	50.00	Kg		
2C/27	Reinforcement steel in water tank slab Y10mm	85.00	Kg		
2C/28	- Ditto - in beams . Y12mm	45.00	Kg		
2C/29	R6mm	15.00	Kg		
TOTAL FOR CONCRETE WORK CARRIED TO BILL NO - 02 SUMMARY					
2D	<u>MASONRY WORK</u>				
	<u>Block work</u>				
2D/01	100mm thick solid cement block work in cement and sand 1:5 to walls in ground floor.	125.00	m ²		
	<u>Rubble Work</u>				
2D/02	6"x 9" random rubble masonry work in cement and sand 1:5 to walls foundation .	13.00	m ³		
TOTAL FOR MASONRY WORK CARRIED TO BILL NO -02 SUMMARY					

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Item No	Description	Qty.	Unit	Rate	Amount
2E	<u>ASPHALT WORK</u>				
2E/01	500 Gauge polythene sheet as horizontal damp proof membrane under ground floor slab . Rate shall include for upstand to sides and corners not exceeding 150mm in height .	41.00	m ²		
	<u>Water proofing</u>				
2E/02	Provide approved water proofing system by a specialized water proofing contractor to ground floor bathroom floor,walls .(Payment will be given after handing over of 5 years warranty.)	32.50	m ²		
TOTAL FOR ASPHALT WORK CARRIED TO BILL NO - 02 SUMMARY					
2F	<u>METAL WORK</u>				
	<u>Note</u> All aluminium partition extrusions shall be powder coated and of approved colour (White colour) ,Total thickness of 60-80microns.Detail as per drawing No CEYPETCO /SK/0032				
	<u>Aluminium Doors & Windows</u>				
2F/01	Supply and fix aluminium framed glazed door with louverd above.Type D overall size 1200mm x 2700mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	3.25	m ²		
2F/02	Supply and fix aluminium framed double side ratate glazed door with louvered above.Type D1 overall size 1050mm x 2700mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	2.85	m ²		
2F/03	Supply and fix aluminium framed glazed door with louvered above.Type D2 overall size 900mm x 2700mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	4.90	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
2F/04	Supply and fix aluminium framed glazed door with louvered above.Type D3 overall size 750mm x 2700mm high.Rate includes beading,cutting ,locks,ironmongery,door handle of approved quality etc.	2.10	m ²		
2F/05	Supply and fix aluminium framed louver door.Type LD overall size1500mm x 2100mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, of approved quality etc.	3.15	m ²		
2F/06	Window type FG ,overall size 2950mm x 2700mm aluminium framed fixed glazed window with louverd above.As per detailed drawing with and including all necessary fixtures & fittings.	8.00	m ²		
2F/07	Window type FG1 ,overall size 900mm x 2700mm aluminium framed fixed glazed window with louverd above.As per detailed drawing with and including all necessary fixtures & fittings.	5.60	m ²		
2F/08	Supply and fix aluminium framed louver window .Type LW overall size 1200mm x 1500mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	1.80	m ²		
2F/09	Supply and fix aluminium framed glazed window with louvers above .Type W overall size 1000mm x 1500mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, of approved quality etc.	5.40	m ²		
2F/10	Window type F ,overall size 600mm x 900mm aluminium framed glazed fanlight .As per detailed drawing with and including all necessary fixtures & fittings.	1.10	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>Suspended Ceiling</u>				
2F/11	Supply and installation of Aluminium powder coated perforated metal ceiling panel 600mm x 600mm x 15mm with inter locking G.I hot dipped powder coated type frame work (colour-white) suspension will be G.I, 4mm thick adjustable hanger rod system. ceiling shall be installed in horizontal manner with shallow gap. (Office building area)	37.25	m ²		
TOTAL FOR METAL WORK CARRIED TO BILL NO 02 - SUMMARY					
2G	<u>CARPENTRY & JOINERY WORK</u>				
	<u>Flat Asbestos Ceiling</u>				
2G/01	Flat Asbestos ceiling sheets on timber frame work consisting of 100mm x 50mm joist and 50mm x50mm bearers at not more than 1.2 m centers .The sheets to be fixed to timber frame work leaving 6mm "V" grooves and 37mm x 37mm halmilla moulding round the edges where ceiling meets the walls.	10	m ²		
2G/02	225mm x 25mm timber valance board fixed to end of steel members with suitable fixing arrangement.Rate to include one coat of wood primer and two coats enamel	9.8	Lm		
TOTAL FOR CARPENTRY AND JOINERY WORK CARRIED TO BILL NO 02 - SUMMARY					
2H	<u>ZINC ALUMINIUM ROOFING</u> <u>Zinc Aluminium Roofing</u> Note -:All steel surfaces (except Galvenized iron)to be applied with two coats of marine paint .Paint selection ,surface preraration and application should be strictly as per under 'painting of Steel ' in the <u>Main Canopy BOQ</u> . Note -:All steel surfaces (except Galvenized iron)to be applied with one coat of anticorrosive & two coats of approved enamel paint.				

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Item No	Description	Qty.	Unit	Rate	Amount
2H/01	Zinc Aluminium Colour bonded AZ -200 roofing sheets, thickness 0.47 mm, with approved profile with fixing to the existing roof frame with approved fasteners, screws, washers, and fittings.Including all necessary accessories such as ridge caps.Ensuring proper alignment, overlap, sealing, and weatherproofing.All labour, materials, tools, scaffolding, and safety measures include.(Sales Office, Rest room ,Wash rooms ,Store room) (concrete pad etc)(Steel members measured separately.)	45	m ²		
2H/02	150mmx65mmx6mm G.I Lip pulins welded to fixed angle iron.Rate to include applying two coats of anticorrosive paint .	40	Lm		
2H/03	50mmx50mmx1.6mm G.I.box bar pulins welded to fixed steel purlin.Rate to include applying two coats of anticorrosive paint .	52	Lm		
	<u>Flashing</u>				
2H/04	Fabricate and fixing the flashing with 0.47 gauge, Zinc aluminium sheet to front wall. The width of the Zinc aluminium flashing should not be less than 450mm. (50mm embeded to wall)	12	m ²		
2H/05	Colour Bonded Zinc Aluminium gutter (300mmx350mm) with a coated thicknes of 0.47 mm(AZ 200) fixed with 2mm thick G I fixing clips at 600mm centers. all as per and detail drawing in roof . Rate shall include for all necessary specials ,running heads with down spouts.(Down pipes measured seperatly)	8.50	Lm		
2H/06	Colour bonded Zinc aluminium down pipe 100mm x100mm square type with a coated thickness of 0.47mm complete with specials and connection to gutters.	10.00	Lm		
TOTAL FOR ZINC ALUMINIUM ROOFING WORK CARRIED TO BILL NO 02 - SUMMARY					

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B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount
2J	<u>PLUMBING INSTALLATION</u>				
	<u>Sanitary Fittings and toilet accessories</u>				
2J/01	Wash basin 550mmx 375mm overall pedestal type "Rocell" or equivalent white /colour with 20mm dia cromium plated pillar tap,angle valve ,40mm dia rubber plug and cromium plated chain waste brackets in painted iron screwed tapered wooden blocks /rawl plugs buried in wall ,water supply and waste water conection all complete to working order.(Prime cost of wash basin with fittings -Rs 45,000/= per nr)	2.00	Nr		
2J/02	Supply and installation of close couple water closet "Rocell" or equivalent or with " P " or "S" trap ,duel flush complete with flexible connection , angle valves to the working order .(Prime cost of water closet with fittings - Rs75,000/= per nr)	2.00	Nr		
2J/03	Supply and installation of upward folding support bar fix to wall .(2' 0" long)	1.00	Nr		
2J/04	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.00	Nr		
2J/05	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.00	Nr		
2J/06	Supply and Installation of Chromium plated 20mm dia bib tap Thailand or Malaysians equivalent make.(Prime cost of bib tap with fittings -Rs 4,800/= per No) .	2.00	Nr		
2J/07	Supply and installation of bidet shower and Angle valve from a reputed manufacturer .(Prime cost of bidet shower with fittings -Rs 7,500/= per nr) .	1.00	Nr		
2J/08	Supply and installation of 100mm dia stainless steel shower rose in approved make.(Prime cost of stainless steel shower rose with fittings -Rs 7,500/= per No) .	1.00	No		

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Item No	Description	Qty.	Unit	Rate	Amount
2J/09	Supply and installation of stainless steel towel holder in approved make.(Prime cost of stainless steel towel holder with fittings -Rs 6,500/= per No) .	2.00	Nr		
2J/10	Supply and installation of stainless steel coat hooks in approved make .(Prime cost of stainless steel coat hooks with fittings -Rs 2,500/= per No) .	2.00	Nr		
2J/11	Supply and installation of stainless steel soap tray in approved make.(Prime cost of stainless steel soap tray steel with fittings -Rs 2,500/= per No) .	2.00	Nr		
2J/12	Allow for mirror 450mm dia.(Prime cost of mirror -Rs 6,000/= per No) .	1.00	Nr		
2J/13	Supply and fix 20mm dia garden tap .(Prime cost of garden tap fittings -Rs 2,500/= per No) .	2.00	Nr		
2J/14	Supply and installation of 20mm dia concealed valve in a reputed manufacture .(Prime cost of concealed valve = 5000/= per nr) Rate for all pipes shall include for necessary pipe fittings such as bends ,tees "Y" junctions reducers inspections openings , stop ends etc , as required . Rates for pipes shall include for fixing along the wall or burying in ground to required gradient .In case of buried in ground the pipes to be encased with concrete . <u>All pipes shall be U.P.V.C type 1000</u>	1.00	Nr		
2J/15	20mm dia U.P.V.C types.	6.00	Lm		
2J/16	25mm dia U.P.V.C types.	10.00	Lm		
2J/17	32mm dia U.P.V.C pipes from meter to over head tank.	13.00	Lm		

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>Gate Valves</u> All valves shall be European makes all valves shall be good quality or approved equivalent and samples should be approved by the Engineer before installation. Rate shall include for all necessary specials and fixing in position.				
2J/18	25mm dia gate valves (Prime cost of 25mm dia gate valves with fittings -Rs 3,500/= per No) .	2.00	Nr		
2J/19	32mm dia gate valves (Prime cost of 32mm dia gate valves -Rs 5,000/= per No) .	1.00	Nr		
2J/20	32mm dia ball valve (Prime cost of 32mm dia ball valve.-Rs 6,500/= per No) .	1.00	Nr		
2J/21	32mm dia non-return valve(Prime cost of 32mm dia non return valve -Rs 7,000/= per No) .	1.00	Nr		
2J/22	Supply and install plastishell 2000 Ltrs.Water tank over the concrete toilet roof slab (Roof slab measured separately)	1.00	Nr		
TOTAL FOR PLUMBING WORK CARRIED TO BILL NO -02 SUMMARY					
2K	<u>DRAINAGE WORK</u> Rate shall include for all ground piping and shall include for pipe supports, saddles, clips , screeds, nails fixing and jointing materials , cutting holes chasing in brick and concrete etc and making good the same in all trades , and under ground piping all necessary excavation and back filling ,concrete bedding, and haunching disposal of surplus material as directed.	Note			
2K/01	150mm x 150mm x 125mm deep injection moulded PVC floor trap (catch pit) with stainless steel grating on top and set in concrete and connected to waste water lines.	2.00	Nr		

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>Waste Water Disposal System & Sewerage Disposal System / Storm Water System</u>				
2K/02	Manhole 450mm x 450mmx550mm deep internally including excavation ,backfilling 150mm thick cement 1:2:4 (20mm) in base slab with necessary reinforcement forming channel & benching in similar concrete 112.5mm thick brick wall , 1:3 cement and sand plastering 20mm thick to channels & benching. Rate shall include for 100mm thick removable precast cover slab.	2.00	Nr		
	<u>Waste & sewerage pipes</u> Rates for pipes shall include for fixing along the wall or burying in ground to required gradient .In case of buried in ground the pipes to be encased with concrete .				
	<u>Waste pipe(Type 600)</u>				
2K/03	40mm dia U.P.V.C type 600 pipes .	6.00	Lm		
2K/04	63mm dia U.P.V.C type 600 pipes .	15.00	Lm		
	<u>Sewerage pipe (Type 600)</u>				
2K/05	110mm dia U.P.V.C type 600	10.00	Lm		
	<u>Storm water pipes (Type 600)</u>				
2K/06	160mm dia U.P.V.C type 600 pipes	45.00	Lm		
	<u>Storm Water manhole</u>				
2K/07	Manhole 450mm x 450mmx550mm deep internally including excavation ,backfilling 150mm thick cement 1:2:4 (20mm) in base slab with necessary reinforcement forming channel & benching in similar concrete 112.5mm thick brick wall , 1:3 cement and sand plastering 20mm thick to channels & benching. Rate shall include for 100mm thick removable precast cover slab.	3.00	Nr		
	<u>Builders work</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
2K/08	Waste water trap gully internal size 225mm x 225mm x 300mm deep in concrete floor including 125mm thick concrete screed (1:3) rendering to all exposed surfaces and finished smooth with neat cement float. Rate to include for necessary earthwork, grouting , steel grating etc. <u>Septic tank with soakage pit</u>	2.00	Nr		
2K/09	1800mmx900mmx1650mm(internal) septic tank with 1200mmx900mmx1650mm(internal) attached soakage pit as shown in drawing. The septic tank base to be in 150mm thick concrete 1:2:4 (25mm) r/f with 10mm dia. Tor bars at 200mm crs. both ways. 225mm brick work in cement 1:5. 75mm thick R.C.C. cover slab reinforced as shown in drawing including cement rendering 1:3 finished smooth. 225mmx225mm R.C.C. ring beam under soakage pit, 2 Nos. 100mm dia. G.S.W. tees and 10mm thick cement rendering 1:3 with 5% pudlo to all internal surfaces of septic tank finished smooth. Rate to include for excavation, back filling and disposing surplus earth as directed. Details as per Drawing No Ceypetco/Eng/Sk/0059. <u>Waste water soakage pit</u>	1.00	Nr		
2K/10	1200mm dia (internal) waste water soakage pit. The pit circular wall to be built in 225mm brick work in cement with 1:5 alternate open joints as directed. rate to include 125mm thick concrete cover slab 1:2:4 (20mm) r/f with 12mm dia tor bars at 150mm crs. both ways, and 16mm thick cement rendering 1:3 finish smooth. provide for 225mmx225mm concrete 1:2:4 (20mm) rebated pad to accommodate the cover. Details as per Drawing No Ceypetco/Eng/Sk/0439.	1.00	Nr		
TOTAL FOR DRAINAGE WORK CARRIED TO BILL NO -02 SUMMARY					

2L	<u>FLOOR AND WALL ,CEILING FINISHES</u>				
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B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount
	<u>FLOOR FINISHES</u>				
	<u>Ceramic Floor Tiling</u>				
	<u>Floor Tiles</u>				
2L/01	Supply and laying of Homogeneous good quality non slip ceramic floor tiles laid on tile adhesives of approved quality and design to sales office .Rate to include 16mm thick cement and sand mix screed 1:3 to floor before laying tiles and dressing grooves with coloured cement slurry after fixing tiles in ground floor sales office ,store room,Worker's rest room,as directed.(Prime cost of Rs2200/= per tile, size 600mmx 600mm)	35.00	m ²		
2L/02	Supply and laying approved quality non slip ceramic floor tiles laid on 16mm thick cement and sand mix screed and the joints pointed in colour cement to match the colour of tiles in visitor's toilet area in ground floor .(Prime cost of Rs2200 /= per tile, size 600mmx600mm)	7.30	m ²		
	<u>WALL FINISHES</u>				
	<u>External wall finishes</u>				
2L/03	16mm thick cement and sand 1:3 plinth plaster finished smooth with colour neat cement slurry .	13.90	m ²		
2L/04	Cement and sand 1:5 plaster 16mm thick finished semi rough with wooden float to walls from ground floor to roof level .	90.00	m ²		
	<u>Internal Wall Finishes</u>				
2L/05	16mm thick cement sand 1:5 plaster finished smooth with lime putty to internal walls from ground floor to roof level.	145.00	m ²		
	<u>Ceiling Finishes</u>				
2L/06	16mm thick plaster in cement and sand 1:3 to minimum thickness finished smooth with lime putty to soffit of water tank slab.	12.00	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
2L/07	- Ditto - to side and soffit of beam . <u>Skirting</u>	4.50	m ²		
2L/08	Ceramic tile skirting laid on cement and sand 1:2 screed in ground floor.	35.00	Lm		
2L/09	<u>Wall tile</u> Glazed ceramic wall tiles of approved colour and manufacture lining to walls up to a height of 1500mm laid on 16mm thick cement and sand screed and the joints pointed in colour cement to match with the colour of tiles in ground floor toilet (Prime cost of tiles Rs 1100 /= per tile size, 300mmx 600mm)	23.00	m ²		
TOTAL FOR FLOOR ,WALL,CEILING WORK CARRIED TO BILL NO -02 SUMMARY					
2M	<u>PAINTING AND DECORATION</u>				
	<u>External Painting</u>				
2M/01	Prepare and apply two coats of approved colour and quality paint to plinth	13.90	m ²		
2M/02	Prepare surface and apply one coat of primer and two coats of whether shield paint of approved colour and quality to external walls ground floor .	90.00	m ²		
	<u>Internal Painting</u> Prepare and apply two coats of emulsion paint with apply two coat of base coats of acrylic filler of approved manufacture and colour to approval to the following.Including reveals in doors and windows .				
2M/03	Walls in ground floor .	145.00	m ²		
2M/04	-Ditto - on Asbestos eave Ceiling .	9.00	m ²		
2M/05	Sides and soffit of water tank slab .	12.00	m ²		
2M/06	Sides and soffit of beams at water tank slab level.	4.50	m ²		
TOTAL FOR PAINTING WORK CARRIED TO BILL NO -02 SUMMARY					
	<u>Note</u>				

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Item No	Description	Qty.	Unit	Rate	Amount
N	<u>ELECTRICAL INSTALLATION</u> <u>Note</u> Electrical line diagram given are typical, changers may require in carrying out actual work. Contractor shall prepare the correct line diagram based on this typical balancing phase drawing work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000) The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations All Switches and Socket outlets shall be plated type make "Clipsal, Orange, ACL " or any other approval equivalent complying to SLS 1000:1993 for switches & SLS 1998:1991 for Socket outlets PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216 All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs All MCBs, RCCBs shall come with minimum of 10 years of warranty period. All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period				
N/01	<u>Supply , install and wire the following Main Distribution Board (MDB)</u> TP & N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, live bus bars, 6 nos pilot lamps (R,Y,B) insulated for CEB & Gen sides, comb busbar and incorporating din rail type, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD) <u>Incoming Circuit Breakers</u> 01 Nos. 32A, 4P MCCB (18kA fault level) 02 No. 32A, 4P MCCB Automatic mains failure (AMF) and automatic load transfer switch (ATS) switchgear with Mechanical & Electrical Interlock for automatic transfer of load from CEB supply to Diesel Generator and vice versa				
	All control circuits, control cables, contractors, relays etc. shall be included <u>Outgoing Circuit Breakers</u>				

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B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount
N/02	01 Nos. 32A, 4P MCCB (18kA fault level) 01 No. 40A, 4P RCCB 300mA sensitivity 01 No. 4P 32 A MCB Type C 01 No. 4P 25A MCB Type C 01 No. 4P 20A MCB Type C	Nr	1		
	<u>Supply , install and wire the following Distribution Board (DB1)- Building & Canopy</u> SP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamp (R/Y/B) Indicator bulb) with protection 1 No. 40A 4 Pole MCB, 10kA Type C 3No 32A 2pole MCB, 10KA, Type C 03 No. 40A, 2-Pole RCCB 30mA 06 No. 6A 1-Pole MCB 10kA 03 No. 10A 1-Pole MCB 10kA 03 No.16A 1-Pole MCB 10kA 01 No. 20A 1 Pole MCB 10kA	Nr	1		
N/03	<u>Supply , install and wire the following Distribution Board (DB2)- Fuel Terminal Pumps</u> TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, Pilot lamps (R,Y,B Indicator bulbs) with protection 01 No. 25A 4-pole MCB Type C 03 No. 20A, 2-pole MCB 10kA 06 No. 16A 2-Pole MCB typC 03 No. 20A, 2-Pole RCCB 100mA	Nr	1		
N/04	<u>Point wiring including switches (Luminaries measured separately)</u> Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in concealed PVC conduits	Nr	30		
N/05	Logo point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC + 2.5mm ² CU/PVC earth Cable in concealed PVC conduits	Nr	1		

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B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
N/06	Wall fan points wire using 2x1Cx1.0mm ² Cu/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduits <u>Supply Install & wire the following</u>	Nr	2		
N/07	Flush mounted 20A Switched socket outlets with 2 Pole 20A switch Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 1 number fo socket outlets) Socket outlet & 2 Pole switch are included	Nr	1		
N/08	Flush mounted 13A Switched socket outlets Wired using 1x2Cx2.5mm ² Cu/ PVC/PVC insulated copper wire and 1x1Cx2.5mm ² Cu/ PVC insulated copper earth wire in concealed PVC conduit(as a radial circuit feed 2 number fo socket outlets) Socket outlets are included	Nr	3		
N/09	Yard light point wired from 20 A double pole indicator switch using 2C x 1 x 1.5mm ² Cu/PVC /SWA/PVC copper cable installed minium 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and backfilling.Allow for a G.I conduit where the cable has to go through a concrete (a) . 20A double pole indicator switch	Nr	5		
	(b) . For the wiring	Lm	110		
N/10	Supply for signage tower wire from double using 2C x 1 x 1.5mm ² Cu/PVC/SWA/PVC installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete (a) . 20A double pole indicator switch	Nr	1		
	(b) . For the wiring	Lm	48		

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Item No	Description	Qty.	Unit	Rate	Amount
N/11	Supply for air tower wire 2CX1x1.5 mm2 CU/PVC/SWA/PVC to a weather proof outlet using necessary sunk boxes etc. to a suitable point near air tower installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete <u>Armoured cable shall be properly connect with the earth.</u>				
	(a) . 10A one gang one way switch with weather proof cover (IP65)	Nr	1		
	(b) . For the wiring	Lm	45		
N/12	Air compressor wired through a 20A 4pole MCB, 10kA in the DB1 using 4Cx4mm2 Cu/PVC/PVC +4mm2 CU/PVC earth wire in PVC conduit				
	(a) . 20A 4 pole MCB Type C+20A 4 Pole RCCB 100mA in Transparent polycarbonate enclosure	Nr	1		
	(b) . For the wiring	Lm	10		
N/13	Supply for LAD Pump light bulb wire using 2C x 1 x 1.5mm2 Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly connect with the earth.</u>				
	(a) . 10A one gang one way switch with weather proof cover (IP65)	Nr	1		
	(b) . For the wiring	Lm	58		
N/14	Supply for LK Pump light bulb wire using 2C x 1 x 1.5mm2 Cu/PVC/SWA/PVC insulated copper installed minimum 2' 0" below the finished floor level . Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly connect with the earth.</u>				
	(a) . 10A one gang one way switch with weather proof cover (IP65)	Nr	1		
	(b) . For the wiring	Lm	24		
	<u>Supply, install and connect for fuel pump terminals</u>				

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B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount
N/15	2Cx 1 x 2.5mm² CU/PVC/SWA/PVC underground cable installed minimum 2ft below the finished floor level and terminated to a petroleum resistive terminal. Allow for excavation 6" thick sand layer and back filling. Allow for a G.I conduit where the cable has to go through a concrete. <u>Armoured cable shall be properly with the earth.</u> <u>Light Fittings</u> Supply and installation of following light fittings. Light fitting shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to the installation. All LED bulbs shall carry minimum of 2 years warranty warranty cards shall be handed over once the installation is completed	Lm	195		
N/16	100W LED High Bay Light fitting, IP65, water proof, 180-250VAC operating voltage, 50hZ, Power factor more than 0.9, Colour 6500K, CRI shall be more than 80, with Aluminium cover & required accessories such as stell rod to bolt/weld the light fitting to the roof steel purlin. Further, a safety stainless steel rope/chain shall be fixed to the light fitting via the roof steel purlin to avoid fitting faaling down.(Prime cost of 100W High Bay lamp fitting with similar specification is Rs.10,500/-)	Lm	16		
N/17	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQUIRE TYPE) for sales office, workers rest, electrical generator room, store room	Nr	7		
N/18	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	Nr	5		
N/19	Supply and installation of sofit mountlamp fitting comprising, 12W LED lamp of square type (day light) and all other accessories required for toilet, bathrooms	Nr	2		
N/20	Weather Proof pendant lamp fitting with 15W LED daylight bulb for LAD/LK pump terminal	Nr	2		

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B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
N/21	Weather proof (IP 65) bulk head light fitting with 15W LED daylight for outside of the main building	Nr	5		
	<u>FANS</u>				
N/22	Supply & installation of 16" wall fan (European/Japanese make),complete all accessories - Guarantee cards should be provided from accredited agent. Note: Ceiling fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards tyo be submitted before the installtion.	Nr	2		
N/23	Supply and install LED strip light water proof (IP65), colour Red around the fascia (approximate length 45m) as per the drawing CEYPET / ENG / SK/ 0365-A. LED strip light shall have minimum 2 years warranty period	No.	2		
N/24	Supply and install LED strip light water proof (IP65), colour White around the fascia (approximate length 45m) as per the drawing CEYPET / ENG / SK/ 0365-A. LED strip light shall have minimum 2 years warranty period	No.	2		
	<u>Supply, install and Wire Following Earth Electrode</u>				
N/25	provide an earth electrode using 50 diameter GI pipe and copper earth 6mm2 Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 05 Ohms.	Item			
N/26	provide an earth electrode using 50 diameter GI pipe and copper earth 6mm2 Cu/PVC (green/Yellow) wire to comply with ICTAD regulations. Rate shall include connection to main electrical power board, excavation, backfilling, etc. Earth resistance to be below 05 Ohms.(For one Unloading Point)	Item			
	<u>Supply , Connect and install the Following Cables</u>				
N/27	1x4Cx10 mm2 CU/PVC/PVC Cable from CEB Meter to MDB in concealed PVC conduit	m	5		

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B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty.	Unit	Rate	Amount
N/28	4Cx6mm ² CU/PVC/PVC cable & 1 x 6mm ² copper earth cable from MDB to DB1 in recessed PVC conduit	m	4		
N/29	1x4Cx4mm ² CU/PVC /PVC cable & 1 x 4mm ² copper earth cable from MDB to DB2 in PVC conduit	m	10		
N/30	1x4Cx10mm ² CU/PVC/PVC cable from Generator to MDB	m	15		
	<u>GI Pipe to fix LED street light</u>				
N/31	Supply and install yard light pole in 75mm dia. Medium duty G.I. pipe 6m above the ground level to fix the LED street light fitting	No	5		
	<u>Inspection & Testing</u>				
N/32	Testing the entire installation and rectify any defects and submit a certificate by a chartered electrical engineer for electrical installation	Item			
ELECTRICAL INSTALLATION TOTAL CARRIED TO SUMMARY					

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SALES BUILDING

B O Q NO - 2026/PUTTA'MA/ 13/01

SUMMARY

BILL NO 02 - BUILDING WORKS .

2A	DEMOLISHING WORK	Rs
2B	EXCAVATION AND EARTH WORK	Rs
2C	CONCRETE WORK	Rs
2D	MASONRY WORK	Rs
2E	ASPHALT WORK	Rs
2F	METAL WORK	Rs
2G	CARPENTRY & JOINERY WORK	Rs
2H	ZINC ALUMINIUM ROOFING	Rs
2J	PLUMBING INSTALLATION	Rs
2K	DRAINAGE WORK	Rs
2L	FLOOR WALL & CEILING FINISHES FINISHES	Rs
2M	PAINTING DECORATION WORK	Rs
2N	ELECTRICAL INSTALLATION	Rs.

TOTAL CARRIED TO MAIN SUMMARY

Rs.

.....
Date

.....
Signature of Tenderer

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
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CEYLON PETROLEUM CORPORATION

MAIN CANOPY

B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty	Unit	Rate	Amount
	<u>BILL NO - 03 - MAIN CANOPY</u>				
3A	<u>EXCAVATION AND EARTH WORK</u>				
	<u>Excavation</u>				
3A/01	Excavation not exceeding 1500mm commencing from reduced level and including levelling and ramming bottom , part return and remove surplus excavated material as directed for canopy column and foundations	9.00	m ³		
	<u>Earth filling</u>				
3A/02	Supply fill and compact imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated .	7.00	m ³		
	<u>CONCRETE WORK</u>				
	<u>Concrete .</u>				
	<u>Upto ground floor level</u>				
	<u>Plain Concrete - Grade 15.</u>				
3A/03	Lean cement concrete 1:3:6(25mm)50mm thick layer under canopy column footings.	6.70	m ²		
	<u>Reinforced cement concrete Grade 25 ,to the following</u>				
3A/04	Column footings	1.50	m ³		
3A/05	Column shaft	0.25	m ³		
	<u>Ground floor level to roof level</u>				
	<u>Reinforced cement concrete Grade 25,to the following</u>				
3A/06	Column shaft	2.90	m ³		
	<u>FORM WORK</u>				
	<u>Up to ground level</u>				
3A/07	Form work to sides of column footings.	4.50	m ²		
3A/08	Form work to sides of column shaft .	7.25	m ²		
	<u>Ground floor level to roof level</u>				
3A/09	Form work to sides of column shaft .	32.85	m ²		
	<u>REINFORCEMENT</u>				
	<u>Upto ground level</u>				

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MAIN CANOPY

B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty	Unit	Rate	Amount
3A/10	Reinforcement steel to column footings. - 12mm	68.00	Kg		
3A/11	Reinforcement steel to column shaft. - Y16mm	145.00	Kg		
	R6mm	27.00	Kg		
	<u>Ground floor level to roof level</u>				
3A/12	Reinforcement steel to column shaft. - Y16mm	300.00	Kg		
	R6mm	95.00	Kg		
	<u>CONSTRUCTION OF CANOPY PUMP ISLAND.</u>				
3M/13	Construct pump bed (900mm wide and 250mm high) with 100mm block or brick walls filled with river sand and 75mm thick 1:3:6 (25mm) concrete on top, finished with matt black ceramic tiles top, edges to be finished smooth & rounded as shown in drg. Rate to include 20mm thick 1:3 mix cement sand rendering base as directed.	10.00	Lm		
	<u>STRUCTURAL STEEL AND ROOFING WORK</u>				
	<u>Painting of Steel in canopy roof</u>				
	<u>Paint selection specification</u>				
	Paint Coatings used should be selected as per following Guide lines				
	Corrosivity and environment conditions as per independent Standard ISO 12944				
	The selection of coatings and cleaning process should be based on following criteria to prevent further rusting after the rectifications				
	The primer used shall be heavy duty and marine grade with minimum solids of 80%(to achieve Higher DFT in one coat) and shall be surface tolerant type to suit site steel surface cleaning possibilities				
	Primer used shall be compatible with cleaning of fresh water to be free of salt and contamination deposits at current steel structures and properly dry. Maximum use of electro mechanical Power				

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Item No	Description	Qty	Unit	Rate	Amount
	Tools as a combination of Wire brushes and Disc sanders/power brush and Needle chipper as needed and all rust debris shall be disposed when selecting steel cleaning equipments utmost care and safety should be employed as a inflammable environment and flames and sparks should be totally avoided and recommended only Non magnetic Phosphor/Bronze type. The steel with flaking paint peels/non adhesive Coatings should be 100% removed and all locations with spot rusts, paint cracked corrosion blister corrossions and corrossions at weld seams/sharp edges/corners etc should be thoroughly cleaned and wherever there is old paint intact existing zinc phosphate primer undercoat) should be slightly roughened with sand papering. <u>Selection of primer for the full coat</u> For the Steel selections covered inside by the canopy following is recommended 1 st Coat 75-100 Microns DFT Marine Grade (2 component Base and Hardener Type) High solid Heavy duty marine Coatings PRIMER with Minimum solids content 80% Polyamine cured Epoxy surface tolerant suitable for 2nd glade surface preparation (as per existing cleaning possibility) and where sand blasting is not practical and the Epoxy primer selected should withstand St2-St3 type of manual cleaning and epoxy over coatable on aged old wheathered Tar free existing paints and tar free and withstand Hot Sun steel temperature of minimum 100-120 0C as exposed to exteriors and achive a minimum 75-100 Microns Dry Film Thickness /Equivalent to Sigma cover 630 or alike and prior to applications				

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Item No	Description	Qty	Unit	Rate	Amount
	Contractors should submit marine paint manufacture's certified product Data Sheet and systems heets and obtain approval from CPC Engineering (Suppliers should not use 2nd grade industrial Grade as Marine environments) Low quality Bitumen anticorrosive paints not aacceptable. 2nd Coat 50-75 Microns DFT Marine Grade (2 component Base and Hardener Type) Medium solid Heavy duty marine Coatings PRIMER/Coating with Minimum solids content 60% Polyamide cured Epoxy colour Black matt with Micasious Iron oxide pigmented with good adhesion on 1 st coat and tar free and with stand hot sun steel temperature of minimum 100-120 0C as exposed to exteriors Oven effect and achieve a minimum 50-75 Microns Dry Film thickness (Low quality Bitumen anticorrosive paints not acceceptable) equivelent to Sigmacover 522/435 MIO EPOXY or alike and prior to applications contractor should submit marine paint manufacture's Certified product Data Sheet and system sheets and obtain approval from CPC Engineering (suppliers should not use as 2 nd Grade material Marine environmenets) Contractor should provide samples of paint layers to determine the paint thickness while work IS in progress.				
3M/14	Supply and fix 200mmx150mm(30.5kg/m) Universal beam including 'necessary connection (welding /bolting)with cleats to concrete column with plate and bolts as shown in drg. No.- CEYPET '/ENG/066.Including two coats of approved anticorrosive paint.	72.00	Lm		
3M/15	Supply and fix 152mmx89mm(16kg/m) Universal beam including 'necessary connection (welding /bolting)with cleats to concrete column with plate and bolts as shown in drg. No.- CEYPET '/ENG/066.Including two coats of approved anticorrosive paint.	35.00	Lm		

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Item No	Description	Qty	Unit	Rate	Amount
3M/15	Supply and fix 100mmx50mm(9.3kg/m) Universal beam support including 'necessary connection (welding /bolting)with cleats to concrete column with plate and bolts as shown in drg. No.- CEYPET /ENG/066.Including two coats of approved anticorrosive paint.	35.00	Lm		
3M/16	Supply and fix 150x65x2.3mm Galvernized 'C' channel including necessary cleats and conection (welding /bolting) to "C" channel as shown in Drg No - CEYPET/ENG/0066 including sag correction rods.	260.00	Lm		
3M/17	Supply and fixing 50 x 25 x 2mm galvenized box bar sections in 'fascia fabrication as shown in drawing No - 'CEYPET/ENG/0066.Including two coats of approved anticorrosive paint.	150.00	Lm		
3A/18	Supply and fixing 12mm thick 600mmx600mm base plate on top of column .Including two coats of approved anticorrosive paint.	4.00	Nr		
3A/19	16mm Dia. bolt 200mm long threaded one end and the other bend for anchorage length 1350mm.	32.00	Nr		
3A/20	Zinc Aluminium Colour bonded AZ 200 roofing sheets of approved profile and (not less than 0.47mm total coated thickness) approved quality and colour on steel frame work as shown in drawing (frame work measured seperatly).Rate to include colour bonded roof flashing and sheets with same thick material and sheet ridge etc.(including sales bulding roof.)	255.00	m ²		
3A/21	Colour Bonded Zinc Aluminium gutter (300mmx225mm) with a coated thicknes of 0.47 mm fixed with 2mm thick G I fixing clips at 600mm centers. all as per and detail drawing in roof . Rate shall include for all necessary specials ,running heads with down spouts.(Down pipes measured seperatly)	33.00	Lm		

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Item No	Description	Qty	Unit	Rate	Amount
3A/22	Colour bonded Zinc aluminium down pipe 125mm x125mm square type with a coated thickness of 0.47mm complete with specials and connection to gutters.	25.00	Lm		
	<u>Flashing</u>				
3A/23	Supply and fixing Zinc Aluminium 0.47mm thick flashing .The sheet to be embeded to wall by 50mm atleast at the minimum width to be 1000mm .Wall and sheet conection to be sealed with clear sealant	65.00	m ²		
	<u>COMPOSITE CLADDING</u>				
3A/24	Aluminium white colour (Code RAL - 9003)Composite sheets fascia (4mm thick one hour fire rated)of approved quality and colour on G.I frame work as per fixing details in drawing to engineer's approval.(Frame work measured seperately)Rate to include supply, install 200mm high red colour composit cladding strips around to (Code RAL 3000) composit cladding fascia,as per detailed drawing No CEYPET/ENG/SK/0365B.	79.00	m ²		
3A/25	Approved 4mm thick 1 Hr fire rated aluminium composite panel, alpolic or similar material including necessary 100x20x2mm and 60x30x2mm galvanized "C" channel frame work to details and approval around columns .	38.00	m ²		
	<u>METAL WORK</u>				
	Supply and fabricating of 50mm dia G.I pump guards as per sketch no CEYPETCO/ENG/SK/ 0060				
3A/26	Size - 1800mm x 900mm pump guards	8.00	Nr		
3A/27	Size - 900mm x 900mm pump guards	8.00	Nr		
3A/28	Supply , fabricate & installation of 900mm dia 75mm logo 75mm wide circular frame & figure with 3 mm white Perspex sheet completed with colour stickers & light fittings, as per detail drawing No CEYPET / ENG/ SK/0365 -B	1.00	Item		

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Item No	Description	Qty	Unit	Rate	Amount
3A/29	Supply , fabricate & installation of 400mm high red colour perspex sheet Boxed type letters finished with 75mm thick embossed , as per detail drawing No CEYPET / ENG/ SK/0365 -B	1.00	Item		
3A/30	Supply ,fabricate and install double side light box of (Size 1200mmx150mmx400mm).Asper the sketch No Ceypet/0437 with 18Watt water proof LED light inside.	1.00	Nr		
3A/31	Lockable drawer unit intergrated into cladding column finished with matching cladding material .Designed as a temporary cash storage facility.Drawer fitted with smooth sliding rails ,secure locking mechanism as per the sketch No Ceypet /0437.	1.00	Nr		
TOTAL CARRIED TO BILL NO -03 MAIN SUMMARY					

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION PUTTALAM.

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
4A	<u>BILL NO - 04 - DRIVE WAY & MISCELLANEOUS WORKS</u> <u>Yard Work</u> <u>Earth filling</u>				
4A/01	Supply, fill and compact imported ,soil in layers not exceeding 150mm at any time watered well rammed and consolidated .	95	m ³		
4A/02	Supply spread and compacted to approved density graded aggregate base course (ABC)using 37.5mm aggregate .	85	m ³		
4A/03	Cutting and demolishing of existing 150mm thick asphalted surface in driway .Rate shall include for debris carted away from site .	5	m ²		
4A/04	Cutting and demolishing of existing 150mm thick RCC surface in driway .Rate shall include for debris carted away from site . <u>Paving Blocks</u> <u>Interlock paving</u> <u>Note</u> Paving blocks used should have at least compressive strength equivalent to Grade 30 concrete.(Test report to be submitted) Size of the paving stone should be 220mmx110 mm and height 80 mm or as directed Paving stone should be placed on 50mm (min.) sand bedding on the well compact soil to the specified slope. Edges of the paving should be finished with mass concrete equivalent to paving stone strength.Rate to include surface shall be backfilled with soil up to 225mm and leveled .	3	m ²		
4A/05	Supply and laying of interlock paving stones. (Refer specifications)	475	m ²		

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DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
4A/06	<u>Kerbstones</u> Precast cement kerbs 150mmx225mmx900mm to detail with all necessary excavation,formwork,etc.	20.0	Lm		
4A/07	<u>Fuel dispensing pipe lines</u> Excavation of trenches to the fuel dispensing lines (pipes laying is included in the contract) Excavation of trenches for pipe(Approx Dia 50mm -75mm)lines from under ground tank to dispensing pump . Rate to include 300mm wide 450mm deep trench excavation and back filling with river sand and compacted to approval .	29.0	m ³		
	<u>Miscellaneous Work</u> <u>Water proofing of tank manholes</u> <u>Note-:</u> Water proofing should be done according to the following specifications. a)Interface including fuel tank -concrete wall, brick wall- concrete slab ,steel pipe and brick wall ,concrete slab should be waterproofed by using a sodium bennite based expanding joint water stag. b) External brick wall -steel pipe joint phase shold be waterproofed by using an elastomeric joint sealant. c)All the external surfaces should be waterproofed by applying cementitious type water proofing material.				

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B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
4A/08	<u>Manhole</u> Removing and demolishing of existing fuel manhole and supply, fabricating and installing of (approximately) 750mmx750mmx900mm deep (internally) under ground fuel tank manhole complete, with 12mm MS plate square manhole cover (Size 825mmx825mm) and frame (128Kg per set) with a total thickness of walls 225mm by R.C.C 1: 1 1/2 :3(20mm) and masonry brick side walls including form work and reinforcement, 10mm tor steel bars @ 200mm centres both ways and tank top concrete to be reinforced with Y10mm tor steel bars and 6mm MS rods. All concrete and brick surfaces to be applied with epoxy paint (Free Mastic G -316 or equivalent) to side walls. 6mm G.I. lifting hooks tied to yard concrete reinforcement and external sides of the brick wall finished smooth with neat cement plaster as per drawing No - CEYPET/ENG/0287	2.0	nr		
4A/09	Modification to existing under ground tank manholes to suit the raised driveway to modify with concrete /steel 2' 0" diameter 10mm thick steel cover as given in sketch No CEPET/ENG/0287 attached. Rate to include smooth plaster, water proofing, internal walls, to insure that there are no water leakage. Water proofing to be given to reputed agent as company with 5 years guarantee. <u>Fuel pipes and Fittings</u> <u>Note</u> Following item to be executed specially with CPC close supervision and approval.	2.0	nr		
4A/10	Supply and laying of 40mm(1 1/2") Dia GI heavy duty fuel pipe lines in drive way between tank and dispenser pump. Rate to include all necessary fittings and accessories.	75.0	Lm		

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION PUTTALAM.

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
4A/11	Supply and laying of 40mm(1 1/2") mm Dia GI heavy duty pipe for vent lines in above ground and connect to the fuel tanks.(Including apply one coat of primer and two coats of enamel paint.)Rate to include all necessary fittings and accessories.	70.0	Lm		
4A/12	- Ditto - for 75mm dia GI pipe un loading point .	45.0	Lm		
4A/13	Supply and fixing 40mm Dia (1 1/2") brass of G.I tank top valves .	8.0	nr		
<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>					
	a). Base for signage shall be 5'-0" x4'-0"x4'-0" deep grade 25 concrete, reinforced with 16mm and 12mm tor steel, with 20mm thread bars to fix the body using galvanized nuts & bolts. Body should be fixed using 20mm thick mild steel plates (size varies according to the size of base) The plates should be concealed.				
	b). Double sided signage will have a 4" "U" channels fixed to both sides of the pylon reinforced with 1"x2" square tubes (2Nos. On each side) to mount the cladding and with 2"x2"x6mm angle iron horizontal bracings at 18" intervals on both sides of the structure with an additional 1"x6mm thick mild steel flat iron, bent to required shape to hold the cladding.				
	c). 4'-0" diameter circular pylon head structure (logo supporting structure) to be manufactured with 1 1/2" x 3/8" thick flat iron circles (2 Nos) braced at 8 points around the flat iron with same size flat iron. This structure will be fixed to the pylon structure via a 4" diameter G.I. hollow pipe, (Heavy duty)spray painted fixed with nuts and bolts.				
	The entire steel frame structure to be hot dipped galvanized.				

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION PUTTALAM.

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
	d). No drilling or welding to be carried out after galvanizing process is completed. e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work. f). All illuminated sections of the pylon to be (Company logo) fabricated using 3mm acrylic (perspex) sheets with the embossed figure at the center and wording at edges as specified from the same material. g). The Signage should be provided with adequate lighting by use of 3Nos 18w 2'-0" florescent lights (European make with 2 Year warranty) wired separately from the bottom to top through conduits. External illumination should be provided with 2 Nos Assymetrical type flood lamps with 250w mercury vapour lamp (1P 65) fix to the top of the structure. Wiring to be done with 2 x 1C x 1 mm² cu/ PVC/ wire. with a suitable way to the Engineer's satisfaction with a supportive structure. All materials including conduit (under ground) and wiring from the available supply point (approximately 50m) to be included in the rate. i). Letters to be with PVC luminous stickers on the colour bonded sheets as per the font, letter type, colour and wording given by the CPC j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive. k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation.				
	l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication.				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.**

CEYLON PETROLEUM CORPORATION

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/PUTTA'MA/ 13/01

Item No	Description	Qty	Unit	Rate	Amount
	m). The successful tender should submit a guarantee for a minimum period of 10 years for anticorrosion of structure stability, and 05 years warranty to the colours of PVC stickers.				
	n). The rate shall include for the transporting handling and all other involment in the errection signages at outstations. The proposed outstations are attached herewith.				
4A/14	Supply ,fabricate and install of 1200mm x 5500mm double sided pylon signage as per specification and detailed drawing	1	Nr		
TOTAL CARRIED TO BILL NO -04 MAIN SUMMARY					

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION PUTTALAM.

CEYLON PETROLEUM CORPORATION

SINGLE CANOPY

B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
5A	<u>BILL NO - 05 - SINGLE CANOPY</u>					
	<u>Notes</u> The rates quoted by the tenderer should include for the followings items.					
	<u>Foundation (03 Nos.) -</u>					
a	Excavation, 450mmx 450mm x 600mm deep 1:3:6 (25mm) concrete base to fix the canopy using 4 Nos of 16mm Ragbolts & 10mm thick MS plate etc as shown in drawing. The plate should be concealed.		Note			
	<u>Roof Work</u>					
b	Canopy roof structure 50mm diameter G.I (Medium duty) Pipe spray painted to manufacturers specifications. as shown in drawing. No-CEYPET/ENG/SK/0021.		Note			
c	Supply & Fixing colour bonded Aluminium roofing sheets on steel frame work which include all neccessary angle iron (25mm x25mmx 6mm) structural frame work as shown in drawing. Rate will also include for applying two coats of anticorrosive paint		Note			
d	Supply & fixing colour bonded (AZ 200) 0.47mm Zinc Aluminium sheets facia of approved quality and colour on frame work as per fixing details in drawing to engineer's approval.		Note			
e	Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing		Note			

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION PUTTALAM.

CEYLON PETROLEUM CORPORATION

SINGLE CANOPY

B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
f	The single canopy should be provided with adequate lighting by use of 2 nos. fluorescent lights fittings complete with 600mm' flourasent bulb complete with diffuser etc.. wired to the inside of the top section through a 5 AMP sunk switch. Wiring should be done with 2x1c x 1.13 PVC insulated copper conductor & 1x1cx7/0.67 PVCinsulated copper earth conductor through 1000g water tight PVC conduit. All materials including conduit (under ground) and wiring from the available supply point (approximately 25m) to be provided.		Note			
g	The successfull tenderer should submit a guarantee for a minimum period of 10 years for anticorrosion of structure, stability, material & colour		Note			
h	The rate will include for fabricate, installing single canopy . The proposed locations are given below.		Note			
5A/01	Fabricate, supply & install single canopy as per specification & detail drawing no .CEYPET/ENG/SK/0021A.	2.0	nr			
	<u>Pump Bed</u>					

BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING LANKA FILLING STATION PUTTALAM.

CEYLON PETROLEUM CORPORATION

SINGLE CANOPY

B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
5A/02	1800mm long 975mm wide 300mm high pump Island in 100mm Block or half brick walls filled with river sand and 75mm thick 1:3:6 (1") concrete on top finished with black Ceramic tiles of approved size and design to pump bed rate to include 16mm thick cement rendering 1:3 before laying tiles and dressing with colour cement slurry after fixing tiles as shown in drawing no -CEYPET/ENG/SK/0050.	5.00	Lm			
	Supply , fabricating and installing G.I pump guard. Using 60mm(2 1/2") Dia G.I (Medium duty)3.2mm thick pipes fixed to 6mm thick MS plate by (size150mm x 150mm)with 4Nos 12mm Dia rag bolts and placed in 1:2:4(3/4") concrete base.(200mmx200mmx 200mm) .Rate to include excavation , form work , and applying two coat of primer and one coat of enamel paint to G.I pipes as per detail drawing No CEYPET/ENG/SK/0060 given below.					
5A/03	Size - 1800mm x 900mm pump guards	4.00	nr			
5A/04	Size - 900mm x 900mm pump guards	2.00	nr			
TOTAL CARRIED TO BILL NO -05 MAIN SUMMARY						

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

BOQ NO - 2026/PUTTA'MA/13/01

Item	Description	Qty.	Unit	Rate	Amount
6A	<u>BILL NO - 06 TANK INSTALLATION OF 1NO 5000 GALLOON.</u> <u>UNDER GROUND TANK</u> <u>Note:</u> The contractor shall purchase a new 5,000-gallon tank from a reputed manufacturer, ensuring compliance with CPC standards and adherence to relevant quality assurance requirements a)It is contractor's responsibility to clean the the inside of the tank after installation. b)Quantities are given for 1 No. 5000 gl. tank. c)" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511/ CEPET/ENG/UG32017. <u>Construction sequence for underground tank installation</u> (1) The contractor should strictly follow the below mentioned sequence for construction of RCC tank chamber and installation of the steel tank inside the chamber. (2)Excavation for tank pit (3)Base concrete with approved water proofing admixture (make two water access holes 300mmx300mm at two opposite corners of the base concrete to avoid any upthrust impose). i.e These holes are not to be concreted when the base is concreted.				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA'MA/13/01

Item	Description	Qty.	Unit	Rate	Amount
	(4) Outer wall concrete with approved water proofing admixture (5) concrete curing for 21 days.				
	(6) Tank installation (water access holes should be filled with concrete of the same Grade and water proofed a little time before the tank installation				
	(7)Backfilling with sand the inside bottom part of the camber				
	(8) Backfilling with soil inside and outside of the chamber				
6A/01	<u>Tank Pit Excavation</u> Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	92.0	m ³		
6A/02	<u>Sand filling</u> River sand filling to a height of 1050mm above base concrete slab.	17.0	m ³		
6A/03	<u>Excess Earth</u> To transport excavated excess earth away from site to a location by the contractor .(Bulk volume)	92.0	m ³		
6A/04	<u>Hard earth filling</u> Approved selected dry earth filling(above sand filling)spread in layers not exceeding 150mmat anytime, watered well rammed & consolidated.	35.0	m ³		
6A/05	<u>Shoring</u> Timber shoring 50mm thick including frame work where if necessary .	90.0	m ²		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA'MA/13/01

Item	Description	Qty.	Unit	Rate	Amount
6A/06	<u>Dewatering</u> Allow for dewatering under ground water in any area during the period of construction.	1.0	Item		
6A/07	<u>Polythene</u> 500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab and top concrete . Rate shall include for upstand to sides and corners not exceeding 150mm in height .	50.00	m ²		
6A/08	<u>Concrete work</u> 150mm R.C.C 1:1 1/2:3 (20mm) in tank concrete top slab reinforced with 10mm dia .Tor bars at 150mm centers both ways .Rate to include for water proofing admixtures as aproved by Engineer(Reinforcement measured separately)	4.50	m ³		
6A/09	150mm R.C.C 1:1 1/2:3(20)in tank concrete base slab reinforced with 10mm dia .Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for water proffing admixtures as aproved by Engineer(Reinforcement measured separately)	4.50	m ³		
6A/10	150mm R.C.C 1:1 1/2:3(20mm)in tank concrete walls around the tank reinforced with 10mm dia.Tor bars two layers at 200mm centers both ways. Rate to include for water proofing admixtures as aproved by Engineer (Reinforcement measured separately)	10.50	m ³		
6A/11	<u>Form work</u> Form work to sides of walls ,cover slabs,edges for tank pit .	140.0	m ²		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA'MA/13/01

Item	Description	Qty.	Unit	Rate	Amount
5A/12	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u> Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	1200.0	Kg		
5A/13	<u>Fabric mesh reinforcement</u> BRC Mesh type A142 of BS4483 specification, for reinforcement in tank top .(one layer) <u>Under Ground Fuel Tank Manhole</u> <u>Note:-</u> <u>Water proofing should be done according to the following specifications.</u> a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant . b)All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.) (c)Water proofing to be given to reputed agent with 5 years guarantee .	26.0	m ²		
5A/14	Supply,fabricating and installing of (approximatly) 750mmx750mmx900mm deep (internally)under ground fuel tank manhole complete, with 12mm MS plate square manhole cover(Size 825mmx825mm) and frame (128Kg per set) with a total thicknes of walls 225mm by R.C.C 1: 1 1 /2 :3(20mm) and masonary brick side walls including form work and reinforcement,10mm tor steel bars @ 200mm centres bothways and tank top concrete to be reinforced with Y10mm tor steel bars and 6mm MS roads.All concrete and brick surfaces to be applied with epoxy paint(Free Mastic G -316 or equivalent) to side walls.6mm G.I. lifting hooks tied to yard concrete reinforcement and external sides of the brick wall finished smooth with neat cement plaster as per drawing No - CEYPET /ENG/0287	2.0	nr		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA'MA/13/01

Item	Description	Qty.	Unit	Rate	Amount
5A/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.0	Item		
5A/16	Installation of tank with necessary traps and bolts as shown in drawing.	1.0	Item		
5A/17	Supply,fabrication,transport and Installation of 5000 gallon under ground fuel tank(As per the CPC standards and attached specifications) with necessary accessories (traps and bolts etc) CPC standard as shown in drawing.Rate to includes all handling charges.	1.0	nr		
TOTAL CARRIED TO BILL NO -06 MAIN SUMMARY					

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA'MA/ 13/01

Item	Description	Qty.	Unit	Rate	Amount
7A	<u>BILL NO - 07 TANK INSTALLATION OF 2NR 3000 GALLOON.</u> <u>UNDER GROUND TANK</u> <u>Note:</u> (a)The contractor shall purchase a new 3,000-gallon tank from a reputed manufacturer, ensuring compliance with CPC standards and adherence to relevant quality assurance requirements b)It is contractor's responsibility to clean the the inside of the tank after installation. c)Quantities are given for 2 No's 3000 gl. tank. d)" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511 / CEPET/ENG/UG32017. <u>Construction sequence for underground tank installation</u> (1)The contractor should strictly follow the below mentioned sequence for construction of RCC tank chamber and installation of the steel tank inside the chamber. (2)Excavation for tank pit (3)Base concrete with approved water proofing admixture (make two water access holes 300mmx300mm at two opposite corners of the base concrete to avoid any upthrust impose). i.e These holes are not to be concreted when the base is concreted. (4)Outer wall concrete with approved water proofing admixture (5)Concrete curing for 21 days.				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA'MA/ 13/01

Item	Description	Qty.	Unit	Rate	Amount
	(6) Tank installation (water access holes should be filled with concrete of the same Grade and water proofed a little time before the tank installation)				
	(7) Backfilling with sand the inside bottom part of the camber				
	(8) Backfilling with soil inside and outside of the chamber				
	<u>Tank Pit Excavation</u>				
7A/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	130.0	m ³		
	<u>Sand filling</u>				
7A/02	River sand filling to a height of 1050mm above base concrete slab.	24.0	m ³		
	<u>Excess Earth</u>				
7A/03	To transport excavated excess earth away from site to a location by the contractor .	130.0	m ³		
	<u>Hard earth filling</u>				
7A/04	Approved selected dry earth filling(above sand filling) spread in layers not exceeding 150mm at anytime, watered well rammed & consolidated.	50.0	m ³		
	<u>Shoring</u>				
7A/05	Timber shoring 50mm thick including frame work where if necessary .	150.0	m ²		
	<u>Dewatering</u>				
7A/06	Allow for dewatering under ground water in any area during the period of construction.	2.0	Item		
	<u>Polythene</u>				
7A/07	500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab and top concrete . Rate shall include for upstand to sides and corners not exceeding 150mm in height .	80.00	m ²		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA/MA/13/01

Item	Description	Qty.	Unit	Rate	Amount
7A/08	<u>Concrete work</u> 150mm R.C.C 1:1 1/2:3 (20mm) in tank concrete top slab reinforced with 10mm dia .Tor bars at 150mm centers both ways .Rate to include for water proofing admixtures as aproved by Engineer.(Reinforcement measured separately)	3.50	m ³		
7A/09	150mm R.C.C 1:1 1/2:3(20)in tank concrete base slab reinforced with 10mm dia .Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for water proffing admixtures as aproved by Engineer. (Reinforcement measured separately)	3.50	m ³		
7A/10	150mm R.C.C 1:1 1/2:3(20mm)in tank concrete walls around the tank reinforced with 10mm dia .Tor bars two layers (Top and bottom) at 225mm centers both ways .Rate to include for water proffing admixtures as aproved by Engineer.(Reinforcement measured separately)	8.00	m ³		
7A/11	<u>Form work</u> Form work to sides of walls ,cover slabs,edges for tank pit .	220.0	m ²		
<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>					
7A/12	Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	1600.0	Kg		
7A/13	<u>Fabric mesh reinforcement</u> BRC Mesh type A142 of BS4483 specification, for reinforcement in tank top .(one layer)	40.0	m ²		
	<u>Under Ground Fuel Tank Manhole</u>				
	<u>Note:-</u> <u>Water proofing should be done according to the following specifications.</u>				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAM.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTA'MA/ 13/01

Item	Description	Qty.	Unit	Rate	Amount
	a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant .				
	b)All the internal and external walls surfaces should be waterproofed by applying epoxy paint (Free Mastic G -316) or equivalent.(Agent Modern Trading (Pvt)Ltd.)Approved quality concrete admixture can be used for water proofing instead.				
	(c)Water proofing to be given to reputed agent with 5 years guarantee .				
7A/14	Supply,fabricating and installing of (approximatly) 750mmx750mmx900mm deep (internally)under ground fuel tank manhole complete, with 12mm MS plate square manhole cover(Size 825mmx825mm) and frame (128Kg per set) with a total thicknes of walls 225mm by R.C.C 1: 1 1 /2 :3(20mm) and masonry brick side walls including form work and reinforcement,10mm tor steel bars @ 200mm centres bothways and tank top concrete to be reinforced with Y10mm tor steel bars and 6mm MS roads.All concrete and brick surfaces to be applied with epoxy paint(Free Mastic G -316 or equivalent) to side walls.6mm G.I. lifting hooks tied to yard concrete reinforcement and external sides of the brick wall finished smooth with neat cement plaster as per drawing No - CEYPET /ENG/0287	4.0	nr		
7A/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	2.0	Item		
4A/16	Installation of tank with necessary traps and bolts as shown in drawing.	2.0	Item		
4A/17	Supply,fabrication,transport and Installation of 3000 gallon under ground fuel tank(As per the CPC standards and attached specifications) with necessary accessories (traps and bolts etc) CPC standard as shown in drawing.Rate to includes tank all handling charges.	2.0	nr		
TOTAL CARRIED TO BILL NO - 07 MAIN SUMMARY					

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAMA.
CEYLON PETROLEUM CORPORATION**

EXTERNAL WORK

B O Q NO - 2026/PUTTA'MA/13/01

Item No	Description	Unit	Qty	Rate	Amount	
					Rs.	Cts.
	<u>BLL NO - 08 - EXTERNAL WORK</u>					
	<u>Repair for boundary wall</u>					
8A/01	Cement and sand 1:5 plaster 16mm thick finished semi rough with wooden float to both sides of the parapet wall .	m ²	175.00			
	<u>External painting</u>					
8A/02	Prepare surface and apply one coat of primer and two coats of whether shield paint of approved colour and quality to external walls ground floor .	m ²	175.00			
	<u>Masonry Parapet Walls</u>					
	<u>Boundary Wall</u>					
	<u>Repair for boundary wall</u>					
8A/03	Repair and apply two coats of paints and two coats of primer to existing boundary wall plasterd surfaces . Rate to include external surfaces preparation removing existing paints coats ,existing all the plaster / wall cracks fiiling concrete and damages to be repair, sanding ,filler, removing and patching existing plaster area .etc. (Approximate 250 m ²)	Item	1.00			
TOTAL CARRIED TO BILL NO -08 MAIN SUMMARY						

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION PUTTALAMA.
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PUTTALAMA/ 13/01

MAIN SUMMARY

Bill No - 01	PRELIMINARIES.	Rs.	
Bill No - 02	CONSTRUCTION OF SALES BUILDING.	Rs.	
Bill No -03	CONSTRUCTION OF MAIN CANOPY.	Rs.	
Bill No - 04	DRIVE WAY & MISCELLANEOUS WORK.	Rs.	
Bill No - 05	CONSTRUCTION OF SINGLE CANOPY.	Rs.	
Bill No - 06	INSTALLATION OF 1NO 5000 GL TANK .	Rs.	
Bill No - 07	INSTALLATION OF 2NR 3000 GL TANK .	Rs.	
Bill No - 08	EXTERNAL WORK	Rs.	
	SUB TOTAL 01	Rs.	
9.00	LESS DISCOUNT (if any)	Rs.	
	SUB TOTAL 02	Rs.	
10.00	LESS CREDIT ON SALVAGE MATERIAL.	Rs.	
	SUB TOTAL 03	Rs.	
14.00	ADD (2.5% SCCL)	Rs.	
	SUB TOTAL 04	Rs.	
15.00	ADD (18 % VAT)	Rs.	
	TOTAL WITH TAXES	Rs.	

Total amount in words

Name of Tenderer

Address

.....

Date

.....

Signature of Tenderer

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
7 NO'S LANKA FILLING STATIONS AT ISLAND WIDE - STAGE II
CEYLON PETROLEUM CORPORATION**

GRAND SUMMARY

1	LANKA FILLIG STATION, EPPAWELA	Rs	
2	LANKA FILLIG STATION, MIRIGAMA	Rs	
3	LANKA FILLIG STATION, PUTTALAM	Rs	
4	LANKA FILLIG STATION,	Rs	
5	LANKA FILLIG STATION,	Rs	
6	LANKA FILLIG STATION,	Rs	
7	LANKA FILLIG STATION,	Rs	
	SUB TOTAL 01	Rs.	
8	TOTAL CARRIED TO FORM OF TENDER.	Rs.	
	SUB TOTAL 02	Rs.	
9	ADD (2.5% SSCL)	Rs.	
	SUB TOTAL 03	Rs.	
10	ADD (18% VAT)	Rs.	
	TOTAL WITH TAXES	Rs.	

Total amount in words

Name of Tenderer

Address

.....

Date

.....

Signature of Tenderer

Schedule 1 – General Information			
(i) If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application. (ii) For joint ventures, each joint venture partner shall furnish information separately.			
ITB Clause reference	Description	Information (to be filled by the Bidder)	Remarks
4.1 (a)	Legal Status		Provide certified copies of Registration
	Written power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 4.1(a)	
	If a Joint Venture, names and addresses of Joint Venture Partners	1. 2. 3.	Provide a draft copy of the Joint Venture Agreement or alternatively the memorandum of understanding
	If a Joint Venture, name of Lead Partner		
For joint ventures, each joint venture partner shall furnish Legal Status separately			
	Name (Lead partner)		Provide certified copies and label as attachment to Clause 4.1(a)
	Legal status		
	Place of registration		
	Principle place of business		
	Written power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 5.1	
	VAT Registration Number		
	Name (Partner 2)		Provide certified copies and label as attachment to Clause 4.1 (a)
	Legal status		
	Place of registration		
	Principle place of business		

	Written power of attorney of the signatory to the Bid	<i>Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 4.1 (a)</i>	
	VAT Registration Number		
	Name (Partner 3)		<i>Provide certified copies and label as attachment to Clause 4.1 (a)</i>
	Legal status		
	Place of registration		
	Principle place of business		
	Written power of attorney of the signatory to the Bid	<i>Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 4.1 (a)</i>	
	VAT Registration Number		
4.2 (a)	ICTAD Registration		<i>Provide certified copies and label as attachment to Clause 4.2(a)</i>
	Registration number		
	Grade		
	Specialty		
	Expiry Date		

Schedule 2 – Annual Turn-over Information (Construction only – Last five years)		
(i) <i>If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application.</i> (ii) <i>For joint ventures, each joint venture partner shall furnish information separately.</i>		
Year	Turn-over	Remarks
1		<i>Attach audited reports and label as attachment to Clause 4.2</i>
2		
3		
4		
5		

Schedule 3 – Adequacy of Working Capital		
<i>If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application</i>		
Source of credit line	Amount	Remarks
		<i>Provide documentary evidence and label as attachment to Clause 4.2</i>
Total		

Schedule 4 – Construction Experience in last five years

(i) *If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application.*

(ii) *For joint ventures, each joint venture partner shall furnish information separately.*

Year	Employer	Description of Works	Amount	Contractor's Responsibility (%)
		Total		

- *Provide documentary evidence and label as attachment to Clause 4.2*

Schedule 5 – Major Items of Construction Equipment Proposed	
Type	Capacity

Schedule 6 – Construction Management Staff		
A. Key Professionals		
Name	Position	Task
B. Support Staff		
Name	Position	Task

Schedule 7 – Time Schedule for Key Staff

[illegible]

Full-time: _____

Part-time:.....

Schedule 8 – Work Programme															
Sheet 1 of															
	<i>[1st, 2nd, etc. are months from the Start Date.]</i>														
Construction Activity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th

Schedule 9 – Input percentages for Price Adjustment Formula		
Input Name <i>(Include major materials below the list, together with percentages for all inputs)</i>	ICTAD Reference for Indices	Percentage <i>(percentages listed should added to 90.0)</i>
Major plant	P1	
Small equipment	P2	
Skilled Labour	L1	
Unskilled Labour	L2	
	Total	90.0

Drawings

1. LFS Karaliyadda – Ceypet/Eng/0561
2. LFS Balangoda - Ceypet/Eng/0565
3. LFS Mahiyanganaya - Ceypet/Eng/0583
4. LFS Mirigama- Ceypet/Eng/0624,Ceypet/Eng/0655-E
5. LFS Deniyaya - Ceypet/Eng/0640, Ceypet/Eng/0640-E
6. LFS Eppawala - Ceypet/Eng/0649, Ceypet/Eng/0653-E
7. LFS Puttalam-Abhuthahir - Ceypet/Eng/0654,Ceypet/Eng/0654-E

Other drawings

1. CEYPET/ENG/SK/0365-B
2. CEYPET/ENG/SK/0060
3. CEYPET/ENG/SK/0032
4. CEYPET/ENG/SK/0437
5. CEYPET/ENG/SK/0050
6. CEYPET/ENG/SK/0059(1525)
7. CEYPET/ENG/SK/0439
8. CEYPET/ENG/SK/0044
9. CEYPET/ENG/UG3 2017
10. CEYPET/ENG/UG5 2017
11. CEYPET/ENG/0511
12. CEYPET/ENG/SK/0021-A
13. CEYPET/ENG/SK/0013

FORM OF BID SECURITY

[this Guarantee form shall be filled in accordance with the instructions indicated in brackets]

----- [insert issuing agency's name, and address of issuing branch or office]

Beneficiary:

Chairman – DPC,
Ceylon Petroleum Corporation,
No. 609, Dr. Danister De Silva Mawatha,
Colombo 09.

Date: ----- [insert (by issuing agency) date]

BID GUARANTEE No.: ----- [insert (by issuing agency) number]
We have been informed that ----- [insert (by issuing agency) name of the Bidder] (hereinafter called "the Bidder") has submitted to you its bid dated ----- [insert (by issuing agency) date] (hereinafter called "the Bid") for the execution of [insert name of Contract] under Invitation for Bids No. ----- [insert IFB number] ("the IFB").

Further more, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we ----- [insert name of issuing agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- [insert amount in figures] ----- [insert amount in words]) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB") of the IFB; or
- (c) having been notified of the acceptance of its Bid by the Employer/Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) the successful bidder furnishing the performance security, otherwise it will remain in force up to ----- (insert date)

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date -----