



CEYLON PETROLEUM CORPORATION

(Ministry of Energy)

BIDDING DOCUMENT

FOR

MODIFICATION OF LANKA FILLING STATIONS

(Galle, Yatiyanthota, Mathugama, Batticaloa, Mallakam, Maradana & Kandy)

PROCUREMENT DOCUMENT

B/38/2026

**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 – Galle, Yatiyanthota, Mathugama, Batticaloa, Mallakam, Maradana and Kandy

B/38 /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 – Galle, Yatiyanthota, Mathugama, Batticaloa, Mallakam, Maradana and Kandy*** as described below and estimated to cost of Rs. 230,000,000.00.

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 procuregeneral@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 24.07.2026 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 27.07.2026. 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. 2,500,000.00.

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 : procuregeneral@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 **Galle, Yatiyanthota, Mathugama, Baticaloa, Mallakam,
Maradana, Kandy**

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. 25.10.2026).
- 17.1 Amount of Bid security:**
The amount of Bid Security is Sri Lanka Rupees: Three Hundred Fifty Thousand only.
(LKR 350,000.00) per location
- 17.2 Validity of Bid Security**
The Bid Security shall be valid up to One Hundred and Nineteen (119) days (i.e. 22.11.2026)
- 19.1 Pre-Bid meeting**
Pre-Bid meeting will be held
Venue, time, and date of the pre-bid meeting.
Date: 17.07.2026
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: 400047003
- 22.1 Deadline for submission of Bids**
Deadline for submission of Bids. On or before 1400 hrs. on 27.07.2026
- 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 27.07.2026.

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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 border="0" style="margin-left: 40px;"> <thead> <tr> <th style="text-align: left;">Indices No</th> <th style="text-align: left;">Input Name</th> <th style="text-align: left;">Input Percentage</th> </tr> </thead> <tbody> <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> </tbody> </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>																														
		<p>Non adjustable element shall be:</p> <ul style="list-style-type: none"> • 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	<i>Clause 19.0 Claims, Disputes and Arbitration</i> <i>Delete existing sub-clause 19.2 (Dispute Resolution),</i> <i>Delete existing sub-clause 19.3 (Procedure for Adjudication),</i> <i>Delete existing sub-clause 19.4 (Replacement of Adjudicator),</i> <i>Delete existing sub-clause 19.5 (Arbitration), and</i> <i>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
- If any of the following conditions apply, namely:
- (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,

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.

- 19.4 Obtaining Dispute Adjudication Board's Decision
- 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.

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	<p>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:</p> <p>(a) Sub-Clause 19.4 [Obtaining Dispute Adjudication Board's Decision] shall not apply, and</p> <p>(b) the dispute may be referred directly to arbitration under Sub-Clause 19.7 [Arbitration].</p>
19.7	Arbitration	<p>(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,</p> <p>(b) Pending the award in any arbitration proceedings hereunder,</p> <p style="padding-left: 20px;">(i) this Contract and the rights and obligations of the Parties shall remain in full force and effect and</p> <p style="padding-left: 20px;">(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.</p> <p>(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.</p>

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

- 6.4.1.1 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 conform 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 Galle, Yatiyanthota, Mathugama, Batticaloa, Mallakam, Maradana and Kandy

To:* *Ceylon Petroleum Corproation*

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 EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PETTILA/ 62/ 10

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	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		

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B O Q NO - 2026/PETTILA/ 62/ 10

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	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		
1A/12	<u>Setting out</u> 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
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION
SALES BUILDING**

B O Q NO - 2026/PETTI'LA/ 62/ 10

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 640m2)	1.00	item		
	<u>Demolition.</u>				
2A/02	Demolish and remove existing structures from the site.(Contractor to give credit on salvaged item).Existing single story sales building as per the drawing (9.5mx5.20m)and remove steel canopy with roof structure including H columns (2 nos of size 200mm*100mm* 5m high each), steel I beams (about 5.0m long each) of the canopy (size : 4.00mx5.75m) ,pump islands , R.C.C slab plastered brick,carefully remove windows and doors,bathroom fittings and accessories ,all existing services such as water supply lines,sewerage lines,electrical installation including fittings septic tank(To remove sludge and back fill with imported soil and to compact 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 Engineer's instructions etc.	1.00	item		
2A/03	Demolishing and removing existing steel hoist .(Removed hoist to hand over to CPC. Rate to include back fill with imported soil and to compact to approval	1.00	item		
	Note -: 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 etc.				

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CEYLON PETROLEUM CORPORATION
SALES BUILDING**

B O Q NO - 2026/PETTILA/ 62/ 10

Item No	Description	Qty.	Unit	Rate	Amount
2A/04	Demolish existing 225 mm (9") thick brick masonry wall including breaking, removing debris, stacking serviceable materials as directed, and carting away all unserviceable materials from site. Work to include protection of adjoining structures, supports as necessary, and temporary works to ensure safety. All work to be carried out in compliance with Engineer's instructions. Carefully remove existing windows including frames, shutters, glazing, grills, mullions, transoms, ironmongery, and all associated fixtures without damaging adjoining finishes; stack serviceable materials for reuse and dispose of unserviceable materials as directed by the Engineer.	6.00	m ²		
2A/06	W - 870mm x 2100mm - 2nr(Fixed glass window)	1.00	item		
2A/07	- Ditto - Doors (1350mmx 2100mm-1No,750mm 2100mm steel door - 1No)	1.00	item		
2A/08	Demolishing wall tiles and clearing debris away.	6.00	m ²		
2A/09	Allow lum sum for supply and filling imported quarry dust spread in existing 2000 galoon under ground fuel tanks. Rate to include to ramme & consolidate to approval	11.00	m ³		
2A/10	Dismantle pipelines and remove existing 1No.2000 gl. Under ground tank and manhole.Rate to be included for back filling with approved earth rammed and consolidated to approval.	3	nr		
2A/11	To transport removed 3nr 2000 gl existing tank loading and un loading fuel tank from LFS Galle to C.P.C Muthurajwela .Rate to includes all handling charges.	1	item		
TOTAL FOR DEMOLISHING WORK CARRIED TO SUMMARY				Rs	

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B O Q NO - 2026/PETTILA/ 62/ 10

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 .	5.00	m ³		
2B/02	- Ditto - in wall foundations .	4.00	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.(Visitors toilet,sales office area)	20.00	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.	2.00	m ³		
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 (25mm) 50mm thick layer under column footings.	4.00	m ²		
2C/02	Lean cement concrete 1:3:6(25mm) 50mm thick layer under rubble wall foundation .	10.00	m ²		

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SALES BUILDING**

B O Q NO - 2026/PETTI'LA/ 62/ 10

Item No	Description	Qty.	Unit	Rate	Amount
2C/03	75mm thick 1:3:6(25mm) plain concrete in sales building floor.	37.00	m ²		
	<u>Reinforced cement concrete Grade 25, to the following</u>				
2C/04	Column footings.	0.50	m ³		
2C/05	Column shafts .	0.15	m ³		
2C/06	Plinth beams. (225mmx225mm)	1.00	m ³		
	<u>Ground floor level to roof level.</u>				
	<u>Reinforced cement concrete Grade 25,to the following.</u>				
2C/07	Columns.	1.50	m ³		
2C/08	Tie Beams.(225mm x 300mm)	1.00	m ³		
	<u>FORM WORK</u>				
	<u>Up to ground level</u>				
2C/09	Form work to sides of column footings.	0.50	m ²		
2C/10	Form work to sides of column shaft .	4.00	m ²		
2C/11	- Ditto - to sides of plinth beams .	15.00	m ²		
	<u>Ground floor level to roof level.</u>				
2C/12	Form work to sides of columns.	15.00	m ²		
2C/13	- Ditto - to sides of tie beams .	5.50	m ²		
	<u>REINFORCEMENT</u>				
	<u>Upto ground floor level</u>				
2C/14	Reinforcement steel in column footing .	90.00	Kg		
2C/15	Reinforcement steel in plinth beams. Y12mm	75.00	Kg		

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B O Q NO - 2026/PETTI'LA/ 62/ 10

Item No	Description	Qty.	Unit	Rate	Amount
2C/16	Y6mm	25.00	Kg		
2C/17	Reinforcement steel in column shaft. Y12mm	30.00	Kg		
2C/18	R6mm	25.00	Kg		
<u>Ground floor level to roof level.</u>					
2C/19	Reinforcement steel in column shaft. Y12mm	110.00	Kg		
2C/20	R6mm	35.00	Kg		
2C/21	Reinforcement steel in tie beams Y12mm	54.00	Kg		
2C/22	R6mm	25.00	Kg		
<u>Precast Concrete Work</u>					
<u>Rates for lintols to include concrete , reinforcement and formwork .</u>					
2C/23	150mmx100mm lintols. (Ground floor)	15.00	Lm		
2C/24	225mmx15mm lintols. (Ground floor)	12.00	Lm		
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.	15	m ²		
2D/02	112.5mm thick brick work in cement and sand 1:5 to walls in ground floor.	10	m ²		
<u>Block work</u>					
2D/03	100mm thick solid cement block work in cement and sand 1:5 to walls in ground floor.	75.00	m ²		
<u>Rubble Work</u>					
2D/04	6"x 9" random rubble masonry work in cement and sand 1:5 to walls foundation.	5.00	m ³		
TOTAL FOR MASONRY WORK CARRIED TO BILL NO -02 SUMMARY				Rs	

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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 .	37.00	m ²		
2E/02	<u>Water proofing</u> 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.)	27.00	m ²		
TOTAL FOR ASPHALT WORK CARRIED TO BILL NO - 02 SUMMARY				Rs	
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 panelled door.Type swd 1 overall size1050mm x 2100mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	2.30	m ²		
2F/02	Supply and fix aluminium framed panelled door .Type D1 overall size 900mm x 2100mm high.Rate includes, glazing beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	1.90	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
2F/03	Supply and fix aluminium framed glazed panelled sliding door.Type SD1 overall size1200mm x 2100mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, of approved quality etc.	2.60	m ²		
2F/04	Supply and fix aluminium framed panelled door fanlight on top. Type D2 overall size 900mm x 2400mm high.Rate includes, glazing beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	4.40	m ²		
2F/05	Supply and fix aluminium framed glazed panelled door.Type SWD1 overall size 1050mm x 2100mm high.Rate includes beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	1.90	m ²		
2F/06	Window type FG1 ,overall size 3400mm x 2400mm aluminium framed fixed glazed panelled window.As per detailed drawing with and including all necessary fixtures & fittings.	8.20	m ²		
2F/07	Window type LV1 ,overall size 450mm x 1800mm aluminium framed fixed louver panelled window.As per detailed drawing with and including all necessary fixtures & fittings.	0.85	m ²		
2F/08	Supply and fix aluminium framed panelled door fanlight on top. Type D3 overall size 875mm x 2400mm high.Rate includes, glazing beading,cutting ,locks,ironmongery,door handle, door closer of approved quality etc.	4.20	m ²		
	<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)	45	m ²		
TOTAL FOR METAL WORK CARRIED TO BILL NO 02 - SUMMARY				Rs	

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Item No	Description	Qty.	Unit	Rate	Amount
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.(Visitors toilet and Electrical generator room)	19	m ²		
2G/02	225mm x 25mm timber valance board fixed to end of steel members with suitable fixing arrangement.	12	Lm		
TOTAL FOR CARPENTRY AND JOINERY WORK CARRIED TO BILL NO 02 - SUMMARY				Rs	
2H	<u>ZINC ALUMINIUM ROOFING</u>				
	<u>Zinc Aluminium Roofing</u>				
	Note -:All steel surfaces (except Galvanized 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 ,Toilet,Store room)	40	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
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 generator room,Visitor's toilet)	15	m ²		
	Flashing				
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)	15	m ²		
2H/04	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)	22.00	Lm		
2H/05	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		
TOTAL FOR CARPENTRY AND JOINERY WORK CARRIED TO BILL NO 02 - SUMMARY				Rs	

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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)	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)	1.0	no		
2J/04	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.0	no		
2J/05	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.0	no		
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 fittings -Rs 5,000/= per No) .	1.00	no		

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Item No	Description	Qty.	Unit	Rate	Amount
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		
	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 .				

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Item No	Description	Qty.	Unit	Rate	Amount
	<u>All pipes shall be U.P.V.C type 1000</u>				
2J/16	20mm dia U.P.V.C types.	15.00	Lm		
2J/17	25mm dia U.P.V.C types.	25.00	Lm		
2J/18	32mm dia U.P.V.C pipes from meter to over head tank.	35.00	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 specials and fixing in position.				
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 -Rs5,000/= 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 measured separately)	1.00	no		
TOTAL FOR PLUMBING WORK CARRIED TO BILL NO -02 SUMMARY				Rs	
2K	<u>DRAINAGE WORK</u>	Note			
	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.				

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Item No	Description	Qty.	Unit	Rate	Amount
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.	3.00	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 100mm thick removable precast cover slab.	1.00	no		
	<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 400)</u>				
2K/06	160mm dia U.P.V.C type 400 pipes	25.00	Lm		

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Item No	Description	Qty.	Unit	Rate	Amount
2K/07	<p><u>Storm Water manhole</u> 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.</p>	2.00	nr		
2K/08	<p><u>Builders work</u> 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.</p>	2.00	nr		
2K/09	<p><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, 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.</p>	1.00	no		

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Item No	Description	Qty.	Unit	Rate	Amount
2K/10	<u>Waste water soakage pit</u> 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				Rs	

2L	<u>FLOOR AND WALL ,CEILING FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>Ceramic Floor Tiling</u>				
	<u>Floor Tiles</u>				
2L/01	Remove existing cement rendered floor finish and 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 as directed.(Prime cost of Rs2200/= per tile, size 600mmx 600mm)	35.00	m ²		
2L/02	Remove existing floor tiles and 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 toilet area in ground floor .(Prime cost of Rs1500 /= per tile, size 600mmx300mm)	2.00	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
2L/03	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) <u>Cement rendering</u>	6.00	m ²		
2L/04	Cement and sand (1:3) rendering 20mm thick finished smooth with colour cement float in A.C. Gen room,area. <u>WALL FINISHES</u> Note -: Rates for plaster work shall include for forming door and window reveals unless otherwise measured separately. <u>External wall finishes</u>	8.00	m ²		
2L/05	16mm thick cement and sand 1:3 plinth plaster finished smooth with colour neat cement slurry .	10.00	m ²		
2L/06	Cement and sand 1:5 plaster 16mm thick finished semi rough with wooden float to walls from ground floor to roof level .	120.00	m ²		
2L/07	Plastering 15mm thick to reveals width not exceeding 225mm in cement and sand 1:5 finished semi-rough in ground floor. (for aluminium doors and windows in 9" thick walls)	45.00	Lm		
2L/08	- Ditto - not exceeding 112.5mm wide (If necessary) <u>Internal Wall Finishes</u>	20.00	Lm		
2L/09	16mm thick cement sand 1:5 plaster finished smooth with lime putty to internal walls from ground floor to roof level .	25.00	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
2L/10	Plastering 16mm thick to reveals width not exceeding 225 in cement and sand 1 :5 finished smooth with two coats of skim coat in ground floor.(for aluminium doors and windows in 225mm thick walls)	45.00	Lm		
2L/11	- Ditto - not exceeding 112.5mm wide (If necessary) <u>Skirting</u>	25.00	Lm		
2L/12	Ceramic tile skirting laid on cement and sand 1:2 screed in ground floor. <u>Cement skirting</u>	45.00	Lm		
2L/13.	Cement skirting in mortar 1:3, 20mm x100mm projected or flush with wall and including forming groove.	5.00	Lm		
2L/14	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)	30.00	m ²		
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	12.00	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 .	165.00	m ²		
2M/03	- Ditto - Boundary walls	125.00	m ²		

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Item No	Description	Qty.	Unit	Rate	Amount
	<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 .	195.00	m ²		
2M/05	-Ditto - on Asbestos Ceiling .	15.00	m ²		
TOTAL FOR PAINTING WORK CARRIED TO BILL NO - 02 SUMMARY				Rs	

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Item	Description	Unit	Qty	Rate	Amount
2N	<p><u>ELECTRICAL INSTALLATION</u></p> <p><u>Note</u></p> <p>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</p> <p>work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000)</p> <p>The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations</p> <p>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</p> <p>PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216</p> <p>All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs</p> <p>All MCBs, RCCBs shall come with minimum of 10 years of warranty period.</p>				

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2N/01	<p>All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period</p> <p><u>Supply , install and wire the following Distribution Board (DB1)(Light & Power for Canopy & Building)</u></p> <p>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, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD)</p> <p>1No 32A 4pole MCB Type C</p> <p>1No 32A 4pole Isolator</p> <p>1No 32A 2pole MCB Type C</p> <p>1No 20A 4pole MCB, 10KA, Type C</p> <p>1No 40A DP RCCB (30mA)</p> <p>4 No 6A SP MCB'S</p> <p>2No 10A SP MCB'S</p> <p>2No 16A SP MCB'S</p>	no.	1		
2N/02	<p><u>Supply , install and wire the following Distribution Board (DB2)-Fuel Terminal Pumps</u></p> <p>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</p> <p>01 No. 32A 4-pole MCB Type C</p> <p>03 No. 32A, 2-pole MCB 10kA</p> <p>06 No. 16A 2-Pole MCB typC</p> <p>03 No. 20A, 2-Pole RCCB 100mA</p>	no.	1		

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	<u>Point wiring including switches (Luminaries measured separately)</u>				
2N/03	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		
2N/04	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		
2N/05	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>				
2N/06	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	no.	1		
2N/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 2 number 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				
2N/08	(a) . 20A double pole indicator switch	nr	3		
2N/09	(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				
2N/10	(a) . 20A double pole indicator switch	no.	1		
2N/11	(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				
2N/12	(a) . 10A one gang one way switch with weather proof cover (IP65)	no.	1		
2N/13	(b) . For the wiring	Lm	30		

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PETTILA/ 62/ 10

	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				
2N/14	(a) . 20A 4 pole MCB Type C+20A 4 Pole RCCB 100mA in Transparent polycarbonate enclosure	no.	1		
2N/15	(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				
2N/15	(a) . 10A one gang one way switch with weather proof cover (IP65)	no.	1		
2N/16	(b) . For the wiring	Lm	24		
	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				
2N/17	(a) . 10A one gang one way switch with weather proof cover (IP65)	no.	1		
2N/18	(b) . For the wiring	Lm	32		

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2N/19	<p><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</p>	Lm	130		
2N/20	<p><u>Supply, install Manual Changeover switch</u> 1No 32A 4Pole Manual Changeover Switch with Handle (Enclosure to be included)</p> <p><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.</p> <p>All LED bulbs shall carry minimum of 2 years warranty warranty cards shall be handed over once the installation is completed</p>	no.	1		

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2N/21	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/22	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQUIRE TYPE)	nr	7		
2N/23	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	nr	3		
2N/24	Supply and installation of Pendant lamp fitting comprising, 12W LED lamp (day light) and all other accessories required for toilet, bathroom & generator room	nr	5		
2N/25	Weather Proof pendant lamp fitting with 16W LED daylight bulb for LK//LP92 pump terminal	nr	2		
2N/26	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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	<p>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.</p>				
2N/27	<p>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.</p> <p>LED strip light shall have minimum 2 years warranty period</p>	nr	2		
2N/28	<p>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.</p> <p>LED strip light shall have minimum 2 years warranty period</p>	nr	2		
2N/29	<p><u>Supply, install and Wire Following Earth Electrode</u></p> <p>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.</p>	Item			
2N/30	<p>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.(For Unloading Point)</p>	Item			

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	<u>Supply , Connect and install the Following Cables</u>				
2N/31	1x4Cx10 mm ² CU/PVC/PVC Cable from CEB Meter to Manual Change Over, Manual Chaneover to DB1 in concealed PVC conduit	Lm	15		
2N/32	1x4Cx6mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from DB1 to DB2 in PVC conduit	Lm	10		
2N/33	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/34	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>				
2N/35	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 EXISTING
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CEYLON PETROLEUM CORPORATION**

SALES BUILDING

B O Q NO - 2026/PETTIGALA/ 62/ 10

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. <hr/> <hr/>

.....
Date

.....
Signature of Bidder

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

MAIN CANOPY

B O Q NO - 2026/PETTILA/ 62/ 10

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	15.00	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.	10.00	m ²		
	<u>Reinforced cement concrete Grade 25 ,to the following</u>				
3A/04	Column footings	3.50	m ³		
3A/05	Column shaft	1.00	m ³		
	<u>FORM WORK</u>				
	<u>Up to ground level</u>				
3A/06	Form work to sides of column footings.	6.00	m ²		
3A/07	Form work to sides of column shaft .	10.00	m ²		
	<u>REINFORCEMENT</u>				
	<u>Upto ground level</u>				

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MAIN CANOPY

B O Q NO - 2026/PETTIGALA/ 62/ 10

Item No	Description	Qty	Unit	Rate	Amount
3A/08	Reinforcement steel to column footings.	90.00	Kg		
3A/09(A)	Reinforcement steel to column shaft. - Y16mm	145.00	Kg		
3A/09(B)	R6mm	35.00	Kg		
	<u>CONSTRUCTION OF CANOPY PUMP ISLAND.</u>				
3A/10	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.	11.00	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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MAIN CANOPY

B O Q NO - 2026/PETTILA/ 62/ 10

Item No	Description	Qty	Unit	Rate	Amount
	<p>Contractors should submit marine paint manufacture's certified product Data Sheet and systems sheets and obtain approval from CPC Engineering (Suppliers should not use 2nd grade industrial Grade as Marine environments) Low quality Bitumen anticorrosive paints not acceptable.</p> <p>2nd Coat 50-75 Microns DFT</p> <p>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 environments)</p> <p>Contractor should provide samples of paint layers to determine the paint thickness while work IS in progress.</p>				
3M/11	Supply and fix 254mmx254mmx(30kg/m) Univesal column including 'necessary connection (welding /bolting) to RCC stub with plate and bolts as shown in drg. No.- CEYPET '/ENG/0066.Including two coats of approved anticorrosive paint.	22.00	Lm		
3M/12	Supply and fix 200mmx133mmx(25kg/m) Univesal beam including 'necessary connection (welding /bolting) to RCC stub with plate and bolts as shown in drg. No.- CEYPET '/ENG/0066.Including two coats of approved anticorrosive paint.	32.00	Lm		

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MAIN CANOPY

B O Q NO - 2026/PETTIGALA/ 62/ 10

Item No	Description	Qty	Unit	Rate	Amount
3M/13	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.	152.00	Lm		
3M/14	Supply and fixing 50 x 25 x 2mm galvenized tube sections in fascia fabrication as shown in drawing No 'CEYPET/ENG/0066	230.00	Lm		
3A/15	Supply and fixing 12mm thick 350mmx350mm base plate on top of column .	4.00	nr		
3A/16	16mm Dia. bolt 200mm long threaded one end and the other bend for anchorage length 1350mm.	32.00	nr		
3A/17	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.)	170.00	m ²		
3A/18	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)	15.50	Lm		
3A/19	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>				

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MAIN CANOPY

B O Q NO - 2026/PETTILA/ 62/ 10

Item No	Description	Qty	Unit	Rate	Amount
3A/20	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	37.00	m ²		
	<u>COMPOSITE CLADDING</u>				
3A/21	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.	50.00	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/22	Size - 1800mm x 900mm pump guards	8.00	nr		
3A/23	Size - 900mm x 900mm pump guards	4.00	nr		
3A/24	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 .	57.00	m ²		
3A/25	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/26	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		

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MAIN CANOPY

B O Q NO - 2026/PETTILA/ 62/ 10

Item No	Description	Qty	Unit	Rate	Amount
3A/27	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		
3A/28	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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DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/PETTILA/ 62/ 10

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 .	35	m ³		
4A/02	Supply spread and compacted to approved density graded aggregate base course (ABC)using 37.5mm aggregate .	45	m ³		
4A/03	Cutting and demolishing of existing 150mm thick asphalted surface in driveway .Rate shall include for debris carted away from site .	175	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 .				
4A/04	Supply and laying of interlock paving stones. (Refer specifications)	200	m ²		

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DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/PETTILA/ 62/ 10

Item No	Description	Qty	Unit	Rate	Amount
4A/05	<p><u>Tarring</u> Prime coat with emulsion/cold bitumen (CSS-1) using 1 ltr/sq.m including blinding with sand at the rate of 250 sq.m/cu.m and brushing cleaning and moistening existing driveway surface (including cost of emulsion) Rate includes transport, loading, unloading & laying charges of all material to the site and hire charges of required machinery (Air compressor, Mechanical broom , emulsion sprayer etc.)</p>	575	m ²		
4A/06	<p><u>Kerbstones</u> Precast cement kerbs 150mmx225mmx900mm to detail with all necessary excavation,formwork,etc.</p>	45.0	Lm		
4A/07	<p><u>Fuel dispensing pipe lines</u> Excavation of trenches to the fuel dispensing lines (pipes laying is included in the contract)</p> <p>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 .</p>	60.0	m ³		
	<p><u>Miscellaneous Work</u> <u>Water proofing of tank manholes</u> Note-: Water proofing should be done according to the following specifications.</p>				

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

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/PETTILA/ 62/ 10

Item No	Description	Qty	Unit	Rate	Amount
4A/08	<p>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.</p> <p>b) External brick wall -steel pipe joint phase should be waterproofed by using an elastomeric joint sealant.</p> <p>c)All the external surfaces should be waterproofed by applying cementitious type water proofing material.</p> <p><u>Manhole</u> Removing and demolishing of existing fuel manhole and 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</p> <p><u>Fuel pipes and Fittings</u></p> <p><u>Note</u> Following item to be executed specially with CPC close supervision and approval.</p>	2.0	nr		

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CEYLON PETROLEUM CORPORATION**

DRIVE WAY & MISCELLANEOUS WORKS

B O Q NO - 2026/PETTILA/ 62/ 10

Item No	Description	Qty	Unit	Rate	Amount
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 necessary fittings and accessories.	125.0	Lm		
4A/10	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/11	- Ditto - for 75mm dia GI pipe for un-loading point .	60.0	Lm		
4A/12	Supply and fixing 40mm Dia (1 1/2") brass of G.I tank top valves .	10.0	nr		
4A/13	Supply,fabrication and installation of a pylon signage as per the specification given in the drawing No CEPET/ENG/SK/0013 .Rate include foundation construction and other facilities to complete the work accordingly for the approval of Engineer.	1.0	nr		
TOTAL CARRIED TO BILL NO -04 MAIN SUMMARY				Rs-	

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CEYLON PETROLEUM CORPORATION

SINGLE CANOPY

B O Q NO - 2026/PETTILA/ 62/ 10

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	Suppy & 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 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.		Note			
e	Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing		Note			

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LANKA FILLING STATION IN GALLE (PETTIGALA.)**

CEYLON PETROLEUM CORPORATION

SINGLE CANOPY

B O Q NO - 2026/PETTI'LA/ 62/ 10

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 & 1x1c x 7/0.67 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.					
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.	1.0	nr			

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

SINGLE CANOPY

B O Q NO - 2026/PETTIGALA/ 62/ 10

Item No	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
5A/02	<p><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.</p> <p>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.</p>	2.00	Lm			
5A/03	Size - 1800mm x 900mm pump guards	1.00	nr			
5A/04	Size - 900mm x 900mm pump guards	2.00	nr			
TOTAL CARRIED TO BILL NO -05 MAIN SUMMARY					Rs-	

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

BOQ NO - 2026/PETTILA/ 62/ 10

Item	Description	Qty.	Unit	Rate	Amount
6A	<p><u>BILL NO - 06 TANK INSTALLATION OF 1NO 5000 GALLOON.</u></p> <p><u>UNDER GROUND TANK</u></p> <p><u>Note:</u></p> <p>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</p> <p>a)It is contractor's responsibility to clean the the inside of the tank after installation.</p> <p>b)Quantities are given for 1 No. 5000 gl. tank.</p> <p>c)" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511/ CEPET/ENG/UG32017.</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p>				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PETTILA/ 62/ 10

Item	Description	Qty.	Unit	Rate	Amount
	(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>				
6A/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	92.0	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)	92.0	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>				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PETTILA/ 62/10

Item	Description	Qty.	Unit	Rate	Amount
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)	4.00	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)	4.00	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)	6.50	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>				
6A/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>				
6A/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>				

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PETTILA/ 62/ 10

Item	Description	Qty.	Unit	Rate	Amount
	<p>Note:- <u>Water proofing should be done according to the following specifications.</u></p> <p>a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant .</p> <p>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.)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>				
6A/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		
6A/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.0	item		
6A/16	Installation of tank with necessary traps and bolts as shown in drawing.	1.0	item		

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CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PETTILA/ 62/ 10

Item	Description	Qty.	Unit	Rate	Amount
6A/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				Rs	

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PETTILA/ 62/ 10

Item	Description	Qty.	Unit	Rate	Amount
7A	<p><u>BILL NO - 07 TANK INSTALLATION OF 2NR 3000 GALLOON.</u></p> <p><u>UNDER GROUND TANK</u></p> <p><u>Note:</u></p> <p>(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</p> <p>b)It is contractor's responsibility to clean the the inside of the tank after installation.</p> <p>c)Quantities are given for 1 No. 3000 gl. tank.</p> <p>d)" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511 / CEPET/ENG/UG32017.</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4)Outer wall concrete with approved water proofing admixture</p> <p>(5)Concrete curing for 21 days.</p>				
	<p>(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</p>				

	(8)Backfilling with sand the inside bottom part of the camber			
7A/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	260.0	m ³	
	<u>Sand filling</u>			
7A/02	River sand filling to a height of 1050mm above base concrete slab.	48.0	m ³	
	<u>Excess Earth</u>			
7A/03	To transport excavated excess earth away from site to a location by the contractor .	260.0	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.	100.0	m ³	
	<u>Shoring</u>			
7A/05	Timber shoring 50mm thick including frame work where if necessary .	300.0	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 .	160.00	m ²	
	<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)	13.20	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)	13.20	m ³	

7A/10	100mm 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)	21.20	m ³		
	<u>Form work</u>				
7A/11	Form work to sides of walls ,cover slabs,edges for tank pit .	440.0	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		
	<u>Fabric mesh reinforcement</u>				
7A/13	BRC Mesh type A142 of BS4483 specification, for reinforcement in tank top .(one layer)	80.0	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.)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		
7A/16	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				Rs	

**BILL OF QUANTITIES FOR THE PROPOSED MODIFICATION OF EXISTING
LANKA FILLING STATION IN GALLE (PETTIGALA.)
CEYLON PETROLEUM CORPORATION**

B O Q NO - 2026/PETTI'LA/ 62/ 10

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.	
	SUB TOTAL 01	Rs.	<hr/>
9.00	LESS PROVISIONAL SUM.	Rs.	
	SUB TOTAL 02	Rs.	<hr/>
10.00	LESS DISCOUNT (if any)	Rs.	
	SUB TOTAL 03	Rs.	<hr/>
11.00	LESS CREDIT ON SALVAGE MATERIAL.	Rs.	
	SUB TOTAL 04	Rs.	<hr/>
12.00	ADD PROVISIONL SUM.	Rs.	
	TOTAL CARRIED TO GRAND SUMMARY (Without taxes)	Rs.	<hr/> <hr/>

Total amount in words

Name of Tenderer

Address

.....
Date

.....
Signature of Tenderer

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026 /MA /09/ 01 - PRELIMINARIES



ITEM REF.		QTY.	UNIT	UNIT RATE	TOTAL PRICE RUPEES
	BILL NO- 01 - PRELIMINARIES				
1A/01	Allow lump sum for providing bid security	1	item		
1A/02	Allow lump sum for providing insurance	1	item		
1A/03	Allow lump sum for providing a performance Guarantee.	1	item		
1A/04	Allow lump sum for providing an advance payment guarantee.	1	item		
1A/05	Provide Lump Sump to construct water tight shed equipment and maintain temporary buildings for protection and storage of materials , plant and workshops.	1	item		
1A/06	Allow lump sum for temporary sanitary accomodation of site for the contractor's staff and workmen.	1	item		
1A/07	Allow lump sum for payment for water consumption to authorities during construction.	1	item		
1A/08	Allow lump sum for payment for electricity temporary supply consumption to authorities during construction.	1	item		
1A/09	Allow lump sum for setting out of the Works .	1	item		
TO BILL NO. 01 CARRIED TO MAIN SUMMARY				RS	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026 /MA /09 / 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 , Pump guard , single canopy , pipe lines and cable etc.					
2A/01	Demolishing and removing of existing store room as shown in the drawing. (Store room Approx. size 5.0m x 5.0 m , Rubble foundation 10m long 350mm wide 300mm high) 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 2400mmdeep), including removal of sludge and back fill with imported soil in layers not exceeding 150mm and compaction to the approval of Engineer.	1.0	Item			
2A/03	Removing all existing Electrical wiring with fitting in sales building and remove from site to a place provided by the contractor.	1.0	Item			
2A/04	Removing existing all timber doors and windows in sales building and remove from site to a place provided by the contractor.	1.0	Item			
2A/05	Removing existing Asbestos sheet roof with timber frame work and asbestos ceiling with timber frame work in sales building and removing from site to a place provided by the contractor.(Approx. area 70m ²)	1.0	Item			
2A/06	Demolishing and removing of existing cement rendered floor area and remove from site to a place provided by the contractor .	40.0	m ²			
2A/07	Demolishing and removing existing 9" thick brick wall and removing from site to a place provided by the contractor .	10.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2A/08	Removing existing bath room fittings (01 No squatting pan, other fittings, floor tile, wall tile etc) and removing from site to a place provided by the contractor .	1.0	Item			
2B	<u>EARTH WORK</u>					
2B/01	Excavation for foundation depth not exceeding 1.0m from finished ground level.	5.0	m ³			
2B/02	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated	20.0	m ³			
2C	<u>CONCRETE WORK</u>					
	<u>Plain Concrete -1:3:6 (25mm aggregate) -Grade -15</u>					
2C/01	75mm thick concrete in existing building and barrel store floor area	55.0	m ²			
	<u>Reinforced cement concrete -1 : 11/2 : 3 (20mm aggregate) - Grade - 25</u> <u>(Reinforcement measured separately)</u>					
2C/02	225mm x 225mm plinth beams in workers bath and genaretor room foundation reinforced with 4 nos 12mm tor bars with 6mm M.S. stirrups at 150 crs. Rate to include R/F and F/W - Oil barrel store area	20.0	m			
2C/03	-Ditto- 100mmx100mm 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 .	15.0	m			
	<u>Water Proofing</u> <u>The method of water proofing with the materials proposed to be forwarded with the quotation</u>					
2C/04	Supply and apply "Xypex" or approved equivalent water proofing agent to manufactures specification to bath rooms .	32.0	m ²			
2D	<u>CEMENT BLOCK WORK</u>					
	<u>Cement block work</u>					
2D/01	100mm thick cement block work in cement sand mix 1:5 in walls	60.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2E	<u>ALUMINIUM DOORS AND WINDOWS</u> All Aluminium Doors and Windows extrusions shall be powder coated and of approved colour (white colour) , Total thickness of 60 - 80 microns.					
2E/01	Door type " GD " overall size 1000mm x 2700mm high Aluminium framed glazed paneled 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. (01No)	2.7	m ²			
2E/02	Door type " D1 " overall size 900mm x 2100mm high Aluminum frame louver paneled door with louvered above, 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)	2.0	m ²			
2E/03	Door type " D2 " overall size 750mm x 2100mm high Aluminum frame louver 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. (03 no)	5.0	m ²			
2E/04	Door type " SWD-1 " overall size 1200mm x 2100mm high Aluminum frame aluminium paneled swing 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. (01 no)	2.6	m ²			
2E/05	Window type " FG -1 " overall size 3600mm x 2400mm Aluminum framed fixed glazed window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	9.0	m ²			
2E/06	Window type " FG2 " overall size 2000mm x 2400mm Aluminum framed fixed glazed window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	5.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2E/07	Window type "LV-1" overall size 1200mm x 600mm Aluminum framed aluminum louver fixed paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (03 No)	2.5	m ²		
2E/08	Window type "LV-2" overall size 600mm x 1200mm Aluminum framed aluminum louver fixed paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (03 No)	2.5	m ²		
ALUMINIUM DOORS AND WINDOWS TOTAL CARRIED TO BILL NO.2					
2F	<u>ROOFING WORK</u> <u>Zinc Aluminium Roof</u> Note: All steel surfaces 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) .	90.0	m ²		
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 .	86.0	m		
2F/03	Supply and fixing 50mm x 25mm x 2mm G I " box" fascia frame work fixed to roof purlin .	110.0	m		
2F/04	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.	31.0	m ²		
2F/05	Supply and installation of "T" panel ceiling (colour white) with G.I. frame work. As directed by the Engineer. (Outside)	65.0	m ²		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<u>Suspension ceiling</u>					
	Note					
2F/06	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 (inside).	30.0	m ²			
2F/07	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)	12.0	m			
2F/08	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.	20.0	m			
2F/09	Supply and fixing 225mm x 25mm timber valance board and barge board (Ginisapu timber or approved equivalent). Rate to include one coat of wood primer and two coats of enamel paint.	12.0	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.	30.0	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)	42.0	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)	8.5	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2G/03	Supply and laying of Homogeneous non slip tiles (600mm x 600mm) on tile adhesives of approved quality and design to sales room . 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 . Tile skirting (100mm high) shall not be measured separately for payment and the rate shall include the cost of tile skirting (Prime cost of a Tile Rs 2200.00 per Tile).	28.0	m ²			
2G/04	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)	35.0	m ²			
2G/05	15mm thick cement lime sand plaster 1:1:5 to internal surfaces of walls and columns finished smooth with lime putty.	55.0	m ²			
2G/06	-Ditto - Preparing reveals not exceeding 300mm wide	80.0	m			
2G/07	15mm thick cement lime sand plaster 1:1:5 to external surfaces of walls and columns finished semi rough with wooden float.	48.0	m ²			
2G/08	20mm thick cement rendering 1:3 to floor of AC/ Genarator room floor plinth 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 1000 uPVC solvent socketed pipes, with necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	10.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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.	10.0	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.	6.0	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.	20.0	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.	18.0	m			
2H/07	- Ditto - 50 mm diameter waste pipe	18.0	m			
<u>Storm water installation</u>						
2H/08	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.	20.0	m			
<u>Sanitary Fittings and toilet accessories</u>						
<u>Note</u>						
(a) Contractor to purches 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 sanitary fittings to be following or equivalent American standard , Rocell or Cotto .						

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	(d) All connections to appliances shall be through 20mm diameter cromium plated angle valve and connected to fittings with 20mm diameter cromium 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 cromium 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)	2.0	nr			
2H/11	Supply and Installation of Cromium plated 20mm dia bib tap Thailand or Malaysian equivalent make (Prime cost of bib tap -Rs 5000 /= per No)	3.0	nr			
2H/12	Supply and installation of bidet shower Thailand or Malaysian equivalent make .(Prime cost of bidet shower with fittings - Rs 7500 /= per No) .	2.0	nr			
2H/13	Supply and installation of 100mm dia stainless steel shower rose Thailand or Malaysian equivalent make .(Prime cost of shower rose with fittings - Rs 7500 /= per No)	1.0	nr			
2H/14	Supply and installation of stainless steel towel rail Thailand or Malaysian equivalent make .(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 Thailand or Malaysian equivalent make .(Prime cost of stainless steel soap tray with fittings Rs 3000 /= per No)	2.0	nr			
2H/16	Supply and installation of upward folding support bar fix to wall.(2' 0" long)	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/17	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.0	nr			
2H/18	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.0	nr			
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 Thailand or Malaysian equivalent make .(Prime cost of mirror 450mm dia - Rs6000 /= per No)	2.0	nr			
2H/21	Supply and installation of 20mm dia garden tap .(Prime cost of 20mm dia garden tap - Rs 2500 /= per No)	1.0	nr			
	<u>Gate valves</u>		nr			
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)	2.0	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			

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CEYLON PETROLEUM CORPORATION

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B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/28	Sewer 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.	2.0	nr			
2H/29	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.	2.0	nr			
2H/30	1200mm dia and 2400mm deep (internal) waste water soakage pit as per detail drawing. 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 accommodate the cover	1.0	nr			
2H/31	1800x900x1650 (internal)septic tank with 1200x900x1650 (internal) attached soakage pit as per detail 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			
PLUMBING AND DRAINAGE WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

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B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/-	<p><u>ELECTRICAL INSTALLATION</u></p> <p><u>Note</u></p> <p>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</p> <p>work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000)</p> <p>The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations</p> <p>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</p> <p>PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216</p> <p>All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs</p> <p>All MCBs, RCCBs shall come with minimum of 10 years of warranty period.</p> <p>All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period</p> <p>The existing conduits in the building can be utilized for lamp point wirings & socket outlets wiring if they are in usable state</p>				
2J/01	<p><u>Supply , install and wire the following Distribution Board (DB1)(Light & Power for Canopy & Building)</u></p> <p>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, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD)</p>				

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B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/02	1No 32A 4pole MCB Type C 1No 32A 4pole Isolator 1No 32A 2pole MCB Type C 1No 20A 4pole MCB, 10KA, Type C 1No 40A DP RCCB (30mA) 4 No 6A SP MCB'S 2No 10A SP MCB'S 2No 16A SP MCB'S	1.0	nr			
	<p><u>Supply , install and wire the following Distribution Board (DB2)-Fuel Terminal Pumps</u></p> <p><u>Supply , install and wire the following Distribution Board (DB2)</u></p> 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 4-pole MCB Type C 03 No. 32A, 2-pole MCB 10kA 06 No. 16A 2-Pole MCB typC 03 No. 20A, 2-Pole RCCB 100mA	1.0	nr			
2J/03	<p><u>Point wiring including switches (Luminaries measured separately)</u></p> - 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	16.0	nr			
2J/04	Lamp point (in the canopy)wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5 mm ² CU/PVC/PVC earth cable in Heavy duty conduit(type 200) buried in the soil from the DB1 up to canopy steel column and through the PVC surface lay conduits from the ground to the canopy top	12.0	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			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<u>Ceiling Fan Point Wiring</u>					
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	2.0	nr			
	<u>Supply Install & wire the following</u>					
2J/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	1.0	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 2 number fo socket outlets) Socket outlets are included	1.0	nr			
2J/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	2.0	nr			
	(b) . For the wiring	22.0	m			
2J/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	1.0	nr			
	(b) . For the wiring	15.0	m			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/11	<p>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</p> <p>(a) . 10A one gang one way switch with weather proof cover (IP65)</p> <p>(b) . For the wiring</p>	1.0	nr			
		12.0	m			
2J/12	<p>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</p> <p>(a) . 20A 4 pole MCB Type C+20A 4 Pole RCCB 100mA in Transparent polycarbonate enclosure</p> <p>(b) . For the wiring</p>	1.0	nr			
		5.0	m			
2J/13	<p>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 earth.</u></p> <p>(a) . 10A one gang one way switch with weather proof cover (IP65)</p> <p>(b) . For the wiring</p>	1.0	nr			
		8.0	m			
2J/14	<p>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></p>					

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/15	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.0	nr			
	(b) . For the wiring	27.0	m			
	Supply for LAD Pump light bulb wire 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. <u>Armoured cable shall be properly connect with the earth.</u>					
2J/16	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.0	nr			
	(b) . For the wiring	22.0	m			
	<u>Supply, install and connect for fuel pump terminals (only under the canopy, LP92/LP95)</u> 2Cx 1 x 2.5mm ² 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>	70.0	m			
2J/17	<u>Supply , install Manual Changeover switch</u> 1No 32A 4Pole Manual Changeover Switch with Handle (Enclosure to be included)	1.0	nr			
	<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					

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/18	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/-)	12.0	nr			
2J/19	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQUIRE TYPE)	6.0	nr			
2J/20	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	2.0	nr			
2J/21	Supply and installation of Pendant lamp fitting comprising, 12W LED lamp (day light) and all other accessories required for toilet, bathroom & generator room	6.0	nr			
2J/22	Weather Proof pendant lamp fitting with 15W LED daylight bulb for LK//Lad/lad pump terminal	3.0	nr			
2J/23	Weather Proof wall bracket lamp fitting with 15W LED daylight bulb	4.0	nr			
2J/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.	2.0	nr			
	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.					

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<u>Supply, install and Wire Following Earth Electrode</u>					
2J/25	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 electrical earth)	1.0	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 Unloading Point)	1.0	item			
	<u>Supply , Connect and install the Following Cables</u>					
2J/27	1x4Cx10 mm ² CU/PVC/PVC Cable from CEB Meter to Manual Change Over, Manual Chaneover to DB1 in concealed PVC conduit	15.0	m			
2J/28	1x4Cx6mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from DB1 to DB2 in PVC conduit	5.0	m			
2J/29	1x4Cx10mm ² CU/PVC/PVC cable from Generator to 4 pole change over switch in PVC conduit	10.0	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						

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2K	<u>PAINTING</u>					
2K/01	Prepare surface and apply one coat of approved primer and two coats of emulsion paint of an approved colour and quality to internal wall surface including reveals in building	165.0	m ²			
2K/02	Prepare surface and apply one coat of primer and two coats of weather shiled paint of an approved colour and quality to external wall surface including reveals in building	50.0	m ²			
PAINTING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

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JOB: MODIFICATION OF L.F.S. YATIYANTHOTA
B.O.Q. No. 2026/MA /09 / 02 .



BILL 02 - BUILDING WORKS

S U M M A R Y

ITEM	DESCRIPTION	AMOUNT
2A	DEMOLITION AND CLEARING	
2B	EARTH WORK	
2C	CONCRETE WORK	
2D	CEMENT BLOCK 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: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026/MA/09 / 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.	8.50	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)	6.50	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.	5.00	m ²			
	<u>Reinforced cement concrete -1:11/2:3 (20mm aggregate)- Grade - 25</u> <u>(Reinforcement measured separately)</u>					
3B/02	300mm thick column footings	1.10	m ³			
3B/03	In column base up to ground level	0.50	m ³			
3B/04	Supply and installing of 254mm x 254mm (30kg/m) universal column (Approx 5.5m 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 shall include for paint as per the below steel paint specification.	2.00	nr			
	<u>Reinforcement</u>					
3B/05	12mm tor steel in column footing	50.00	kg			
3B/06	16mm tor steel in column	78.00	kg			
3B/07	6mm mild steel in columns	18.00	kg			
	<u>Formwork</u>					
3B/08	To vertical sides of coloumn	10.00	m ²			

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B.O.Q. No. 2026/MA/09 / 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	4.00	m			
3C	ZINC ALUMINIUM ROOFING IN CANOPY					
3C/01	Zinc Aluminium Colour bonded AZ -150 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)	115.00	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 separately) . 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.	51.00	m ²			
3C/03	Approved 4mm thick 1 hr fire rated mineral core Aluminium Composite panel (Code RAL - 9003) , Alpolic or similar material including necessary 100x20x2mm and 60x30x2mm Galvernized "C" channel frame work to detail and approval around columns	29.00	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)	15.00	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026/MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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 embedded in concrete column connection to external rain water canales.	16.00	m			
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	43.00	m ²			
<u>STRUCTURAL STEEL AND ROOFING WORK</u>						
<u>Painting of Steel</u>						
All steel to be applied with 2 coats of anticorrosive and 2 coats of enamel paint on well cleaned steel surface.						
Steel Cleaning Equipment and Safety Requirements						
Tools to be used:						
Wire brushes						
Disc sanders / power brushes						
Needle chippers (as required)						
All rust and debris shall be collected and properly disposed of.						
Utmost care and safety must be employed when selecting and using steel cleaning equipment, especially in environments where flammable materials may be present.						
Flames and sparks shall be strictly avoided.						
Only non-magnetic phosphor bronze type tools are recommended for use in such environments.						
3C/07	Supply and fixing 200mm x 133mm (25kg/m) I section universal beam as in detailed drawing . Rate to include paint to detail	16.00	m			
3C/08	Supply and fixing 150mm x 89mm (14kg/m) I section universal beam as in detailed drawing . Rate to include paint to detail	32.00	m			
3C/09	- Ditto - 150mm x 65mm x 2.3mm galvanized lip channel as in detailed drawing. Rate to include paint to detail	88.00	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026/MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<u>Fascia of canopy</u>					
3C/10	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.	135.00	m			
3C/11	Supply and fixing 16mm thick 900 x 900mm base plate on top of column. Rate to include paint to detail	2.00	nr			
3C/12	16mm J bolts embeded on top of coloumn	16.00	nr			
3C/13	Supply , fabricate and fixing 63mm dia Heavy duty GI pipe pump guard as per detail drawing CEYPET/ENG/0060. and as directed	4.00	nr			
3D/	<u>ELECTRICAL WORK</u>					
3D/01	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-B. LED strip light shall have minimum 2 years warranty period	2.00	Item			
3D/02	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-B. LED strip light shall have minimum 2 years warranty period	2.00	Item			
3D/03	Supply, fabricate and install double side light box of (Size 1200mmx150mmx400mm). As per the Sketch No CEYPET/ENG/SK/0437 With 18 watt waterproof LED light inside .	2.00	nr			
3D/04	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/ENG/SK/0437.	2.00	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026/MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3E/- 3E/01	<u>Fabricate, Installation of Logo, Lettering</u> 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	1.0	item			
3E/02	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	1.0	item			
CANOPY TOTAL CARRIED TO MAIN SUMMARY						

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK

Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
<u>BILL NO- 04 - DRIVE WAY & MISCELLANEOUS WORK</u>					
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	Supply , filling and compacting gravel 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)	12.0	m ³		
4A/03	Supply, spread and compact to approved density graded aggregate base course (A B C) using 37.5mm aggregate .	140.0	m ³		
4A/04	Cutting and Demolishing 150mm thick existing RCC / Tar surface of driveway .	5.0	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 .				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK

Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4A/05	<p>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.)</p> <p>(c). Water proofing to be given to reputed agent with 5 years guarantee .</p> <p>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</p>	2.0	nr			
4A/06	<p><u>Fuel dispensing pipe lines</u></p> <p>Supply and laying 40mm (1 1/2") dia GI heavy duty pipe from underground tank to dispensing pump. Rate to include all bends 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 filling with river sand and compacted to approval</p>	40.0	m			
4A/07	Supply and install Tank top valve 1 1/2" (Brass) as approved by the Engineer	3.0	nr			
4B/-	<u>REPAIR OF PYLON SIGNAGE</u>					
4B/01	Repair of existing signage (1200mm x 5500mm double sided pylon signage) . Remove existing stickers and repaste new stickers as per detailed drawing (05 years warranty to the colours of PVC stickers) .	1.0	Ps			200,000.00

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK

Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
4D/- 4C/01	<u>Boundry wall</u> Raising existing retaining walls (Approximately 125mm Wall thickness and 300mm wall high) to proposed driveway level with 1 : 11/2 : 3 (20mm) Concrete and reinforced with 10mm tor steel 150mm centers bathways . Rate to include formwork	1.5	m ³		
4C/02	1:2:4 (20mm) reinforced cement concrete 150mm x 150mm x 900mm high column reinforced with 2 nos 10mm dia bars with 6mm M.S. stirrups at 150mm crs (Rate to include R/F and F/w) at 3.0m crs.	0.5	m ³		
4C/03	100mm thick Hollow cement block work in cement sand mix 1:5 in walls	25.0	m ²		
4C/04	1:2:4 (20mm) reinforced cement concrete 100mm x 100mm Tie beams on top of boundry wall reinforced with 2 nos 10mm bars with 6mm M.S. stirrups at 150mm crs (Rate to include R/F and F/w)	40.0	m		
4C/05	Supply and fixing of 50mm dia heay duty GI Pipe in boundry wall as per detail drawing . Rate to include Zinc phosphate primer and two coats of enamel paint .	40.0	m		
4C/06	5/8" thick cement sand plaster 1:5 to all exposed surface in boundry wall .	65.0	m ²		
4C/07	Prepare surface and apply two coats of master palatte weather shield paint of an approved colour and quality to boundary wall surface .	130.0	m ²		
DRIVE WAY & MISCELLANEOUS WORK TOTAL CARRIED TO MAIN SUMMARY				RS-	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026/MA /09 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
5A/	<p>BILL NO- 05- CONSTRUCTION OF SINGLE CANOPY</p> <p>CONSTRUCTION OF SINGLE CANOPY</p> <p>Notes</p> <p>The rates quoted by the tenderer should include for the followings items.</p> <p>Foundation (02 Nos.):-</p> <p>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.</p> <p>Canopy post (2Nos)</p> <p>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.</p> <p>Roof work</p> <p>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></p> <p>Fascia</p> <p>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.</p> <p>Ceiling</p> <p>e Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing</p>				
			Note		
			Note		
			Note		
			Note		
			Note		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. YATIYANTHOTA

B.O.Q. No. 2026/MA /09 / 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 & 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 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	5.0	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 (size150x 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	3.0	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				RS-	

BILL OF QUANTITIES
CEYLON PETROLEUM CORPORATION
JOB: MODIFICATION OF L.F.S. YATIYANTHOTA
B.O.Q. No. 2026/MA /09



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
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
SUB TOTAL 05	Rs
ADD (.....NBT)	Rs
SUB TOTAL 06	Rs
ADD (.....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: MODIFICATION OF L.F.S. MATHUGAMA
B.O.Q. No. 2026 /MA /09/ 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 drantage 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		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09/ 01 - PRELIMINARIES



ITEM REF.		QTY.	UNIT	UNIT RATE	TOTAL PRICE RUPEES
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		
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: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
BILL NO- 02 - BUILDING WORKS						
2A	<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 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/02	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 .	2.0	nr			
2A/03	Transport 2000gal. removed tanks from site to C.P.C. Kolonnawa / Sapugaskanda. Rate to include all handling charges (if necessary)	2.0	nr			
DEMOLITION AND CLEARING TOTAL CARRIED TO BILL NO.2						
2B	<u>EXCAVATION AND EARTH WORK</u>					
	Note					
	Contractor to also 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.	22.0	m ³			
2B/02	- Ditto - In Columns	5.0	m ³			
2B/03	Earth filling under floors with selected excavated earth at site in 150mm thick layers well rammed and consolidated.	12.0	m ³			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2B/04	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated	12.0	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)	85.0	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.	88.0	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.	29.0	m ²			
2C/02	75mm thick concrete in all floor area including pavement.	62.0	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	1.00	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 canopy 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)	2.75	m ³			
2C/07	In water tank beams	0.7	m ³			
2C/08	In 125mm thick water tank slab	15.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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 . <u>Water Proofing</u> <u>The method of water proofing with the materials proposed to be forwarded with the quotation</u>	45.0	m			
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. <u>Reinforcement</u>	58.0	m ²			
2C/11	12mm tor steel in column footing	60.0	Kg			
2C/12	20mm tor steel in column	160.0	Kg			
2C/13	12mm tor steel in Plinth beam	210.0	Kg			
2C/14	12mm tor steel in water tank column	65.0	Kg			
2C/15	6mm mild steel in columns	30.0	Kg			
2C/16	-Ditto - Plinth beam	80.0	Kg			
2C/17	- Ditto - water tank beam	67.0	Kg			
2C/18	10mm water tank slab <u>Sawn form work</u>	94.0	Kg			
2C/19	To sides of plinth beam	25.0	m ²			
2C/20	To vertical sides of coloumn	16.5	m ²			
2C/21	To water tank slab and beam .	25.0	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	18.0	m ³			
	<u>Brick work</u>					
2D/02	225mm thick brick work in cement sand mix 1:5 in walls	150.0	m ²			
2D/03	112.5mm thick brick work in cement sand mix 1:5 in walls	11.5	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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 "D" overall size 1200mm x 2700mm high Aluminium framed glazed 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)	3.30	m ²			
2E/02	Door type "D1" overall size 1050mm x 2700mm high Aluminum frame double side rotate glazed paneled 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)	2.90	m ²			
2E/03	Door type "D2" overall size 900mm x 2700mm high Aluminum frame 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)	2.50	m ²			
2E/04	Door type "D3" overall size 900mm x 2100mm high Aluminum frame aluminium glazed 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/05	Door type "D4" overall size 750mm x 2700mm Aluminum frame 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)	4.10	m ²			
2E/06	Door type "LD" overall size 1500mm x 2700mm Aluminum framed louvered door , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 no)	4.10	m ²			
2E/07	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			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2E/08	Window type "FG1" overall size 2300mm 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)	6.30	m ²			
2E/09	Window type "W" overall size 1800mm x 1500mm Aluminum framed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (03 No)	8.20	m ²			
2E/10	Window type "SW" overall size 1200mm x 1500mm Aluminum framed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (02 No)	3.60	m ²			
2E/11	Window type "LW" overall size 1200mm x 1800mm Aluminum framed louver window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	4.40	m ²			
2E/12	Fanlight type 'F' overall size 900mm x 600mm Aluminium framed glazed fanlight , all as per detailed drawing and including all necessary fittings. (03No)	1.70	m ²			
ALUMINIUM DOORS AND WINDOWS TOTAL CARRIED TO BILL NO.2						
SUMMARY						
2F	<p><u>ROOFING WORK</u> <u>Zinc Aluminium Roof</u></p> <p>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.</p>					
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 .	67.0	m ²			
2F/02	<p><u>Steel frame work</u></p> <p>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 .</p>	4.5	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 wall with rag bolts in 1:2:4(20mm) 225 x 225 x 200mm concrete pad .	80.0	m			
2F/04	Supply and fixing 50mm x 50mm x 6mm angle iron eaves truss fixed on brick wall with rag bolts in 1:2:4(20mm) 225 x 225 x 200mm concrete pad . Rate shall include for painting . As per detail drawing <u>Suspension ceiling</u> Note	5.0	m			
2F/05	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.	35.0	m ²			
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 groves and 37mm x 37mm Halmilla moulding round the edges where the ceiling meets the walls.	18.0	m ²			
2F/07	Suppply 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)	16.0	m			
2F/08	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.	10.0	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.	25.0	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.	10.0	m ²			
ROOFING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

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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)	65.0	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)	6.2	m ²			
2G/03	Supply and laying of Homogeneous non slip tiles (600mm x 600mm) on tile adhesives of approved quality and design to sales room . 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 . Tile skirting (100mm high) shall not be measured separately for payment and the rate shall include the cost of tile skirting (Prime cost of a Tile Rs 2200.00 per Tile).	34.0	m ²			
2G/04	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)	31.0	m ²			
2G/05	15mm thick cement lime sand plaster 1:5 to internal surfaces of walls and columns finished smooth with wall putty.	175.0	m ²			
2G/06	-Ditto - Preparing reveals not exceeding 300mm wide	118.0	m			
2G/07	15mm thick cement lime sand plaster 1:5 to external surfaces of walls and columns finished semi rough with wooden float.	135.0	m ²			
2G/08	20mm thick cement rendering 1:3 to floor of AC/ Generator room floor plinth and pavement finished smooth with coloured cement slurry.	18.0	m ²			
FINISHES WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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.	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.	15.0	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.	10.0	m			
2H/07	- Ditto - 50 mm diameter waste pipe	10.0	m			
	<u>Storm water installation</u>					
2H/08	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.	50.0	m			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p><u>Sanitary Fittings and toilet accessories</u></p> <p><u>Note</u></p> <p>(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.</p> <p>(b) All sanitary fittings to be following or equivalent American standard, Rocell or Cotto .</p> <p>(c) 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.</p>					
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)	2.0	nr			
2H/11	Supply and Installation of Chromium plated 20mm dia bib tap .(Prime cost of bib tap -Rs 5000 /= per No)	3.0	nr			
2H/12	Supply and installation of bidet shower.(Prime cost of bidet shower with fittings - Rs 7500 /= 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 7500 /= 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)	3.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/15	Supply and installation of stainless steel soap tray .(Prime cost of stainless steel soap tray with fittings Rs 3000 /= per No)	3.0	nr			
2H/16	Supply and installation of upward folding support bar fix to wall.(2' 0" long)	1.0	nr			
2H/17	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.0	nr			
2H/18	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.0	nr			
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 - Rs6000 /= per No)	2.0	nr			
2H/21	Supply and installation of 20mm dia garden tap .(Prime cost of 20mm dia garden tap - Rs2500 /= per No)	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, 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	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.	4.0	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			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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						
2J/-	<u>ELECTRICAL INSTALLATION</u> Note 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 1 work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000) 2 The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations 3 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 4 PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216 5 All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs					

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
6	All MCBs, RCCBs shall come with minimum of 10 years of warranty period.					
7	All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period Point wiring including switches (Luminaries measured separately)					
2/J01	Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5mm ² CU/PVC cable in concealed PVC conduits	27.00	nr			
2/J02	Logo point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5mm ² CU/PVC Cable in concealed PVC conduits	1.00	nr			
2/J03	Ceiling fan points wire through fan 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	2.00	nr			
	<u>Supply Install & wire the following</u>					
2/J04	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	1.00	nr			
2/J05	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			
2/J06	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	2.00	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2/J07	(b) . For the wiring	45.00	m			
	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					
2/J08	(a) . 20A double pole indicator switch	1.00	nr			
	(b) . For the wiring	32.00	m			
	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 Ditto -					
2/J09	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.00	nr			
	(b) . For the wiring	22.00	m			
	Air compressor wired through a 20A 2pole MCB, 10kA in the DB1 using 2Cx4mm ² Cu/PVC/PVC +4mm ² CU/PVC earth wire in PVC conduit					
2/J10	(a) . 20A 2 pole MCB+20A 2 Pole RCCB 100mA	1.00	nr			
	(b) . For the wiring	10.00	m			
2/J10	Supply for LK Pump light bulb wire 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					
	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.00	nr			
	(b) . For the wiring	29.00	m			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2/J11	Supply for D/LP92 Pump light bulb wire 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 (a) . 10A one gang one way switch with weather proof cover (IP65) (b) . For the wiring	1.00 37.00	nr m			
2/J12	Supply for D/LAD Pump light bulb wire 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 (a) . 10A one gang one way switch with weather proof cover (IP65) (b) . For the wiring	1.00 19.00	nr m			
2/J13	Supply, install and connect 2Cx 1 x 2.5mm ² 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	140.00	m			
	<u>Supply , install and wire the following Distribution Board (DB1)(Light & Power for Canopy & Building)</u>					
2/J14	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, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD) 1No 40A 4pole MCB 1No 32A 4pole Isolator 1No 32A 4pole MCB 1No 20A 2pole MCB, 10KA, Type C 3No 32A DP MCB'S 3No 40A DP RCCB (30mA) 7 No 6A SP MCB'S					

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2/J15	3No 10A SP MCB'S 3No 16A SP MCB'S <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 1No 32A 4pole MCB 3 Nos 32A DP MCB, 10KA, Type C 3Nos 40A DP RCCB (100mA) 6 Nos 16A DP MCB, 10kA type C	1.00	nr			
2/J16	<u>Supply , install Manual Changeover switch</u> 1No 40A 4Pole Manual Changeover Switch with Handle (Enclosure to be included)	1.00	nr			
2/J17	<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/-)	9.00	nr			
2/J18	Down light fitting complete with 15W LED lamp and other accessories for the wash rooms	3.00	nr			
2/J19	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQURE TYPE)	10.00	nr			
2/J20	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	2.00	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2/J21	Weather proof wall bracket lamp fitting with 12W LED daylight bulb	4.00	nr			
2/J22	Weather Proof pendant lamp fitting with 16W LED daylight bulb for LK/LAD/LP92 pump terminal	3.00	nr			
2/J23	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.	2.00	nr			
	<u>Supply, install and Wire Following Earth Electrode</u>					
2/J24	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	nr			
	<u>Supply and install the Following Main and Sub Main Cable</u>					
2/J25	1x4Cx10 mm ² CU/PVC/PVC Cable from CEB Meter to Manual Change Over, Manual Chaneover to DB1 in concealed PVC conduit	15.00	m			
2/J26	1x4Cx6mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from DB1 to DB2 in PVC conduit	10.00	m			
2/J27	1x4Cx10mm ² CU/PVC/PVC cable from Generator to 4 pole change over switch in PVC conduit Supply, install Yard light pole	15.00	m			
2/J28	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	2.00	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2/J29	Inspection & Testing 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 emulsion paint of an approved colour and quality to internal wall surface including reveals in building	175.0	m ²			
2K/02	Prepare surface and apply one coat of acrylic primer and two coats of weather shiled paint of an approved colour and quality to external wall surface including reveals in building	135.0	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.	18.0	m ²			
PAINTING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

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 B.O.Q. No. 2026/MA /09 / 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: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA/09 / 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.	3.60	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)	2.60	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.	3.00	m ²			
	<u>Reinforced cement concrete -1:11/2:3 (20mm aggregate)</u> <u>Grade - 25</u> <u>(Reinforcement measured separately)</u>					
3B/02	300mm thick column footings	0.90	m ³			
3B/03	In column base up to ground level	0.46	m ³			
3B/04	- Deitto - In column ground up to roof level	1.50	m ³			
	<u>Reinforcement</u>					
3B/05	12mm tor steel in column footing	30.0	kg			
3B/06	16mm tor steel in column	250.0	kg			
3B/07	6mm mild steel in columns	65.0	kg			
	<u>Formwork</u>					
3B/08	To vertical sides of coloumn	25.0	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	5.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C	ZINC ALUMINIUM ROOFING IN CANOPY					
3C/01	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)	140.0	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 detail 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	25.0	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)	14.2	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.	10.0	m			
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	30.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p><u>STRUCTURAL STEEL AND ROOFING WORK</u></p> <p>Painting of Steel</p> <p>Paint selection specification</p> <p>Anticorrosive Coatings used should be selected as per following Guide lines</p> <p>Corrosivity and environment conditions as per independent Standard ISO 12944</p> <p>The selection of coatings and cleaning process should be based on following criteria to prevent further rusting after the rectifications</p> <p>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</p> <p>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</p> <p>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.</p> <p>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 scams/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.</p> <p><u>Selection of primer for the full coat</u></p> <p>For the Steel selections covered inside by the canopy following is recommended</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
1 st Coat	<p style="text-align: center;">75-100 Microns DFT</p> <p>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</p> <p>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.</p>					
2nd Coat	<p style="text-align: center;">50-75 Microns DFT</p> <p>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)</p> <p>Contractor should provide samples of paint layers to determine the paint thickness while work in progress.</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C/07	Supply and fixing 150mm x 75mm (14kg/m) universal beam in canopy roof as shown in drawing. Rate to include paint to detail	30.0	m			
3C/08	-Ditto - 200mm x 133mm (25kg/m) I section universal beam as in detail drawing ---do---	29.0	m			
3C/09	- Ditto - 150mm x 65mm x 2.3mm galvanized lip channel as in detail drawing	130.0	m			
	<u>Fascia of canopy</u>					
3C/10	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.	130.0	m			
3C/11	- Ditto - 25mm x 25mm x 2mm GI box bar	48.0	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/0060 and as directed	4.0	nr			
3D/-	<u>ELECTRICAL WORK</u>					
3D/01	Supply and install LED strip light water proof (IP65), colour Red around the fascia (approximate length 48m) as per the drawing CEYPET / ENG / SK/ 0365-A. LED strip light shall have minimum 2 years warranty period	1.00	item			
3D/02	Supply and install LED strip light water proof (IP65), colour White around the fascia (approximate length 48m) as per the drawing CEYPET / ENG / SK/ 0365-A. LED strip light shall have minimum 2 years warranty period	1.00	item			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3D/03	Supply, fabricate and install double side light box of (Size 1200mmx300mmx450mm). As per detail drawing No CEYPET/ENG/SK/0437 With 18 watt waterproof LED light inside .	2.00	nr			
3D/04	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/ENG/SK//0437.	4.00	nr			
<u>Fabricate and Installation of Logo, Lettering</u>						
3D/05	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	1.00	item			
3D/06	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			
CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-	-	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
<u>BILL NO- 04 - DRIVE WAY & MISCELLANEOUS WORK</u>						
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.	450.0	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.	35.0	m			
4A/03	Supply , filling and compacting gravel 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)	185.0	m ³			
4A/04	Supply, spread and compact to approved density graded aggregate base course (A B C) using 37.5mm aggregate .	185.0	m ³			
4A/05	Cutting and Demolishing 150mm thick existing RCC / Tar surface of driveway .	10.0	m ²			
	<u>Turfing</u>					
4A/06	Turfing (Buffalo Grass) as specified	30.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p><u>Repair to Manhole</u> Note:- <u>Water proofing of manholes should be done according to the following specifications.</u></p> <p>a). All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant .</p> <p>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.)</p> <p>(c). Water proofing to be given to reputed agent with 5 years guarantee .</p>					
4A/07	<p>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</p>	3.0	nr			
4A/08	<p><u>Fuel dispensing pipe lines</u> Supply and laying 40mm (11/2") dia GI heavy duty pipe from underground tank to dispensing pump. Rate to include all bends socket 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</p>	75.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4A/09	- Ditto - vent pipe . Rate to include applying two coats of anticorrosive paint	85.0	m			
4A/10	Supply and install Tank top value as approved by the Engineer	5.0	nr			
4B/-	<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>					
	<p>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.</p> <p>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.</p> <p>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.</p> <p><u>The entire steel frame structure to be hot dipped galvanized.</u></p> <p>d). No drilling or welding to be carried out after galvanizing process is completed.</p> <p>e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work.</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p>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.</p> <p>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.</p> <p>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</p> <p>j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive.</p> <p>k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation.</p> <p>l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication.</p> <p>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.</p> <p>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.</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA / 09 / 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-		-

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA /09 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
5A/	<p>BILL NO- 05- CONSTRUCTION OF SINGLE CANOPY</p> <p>CONSTRUCTION OF SINGLE CANOPY</p> <p><u>Notes</u></p> <p>The rates quoted by the tenderer should include for the followings items.</p> <p>Foundation (02 Nos.):-</p> <p>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.</p> <p>Canopy post (2Nos)</p> <p>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.</p> <p>Roof work</p> <p>c Suppy & Fixing Zinc Aluminium 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></p> <p>Fascia</p> <p>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.</p> <p>Ceiling</p> <p>e Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing</p>				
			Note		
			Note		
			Note		
			Note		
			Note		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA



B.O.Q. No. 2026/MA /09 / 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	3.0	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	7.5	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	4.0	nr		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA /09 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
5A/03.2	Pump guard 900mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	6.0	nr		
SINGLE CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA/09 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
6/-	<p><u>BILL NO- 06 - TANK INSTALLATION OF 01 NO 3000 GALLON UNDER GROUND TANK</u></p> <p><u>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.</p> <p>It is contractor's responsibility to clean the inside of the tank after installation.</p> <p>" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG32017</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p> <p>(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</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA



B.O.Q. No. 2026/MA/09 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.

Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(8) Backfilling with sand the inside bottom part of the chamber					
	(9) 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 to dimension shown in drawing.	65.0	m ³			
	<u>Shoring</u>					
6/02	Timber shoring 50mm thick including frame work where necessary. As per instruction by site Engineer . Measurement will be taken on nett surface of timber planks	75.0	m ²			
	<u>Dewatering</u>					
6/03	Allow for dewatering underground water. In any area during the period of construction.	1.0	item			
	<u>Sand filling</u>					
6/04	River sand filling to a height of 3'6" above base concrete slab.	12.0	m ³			
	<u>Excess Earth</u>					
6/05	To transport excavated excess earth away from site to a location by the contractor .	65.0	m ³			
	<u>Hard earth filling</u>					
6/06	Approved selected dry earth filling(above sand filling)spread in layers not exceeding 150mm thick at anytime, watered well rammed & consolidated.	25.0	m ³			
	<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	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA/09 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<u>Concrete work</u>					
6/08	150mm thick 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.	3.30	m ³			
6/09	150mm thick R.C.C 1:1 1/2:3(20mm)in tank concrete base slab reinforced with 10mm dia . Tor bars at 225mm centers both ways .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	3.30	m ³			
6/10	100mm thick R.C.C 1:1 1/2:3(20)in tank concrete walls reinforced with 3/8 "dia . Tor bars at 8" centers both ways.(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	5.30	m ³			
	<u>Form work</u>					
6/11	Form work to sides of walls ,cover slabs,edges for tank pit .	110.0	m ²			
	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>					
6/12	Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	730.0	Kg			
6/13	<u>BRC Mesh</u> BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (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 .					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA



B.O.Q. No. 2026/MA/09 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.

Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<p>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.)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>					
6/14.	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 1:1 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	1.0	nr			
6/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.0	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 (traps and bolts etc.) CPC , standered as shown in drawing . Rate to incldes tank transport and all handling charges.	1.0	nr			
	TOTAL FOR ONE TANK			RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount Rs. Cts.
7/-	<p><u>BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON UNDER GROUND TANK</u></p> <p><u>Note</u></p> <p>a)5000 gl. new tank will be supplied by Ceylon Petroleum Corporation at no cost to the contractor.</p> <p>(b). "Drawing" in this BOQ refer to drawing No CEYPET/ENG/0511</p> <p>(c) It is contractor's responsibility to clean the inside of the tank after installation.</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p> <p>(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</p> <p>(8)Backfilling with sand the inside bottom part of the chamber</p>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(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.	92.0	m3			
	<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	m2			
	<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 con	17.0	m3			
	<u>Excess Earth</u>					
7/05	To transport excavared excess earth away from site to a location by the contractor .	92.0	m3			
	<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	m3			
	<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	m2			
	<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 200mm centers both ways .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	4.00	m3			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
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	100mm R.C.C 1:1 1/2:3(20)in tank concrete walls reinforced with 10mm dia . Tor bars two layers (Top and bottom) at 200mm centers both ways . (Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	6.50	m3			
	<u>Form work</u>					
7/11	Form work to sides of walls ,cover slabs,edges for tank pit .	140.00	m2			
	<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	1100.0	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 .					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026 /MA /09 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
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	item			
7/16	Installation of 5000 Gallon under ground fuel tank with necessary accessories (traps and bolts etc.) as shown in drawing . Rate to incldes tank transport from CPC yard Sapugaskanda to LFS Mathugama and all handling charges.	1.0	item			
TOTAL FOR ONE TANK				RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MATHUGAMA

B.O.Q. No. 2026/MA /09



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 NO 3000 GALLON	Rs
BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON	Rs

SUB TOTAL 01 **Rs**

LESS PROVISIONAL SUM **Rs**

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**

SUB TOTAL 05 **Rs**

ADD (.....NBT) **Rs**

SUB TOTAL 06 **Rs**

ADD (.....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: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06/ 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.				
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		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06/ 01 - PRELIMINARIES



ITEM REF.		QTY.	UNIT	UNIT RATE	TOTAL PRICE RUPEES
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		
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: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 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 concrete roof canopy (Approx. size building 10 . 0 m x 7 . 3 m , canopy 6 . 0 m x 5.0m) , water tank (Approx. 1 . 2 m x 1 . 2 m x 4. 5 m height) , concrete ramp (2/6 . 0 m x 0.6m x 0.9 height) and other existing structures from the site.	1.0	item			
2A/02	Demolishing and removing existing steel hoist (Removed hoist handed over to CPC). The rate also to include back filling the area after removing hoist with imported soil and to compact to approval.	1.0	nr			
2A/03	Demolishing and removing existing septic tank and soakage pit (Approx. size 3000mm x 1800mm x 2400m 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 .	4.0	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2A/05	Transport 2000gal. removed tanks from site to C.P.C. Muthurajawela / Sapugaskanda. Rate to include all handling charges .	4.0	nr		
DEMOLITION AND CLEARING TOTAL CARRIED TO BILL NO.2				Rs	
2B	<u>EXCAVATION AND EARTH WORK</u>				
	Note Contractor to also 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.	23.0	m ³		
2B/02	- Ditto - In Columns	5.0	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	12.0	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)	90.0	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				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
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.	90.0	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.	33.0	m ²		
2C/02	75mm thick concrete in all floor area including pavement.	65.0	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	1.20	m ³		
2C/04	In column base up to Plinth beam level	0.45	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 Tie beams	2.80	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)	2.8	m ³		
2C/08	In water tank beams	0.6	m ³		
2C/09	In 125mm thick water tank slab	14.0	m ²		
2C/10	-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 .	10.0	m		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
<u>Water Proofing</u>						
<u>The method of water proofing with the materials proposed to be forwarded with the quotation</u>						
2C/11	Supply and apply "Xypex" or approved equivalent water proofing agent to manufactures specification to bath rooms ,water tank slab , balcony and blind wall.	48.0	m ²			
<u>Reinforcement</u>						
2C/12	12mm tor steel in column footing	165.0	Kg			
2C/13	20mm tor steel in column	160.0	Kg			
2C/14	12mm tor steel in Plinth beam	220.0	Kg			
2C/15	12mm tor steel in 1 st floor beam	220.0	Kg			
2C/16	6mm mild steel in columns	25.0	Kg			
2C/17	-Ditto - Tie beam	85.0	Kg			
2C/18	-Ditto - Plinth beam	85.0	Kg			
2C/19	12mm water tank beam	50.0	Kg			
2C/20	10mm water tank slab	92.0	Kg			
<u>Sawn form work</u>						
2C/21	To sides of plinth beam	25.0	m ²			
2C/22	To sides of tie beam	25.0	m ²			
2C/23	To vertical sides of coloumn	35.0	m ²			
2C/24	To water tank slab and beam .	25.0	m ²			
CONCRETE WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2D	<u>RUBBLE AND BRICK WORK</u>				
	<u>Rubble work</u>				
2D/01	Rubble masonry in cement sand mix 1:5 in trench foundation	15.0	m ³		
	<u>Block work</u>				
2D/02	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) .	130.0	m ²		
2D/03	- Ditto - building roof to canopy roof	25.0	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 (White / red colour) , Total thickness of 60 - 80 microns.				
2E/01	Door type "D" overall size 1200mm 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)	3.30	m ²		
2E/02	Door type "D1" overall size 1050mm x 2700mm high Aluminum frame double side rotate 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)	2.90	m ²		
2E/03	Door type "D2" overall size 900mm x 2700mm 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)	4.90	m ²		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2E/04	Door type "D3" overall size 900mm x 2100mm high Aluminum frame glazed door with fan light 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)	1.90	m ²			
2E/05	Door type 'D4" overall size 750mm x 2700mm Aluminum framed glazed door with louvered above , 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)	4.10	m ²			
2E/06	Window type "LD" overall size 1500mm x 2700mm Aluminum framed louvered door , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 no)	4.10	m ²			
2E/07	Window type "FG" overall size 2800mm x 2700mm Aluminum framed lfixed 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			
2E/08	Window type " FG1" overall size 1100mm 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)	3.00	m ²			
2E/09	Window type 'LW" overall size 1200mm x 1800mm Aluminum framed louvered window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (02 No)	4.40	m ²			
2E/10	Window type "W" overall size 1800mm x 1500mm Aluminum framed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (03 No)	8.20	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2E/11	Window type "SW" overall size 1200mm x 1500mm Aluminum framed glazed window with louvered above, all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (02 No)	3.60	m ²			
2E/12	Fanlight type 'F' overall size 900mm x 600mm Aluminium framed glazed fanlight , all as per detailed drawing and including all necessary fittings. (03No)	1.70	m ²			
ALUMINIUM DOORS AND WINDOWS TOTAL CARRIED TO BILL				Rs		
2F	<p><u>ROOFING WORK</u> <u>Zinc Aluminium Roof</u></p> <p>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.</p>					
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 .	67.0	m ²			
2F/02	<p><u>Steel frame work</u></p> <p>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 .</p>	26.0	m			
2F/03	Supply and fixing of 50mm x 50mm 2mm GI box purlin as per detail drawing.	76.0	m			
	<p><u>Suspension ceiling</u></p> <p>Note</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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.	33.0	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 groves and 37mm x 37mm Halmilla moulding round the edges where the ceiling meets the walls.	22.0	m2			
2F/06	Suppily 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)	15.5	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.	9.0	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.	25.0	m			
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)	64.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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)	6.8	m ²			
2G/03	Supply and laying of Homogeneous non slip tiles (600mm x 600mm) on tile adhesives of approved quality and design to sales room . 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 . Tile skirting (100mm high) shall not be measured separately for payment and the rate shall include the cost of tile skirting (Prime cost of a Tile Rs 2200.00 per Tile).	34.0	m ²			
2G/04	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)	39.0	m ²			
2G/05	15mm thick cement lime sand plaster 1:5 to internal surfaces of walls and columns finished smooth with two coats of skim coat.	180.0	m ²			
2G/06	-Ditto - Preparing reveals not exceeding 300mm wide	95.0	m			
2G/07	15mm thick cement lime sand plaster 1:5 to external surfaces of walls and columns finished semi rough with wooden float.	140.0	m ²			
2G/08	15mm thick plastering to plinth wall in cement sand 1:3 including finishing with cement slurry floating with colour pigment.	12.0	m ²			
FINISHES WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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.	10.0	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.	5.0	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.	15.0	m			
	<u>Soil & Waste water installation</u>					
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.	10.0	m			
2H/06	- Ditto - 63 mm diameter waste pipe.	10.0	m			
	<u>Storm water installation</u>					

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2H/07	<p>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.</p> <p><u>Sanitary Fittings and toilet accessories</u></p> <p><u>Note</u></p> <p>(a) Contractor to purches 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.</p> <p>(b) All taps and accessories to be ' HUIDA ' , or ' HAGAR '</p> <p>(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)</p> <p>(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 equivalant) approved by Engineer.</p>	20.0	m		
2H/08	<p>Supply and installation pedestal type ceramic wash basin (white)22" x 15 " overall size with 20mm dia cromium plated piller tap and other necessary accessaries including water supply and waste water connection . All complete to working order.(Prime cost of wash basin with fitting -Rs 45000 /= per No)</p>	2.0	nr		

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/09	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			
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 - Rs 7500 /= 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)	3.0	nr			
2H/19	Supply and installation of 20mm dia concealed valve.(Prime cost of 20mm dia concealed valve -Rs 5000 /= per No)	4.0	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/20	Supply and installation of mirror 450mm dia .(Prime cost of mirror 450mm dia - Rs 6000 /= 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 2500 /= per No)	1.0	nr			
<u>Gate valves</u>						
2H/22	50mm dia brass gate valves(Prime cost of 20mm dia gate valves - Rs 3500 /= per No)	1.0	nr			
2H/23	25mm dia brass gate valves(Prime cost of 25mm dia gate valves - Rs -5000 /= per No)	1.0	nr			
2H/24	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/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.	3.0	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.	3.0	nr			
2H/27	Sewer 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.	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.	4.0	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				Rs		
2J/-	<u>ELECTRICAL INSTALLATION</u> <u>Note</u>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
	<p><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.</u></p> <p>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.</p> <p>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.</p>				
	<p>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.</p> <p>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.</p> <p>All the quantities given here are approximated values and Quantities may change with the actual installation at the site.</p> <p>All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.</p> <p><u>Point wiring including switches (Luminaries measured separately)</u></p>				
2J/01	Lamp point wire through a 5Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC +2.5mm ² Cu/PVC earth copper wire in concealed PVC conduits	30.0	nr		

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/02	Logo point wire through a 5Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5mm ² Cu/PVC earth wire in concealed PVC conduits	1.0	nr			
2J/03	Ceiling fan points wire through regulator & 5amp sunk switch, using 2x1Cx1.0mm ² Cu/PVC +2.5mm ² Cu/PVC wire in concealed PVC conduits	2.0	nr			
2J/04	Supply Install & wire the following 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.(include 13A socket outlet)	7.0	nr			
2J/05	Yard light points,LKFuel terminals lights outside of canopy & perimeter wall lights wired with 5A 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	85.0	m			
2J/06	Supply for signage tower wire from double 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 (a) . 20A double pole isolator (b) . For the wiring	1.0	nr			
		50.0	m			
2J/07	Supply for air tower wire 2CX1x1.5 mm ² CU/PVC/SWA/PVC to a suitable point near air tower	40.0	m			
2J/08	Air compressor wired through a 20A 4pole isolator switch using 4Cx4mm ² Cu/PVC/PVC+4mm ² Cu earth cables in PVC conduit					

BILL OF QUANTITIES

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/09	(a) . 20A 4 pole isolator	1.0	nr			
	(b) . For the wiring	5.0	m			
	Supply, install and Wire 2Cx 1 x 2.5mm ² 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	85.0	m			
2J/10	<u>Supply , install and wire the following Distribution Board (DB1- Building Light & Power)</u> TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, live bus bars, 3 nos pilot lamps insulated comb busbar and incorporating din rail type, following 1No 32A 4pole MCB 1 No 32A 4 Pole Isolator 3No 32A DP MCB'S 3No 40A DP RCCB (30mA) 6 No 6A SP MCB'S 2No 10A SP MCB'S 2No 16A SP MCB'S 1 No 20A SP MCB	1.0	nr			
2J/11	Supply & Install Manual Changeover Switch Supply & install 32A 4 Pole Manual Changeover switch in a board of Metal Cad body & door	1.0	nr			
2J/12	Supply & Install MCB Supply & install 32A 4 Pole MCB in a Plastic enclosure	1.0	nr			
2J/13	Supply , install and wire the following Distribution Board (DB2-Pump Terminals) TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, insulated comb busbar and incorporating din rail type, following					

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B.O.Q. No. 2026 /BATI /06 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	1No 32A 4pole MCB 3 Nos 20A DP MCB, 10KA, Type C 3Nos 20A DP RCCB (100mA) 3 Nos 16A DP MCB, Type C <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	1.0	nr			
	warranty cards shall be handed over once the installation is completed					
2J/14	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 faling down.(Prime cost of 100W High Bay lamp fitting with similar specification is Rs.10,500/-)	12.0	nr			
2J/15	Supply and installation of sofit/ceiling mount lamp fitting of non-corrode material (Plastic,Aluminium etc)comprising, 18W LED squre type lamp (day light) and all other accessories required	10.0	nr			
2J/16	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required for toilets,wash room	3.0	nr			
2J/17	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	4.0	nr			
2J/18	Supply and installation of weather proof (IP65) bollard type lamp fitting comprising, 12W CFL lamp (day light) and all other accessories required for perimeter wall	5.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/19	Supply and installation of Pendant lamp fitting comprising(Explosion proof,IP65/67), 11W CFL lamp (day light) and all other accessories required for LK lamp outside	1.0	nr			
2J/20	Supply & installation of Ceiling fan of 56"(1400mm) diameter(European/Japanese make),of metal blades, fan hook,regulator complete with other accessories. - Guarantee cards should be provided from accredited agent.	2.0	nr			
	Note: Wall fan to be KDK, National or any other similar make approved by the Electrical Engineer. Warranty Cards tyo be submitted before the installtion.					
2J/21	Supply, install and Wire Following Earth Electrode Provide an earth electrode using 16mm diameter & 1200mm 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	nr			
2J/22	Supply, install and Earth Electrodes at Fuel Unloading Points Provide an earth electrode using 16mm diameter & 1200mm length and earth bar connects to copper earth 2.5mm 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	nr			
2J/23	Supply , Connect and install the Following Main and Sub Main Cable 1x4Cx10 mm ² CU/PVC/PVC Cable from CEB Meter to 32A MCB, 32A MCB to Manual Changeover switch & Manual Changeover Switch to DB1	15.0	m			
2J/24	1x4Cx6 mm ² CU/SWA/PVC Cable from DB1 & DB2 in recessed conduit	6.0	m			

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Item	Description	Qty.	Unit	Rate	Amount Rs. Cts.
2J/25	1x4Cx10mm ² CU/PVC/PVC cable from Generator to 4 pole change over switch in PVC conduit	5.0	m		
2J/26	Supply and install yard light pole in 50mm dia. Medium duty G.I. pipe 6m above the ground level to fix the LED street light fitting	4.0	nr		
2J/27	Supply , Connect and install the Following Earth Cable 1Cx6 mm ² CU/PVC/PVC earth Cable from DB1 to DB2 in recessed conduit	6.0	m		
2J/28	Inspection & Testing 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 emulsion paint of an approved colour and quality to internal wall surface including reveals in building	180.0	m ²		
2K/02	Prepare surface and apply one coat of acrylic primer and two coats of weather shiled paint of an approved colour and quality to external wall surface including reveals in building	140.0	m ²		
2K/03	Prepare surface and apply one coat of primer and two coats of weather shiled paint of an approved colour and quality to Boundry wall surface .	130.0	m ²		
PAINTING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	

**BILL OF QUANTITIES
 CEYLON PETROLEUM CORPORATION
 JOB: MODIFICATION OF L.F.S. BATTICALOA
 B.O.Q. No. 2026 /BATI /06 / 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: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No.2026 /BATI /06 / 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.	3.80	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)	3.00	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.	3.00	m ²			
	<u>Reinforced cement concrete -1:11/2:3 (20mm aggregate) Grade - 25</u> <u>(Reinforcement measured separately)</u>					
3B/02	300mm thick column footings	1.00	m ³			
3B/03	In column base up to ground level	0.50	m ³			
3B/04	- Deitto - In column ground up to roof level	1.50	m ³			
	<u>Reinforcement</u>					
3B/05	12mm tor steel in column footing	30.0	kg			
3B/06	16mm tor steel in column	230.0	kg			
3B/07	6mm mild steel in columns	65.0	kg			
	<u>Formwork</u>					
3B/08	To vertical sides of coloumn	26.0	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	6.5	m			

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B.O.Q. No.2026 /BATI /06 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C	ZINC ALUMINIUM ROOFING IN CANOPY					
3C/01	Zinc Aluminium Colour bonded corrugated roofing sheets AZ-150 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)	140.0	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 detail drawing No CEYPET / ENG / SK / 0365-A.	35.0	m ²			
3C/03	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	23.0	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)	14.0	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.	8.0	m			
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	20.0	m ²			
	<u>STRUCTURAL STEEL AND ROOFING WORK</u>					
	Painting of Steel					
	Paint selection specification					

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B.O.Q. No.2026 /BATI /06 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C/07	Supply and fixing 150mm x 75mm (14kg/m) universal beam in canopy roof as shown in drawing. Rate to include paint to detail	20.0	m			
3C/08	-Ditto - 200mm x 133mm (25kg/m) I section universal beam as in detail drawing ---do---	28.0	m			
3C/09	- Ditto - 150mm x 65mm x 2.3mm galvanized lip channel as in detail drawing	130.0	m			
	<u>Fascia of canopy</u>					
3C/10	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.	120.0	m			
3C/11	Supply and fixing 12mm thick 350 x 350mm base plate on top of column	4.0	nr			
3C/12	16mm J bolts embeded on top of coloumn	32.0	nr			
3C/13	Supply , fabricate and fixing 63mm dia Heavy duty GI pipe pump guard as per detail drawing CEYPET/ENG/0060 and as directed	4.0	nr			
3D/-	<u>ELECTRICAL WORK</u>					
3D/01	Supply and install LED strip light water proof (IP65), colour Red around the fascia (approximate length 50m) as per the drawing CEYPET / ENG / SK/ 0365-B. LED strip light shall have minimum 2 years warranty period	2.00	item			
3D/02	Supply and install LED strip light water proof (IP65), colour White around the fascia (approximate length 50m) as per the drawing CEYPET / ENG / SK/ 0365-B LED strip light shall have minimum 2 years warranty period	2.00	item			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No.2026 /BATI /06 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3D/03	Supply, fabricate and install double side light box of (Size 1200mmx300mmx450mm). As per detail drawing No CEYPET/ENG/SK/0437 with 18 watt waterproof LED light inside .	2.00	nr			
3D/04	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/ENG/SK/0437.	2.00	nr			
Supply , Fabricate and Installation of Logo, Lettering						
3D/05	Supply , fabricate & installation of 900mm dia logol 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			
3D/06	Supply , fabricate & installation of 400mm high red colour perspex sheet boxed type latters as per detail drawing No CEYPET / ENG/ SK/0365-B	1.00	item			
CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-	-	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06/ 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
<u>BILL NO- 04 - DRIVE WAY & MISCELLANEOUS WORK</u>						
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.	500.0	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.	30.0	m			
4A/03	Supply , filling and compacting gravel 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)	90.0	m ³			
4A/04	Supply, spread and compact to approved density graded aggregate base course (A B C) using 37.5mm aggregate .	90.0	m ³			
4A/05	Cutting and Demolishing 150mm thick existing RCC / Tar surface of driveway .	5.0	m ²			
	<u>Turfing</u>					
4A/06	Turfing (Buffalo Grass) as specified	40.0	m ²			
	<u>Fuel dispensing pipe lines</u>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06/ 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4A/07	Supply and laying 37.5 dia GI heavy duty pipe from underground tank to dispensing pump. Rate to include all bends , socket 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	40.0	m			
4A/08	- Ditto - vent pipe . Rate to include applying two coats of anticorrosive paint	40.0	m			
4A/09	Supply and install Tank Top value as approved by the Engineer	5.0	nr			
4B/-	<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>					
	<p>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.</p> <p>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.</p> <p>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.</p> <p><u>The entire steel frame structure to be hot dipped galvanized.</u></p> <p>d). No drilling or welding to be carried out after galvanizing process is completed.</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06/ 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p>e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work.</p> <p>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.</p> <p>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.</p> <p>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</p> <p>j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive.</p> <p>k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation.</p> <p>l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication.</p> <p>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.</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06/ 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4B/01	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			
DRIVE WAY & MISCELLANEOUS WORK TOTAL CARRIED TO				RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06/ 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
5A/	<p>BILL NO- 05- CONSTRUCTION OF SINGLE CANOPY</p> <p>CONSTRUCTION OF SINGLE CANOPY</p> <p><u>Notes</u></p> <p>The rates quoted by the tenderer should include for the followings items.</p> <p>Foundation (02 Nos.):-</p> <p>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.</p> <p>Canopy post (2Nos)</p> <p>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.</p> <p>Roof work</p> <p>c Suppy & Fixing Zinc Aluminium 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. Rate will also include for applying two coats of anticorrosive paint as per the description under 'Painting of Steel' in the Main Canopy BOQ.</p> <p>Fascia</p> <p>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.</p> <p>Ceiling</p> <p>e Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing</p>				
			Note		
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			Note		
			Note		
			Note		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06/ 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
	<p><u>Light fittings</u></p> <p>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 & 1x1cx7/0.67 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.</p>		Note		
	<p>The rate will include for fabricate, installing single canopy .The proposed locations are given below.</p>		Note		
5A/01	<p>Fabricate, supply & install single canopy as per specification & detail drawing no .CEYPET/ENG/SK/0021</p>	1.0	nr		
5A/02	<p>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</p>	2.0	m		
5A/03	<p>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 (size150x 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.</p>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06/ 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
5A/03.1	Pump guard 1800mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	1.0	nr		
5A/03.2	Pump guard 900mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	2.0	nr		
SINGLE CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-	-

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 06 - TANK INSTALLATION OF 3000 GALLON TAN



Item	Description	Qty	Unt	Rate	Amount Rs. Cts.
6/-	<p>BILL NO- 06 - TANK INSTALLATION OF 02 NOS 3000 GALLON UNDER GROUND TANK</p> <p><i>Note:</i> 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.</p> <p>It is contractor's responsibility to clean the inside of the tank after installation.</p> <p>" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG32017</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 06 - TANK INSTALLATION OF 3000 GALLON TAN



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(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>					
6/01	Excavation in tank pit in any type of soil except rock requiring blasting .	130.00	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	150.00	m2			
	<u>Dewatering</u>					
6/03	Allow for dewatering underground water. In any area during the period of construction.	2.00	Nos			
	<u>Sand filling</u>					
6/04	River sand filling to a height of 3'6" above base concrete slab.	24.00	m3			
	<u>Excess Earth</u>					
6/05	To transport excavared excess earth away from site to a location by the contractor .	130.00	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.	50.00	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 .	80.00	m2			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 06 - TANK INSTALLATION OF 3000 GALLON TAN



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<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.	6.60	m3			
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.	6.60	m3			
6/10	100mm R.C.C 1:1 1/2:3(20)in tank concrete walls 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.	10.60	m3			
	<u>Form work</u>					
6/11	Form work to sides of walls ,cover slabs,edges for tank pit .	220.00	m2			
	<u>Reinforcement</u>					
6/12	Supplying fixing or laying 3/8" tor bars in R.C.C base slab ,walls and top slab	1,460.00	Kg			
	<u>Fabric Mesh</u>					
6/13	BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)	40.00	m2			
	<u>Under Ground Fuel Tank Manhole</u>					
	Note:- Water proofing should be done according to the following specifications.					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026 /BATI /06 / 06 - TANK INSTALLATION OF 3000 GALLON TAN



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<p>a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant .</p> <p>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.)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>					
6/14	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	2.00	nr			
6/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	2.00	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 (traps and bolts etc.) CPC , standered as shown in drawing . Rate to incldes tank transport and all handling charges.	2.00	nr			
TOTAL AMOUNT IN 02 NOS TANK				RS-		

BILL OF QUANTITIES

OLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

K INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount Rs. Cts.
7/-	<p><u>BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON UNDER GROUND TANK</u></p> <p><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.</p> <p>It is contractor's responsibility to clean the inside of the tank after installation.</p> <p>" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG52017</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p>				

BILL OF QUANTITIES

OLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

K INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(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.	92.00	m3			
	<u>Shoring</u>					
7/02	Timber shoring 50mm thick including frame work where necessary. As per instruction by site Engineer . Measurement will be taken on nett surface of timber planks	90.00	m2			
	<u>Dewatering</u>					
7/03	Allow for dewatering underground water. In any area during the period of construction.	1.00	item			
	<u>Sand filling</u>					
7/04	River sand filling to a height of 4' 0" above base concrete slab.	17.00	m3			
	<u>Excess Earth</u>					
7/05	To transport excavated excess earth away from site to a location by the contractor .	92.00	m3			
	<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.	35.00	m3			

BILL OF QUANTITIES

OLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

K INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
7/07	<u>Polythene</u> 500Gauge polythene sheet as horizontal damp proof membrane under ground floor slab . Rate shall include for upstand to sides and corners not exceeding 6" in height .	50.00	m2			
7/08	<u>Concrete work</u> 6" R.C.C 1:1 1/2:3 (3/4") in tank concrete top slab reinforced with 10mm dia .Tor bars at 8" centers both ways .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	4.00	m3			
7/09	6" R.C.C 1:2:4(3/4")in tank concrete base slab reinforced with 3/8" dia . Tor bars two layers (Top and bottom) at 8" centers both ways .Rate to include for 6" x6" concrete runners .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	4.00	m3			
7/10	6" R.C.C 1:2:4(20)in tank concrete walls reinforced with 3/8" dia . Tor bars two layers (Top and bottom) at 8"centers both ways .Rate to include for 6" x6" concrete runners .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	6.50	m3			
7/11	<u>Form work</u> Form work to sides of walls ,cover slabs,edges for tank pit .	140.00	m2			
7/12	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u> Supplying fixing or laying 3/8" tor bars in R.C.C base slab ,walls and top slab	1,100.00	Kg			

BILL OF QUANTITIES

OLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

K INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
7/13	<p><u>Fabric Mesh</u> BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)</p> <p><u>Under Ground Fuel Tank Manhole</u></p> <p><u>Note:-</u> <u>Water proofing should be done according to the following specifications.</u></p> <p>a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant .</p> <p>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)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>	26.00	m2			
7/14	<p>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</p>	2.00	nr			

BILL OF QUANTITIES

OLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

K INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
7/15	Scrap wire brush, clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.00	nr			
7/16	Supply , Fabricate , transport and Installation of 5000 Gallon under ground fuel tank (as per the CPC Standard and attached specification) with necessary accessories (traps and bolts etc.) CPC , standered as shown in drawing . Rate to incldes tank transport and all handling charges.	1.00	nr			
Total Amount for 1 Nos Tank.				Rs		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. BATTICALOA

B.O.Q. No. 2026/BATI/06



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 02 NOS 3000 GALLON	Rs
BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON	Rs

SUB TOTAL 01 **Rs**

LESS PROVISIONAL SUM **Rs**

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**

SUB TOTAL 05 **Rs**

ADD (.....NBT) **Rs**

SUB TOTAL 06 **Rs**

ADD (.....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: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 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.				
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		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 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: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 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 8.0 m x 6.7 m) , water tank (Approx. 1.5m x x1.5m x 6.0m height) and other existing structures from the site.	1.0	item			
2A/02	Demolishing and removing existing steel canopy (Approx. size 8.0 m x3.0 m) (Removed canopy steel and roofing sheet handed over to MPCCS)	2.0	Nos			
2A/03	Demolishing and removing existing septic tank and soakage pit (Approx. size 3000mm x 1800mm x 2400m 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 .	1.0	nr			
2A/05	Transport 2000gal. removed tanks from site to C.P.C. regional office Jaffna. Rate to include all handling charges (if necessary)	1.0	nr			
DEMOLITION AND CLEARING TOTAL CARRIED TO BILL NO.2						
SUMMARY						

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2B	<u>EXCAVATION AND EARTH WORK</u>					
	Note Contractor to also 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.	25.0	m ³			
2B/02	- Ditto - In Columns	3.0	m ³			
2B/03	Earth filling under floors with selected excavated earth at site in 150mm thick layers well rammed and consolidated.	4.0	m ³			
2B/04	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated	12.0	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)	95.0	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.	87.0	m ²			
EXCAVATION AND EARTH WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

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CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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.	33.0	m ²			
2C/02	75mm thick concrete in all floor area including pavement.	57.0	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	0.75	m ³			
2C/04	In column base up to Plinth beam level	0.25	m ³			
2C/05	In column from Plinth beam level up to 1 st floor level	0.80	m ³			
2C/06	In Tie beams	3.00	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)	3.00	m ³			
2C/08	In water tank beams	0.40	m ³			
2C/09	In 125mm thick water tank slab	7.5	m ²			
2C/10	-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 .	10.0	m			
	<u>Water Proofing</u>					
	<u>The method of water proofing with the materials proposed to be forwarded with the quotation</u>					
2C/11	Supply and apply "Xypex" or approved equivalent water proofing agent to manufactures specification to bath rooms ,water tank slab , balcony and blind wall.	45.0	m ²			
	<u>Reinforcement</u>					
2C/12	12mm tor steel in column footing	40.0	Kg			
2C/13	12mm tor steel in column	75.0	Kg			
2C/14	12mm tor steel in Plinth beam	235.0	Kg			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2C/15	12mm tor steel in 1 st floor beam	235.0	Kg			
2C/16	6mm mild steel in columns	7.00	Kg			
2C/17	-Ditto - Tie beam	90.0	Kg			
2C/18	-Ditto - Plinth beam	90.0	Kg			
2C/19	- Ditto - water tank beam	30.0	Kg			
2C/20	- Ditto - water tank slab	47.00	Kg			
	<u>Sawn form work</u>					
2C/21	To sides of plinth beam	30.0	m ²			
2C/22	To sides of tie beam	40.0	m ²			
2C/23	To vertical sides of coloumn	17.0	m ²			
2C/24	To water tank slab and beam .	15.0	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	20.0	m ³			
	<u>Cement block work</u>					
	Characteristic strength of load bearing and non load bearing block work shall be 2.5N/mm² and 1.5 N/mm² respectively.					
	All cement and sand concrete blocks shall comply with BS 6073					

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2D/02	100mm thick solid cement block work in cement sand mix 1:5 in walls	150.0	m ²			
2D/03	- Ditto - from building roof level to canopy roof level	25.0	m ²			
RUBBLE AND BRICK WORK TOTAL CARRIED TO BILL NO.2						
SUMMARY						
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 1200mm x 2700mm high Aluminium framed glazed 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)	3.30	m ²			
2E/02	Door type "D1" overall size 1050mm x 2700mm high Aluminum frame double side rotate glazed door with louvered above, all as per detailed drawing and including all necessary fittings. (Stainless steel Door handle , Door lock approved make and quality , hinges , barrel bolt etc.) as approved by the Engineer. (01 no)	3.00	m ²			
2E/03	Door type "D2" overall size 900mm x 2700mm high Aluminum frame 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)	5.00	m ²			
2E/04	Door type "D3" overall size 900mm x 2100mm high Aluminum framed glazed 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			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2E/05	Door type "D4" overall size 750mm x 2700mm 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 , barrol bolt etc.) as approved by the Engineer. (02 no)	4.10	m ²			
2E/06	Door type "LD" overall size 1500mm x 2700mm Aluminum framed louver 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. (01 no)	4.10	m ²			
2E/07	Window type "LW" overall size 1200mm x 1800mm Aluminum framed louvered window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (02 no)	4.50	m ²			
2E/08	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			
2E/09	Window type " FG1" overall size 1100mm 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)	3.00	m ²			
2E/10	Window type " W" overall size 1800mm x 1500mm Aluminum framed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (03 No)	8.50	m ²			
2E/11	Window type " SW" overall size 1200mm x 1500mm Aluminum framed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	3.60	m ²			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2E/12	Fanlight type "F" overall size 600mm x 900mm Aluminium framed glazed fanlight , all as per detailed drawing and including all necessary fittings. (01No)	0.60	m ²			
ALUMINIUM DOORS AND WINDOWS TOTAL CARRIED TO BILL NO.2 SUMMARY						
2F	<p><u>ROOFING WORK</u> <u>Zinc Aluminium Roof</u></p> <p>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.</p>					
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 .	75.0	m ²			
2F/02	<p><u>Steel frame work</u></p> <p>Supply and fixing 150mm x 65mm x 2mm Angle iron fixing on brick wall with rag bolts in 1:2:4(20mm) 225 x 225 x 200mm concrete pad . Rate shall include for applying two coats of marine paint .</p>	65.0	m			
2F/03	Supply and fixing of steel eaves truss as per detail drawing	4.0	nr			
2F/04	<p><u>Suspension ceiling</u></p> <p>Note</p> <p>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.</p>	40.0	m2			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2F/05	Supply and installation of Asbestos eaves 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 groves and 37mm x 37mm Halmilla moulding round the edges where the ceiling meets the walls.	15.0	m ²			
2F/06	Supply and fixing Colour Bonded Zinc Aluminium 300mm x 350mm 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)	16.5	m			
2F/07	Supply and fixing 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.	15.0	m			
2F/08	Supply and fixing 225mm x 25mm timber valance board and barge board (Ginisapu timber or approved equivalent). Rate to include one coat of wood primer and two coats of enamel paint.	20.0	m			
2F/09	Supply and fixing 0.47mm thick Zn / Al plain sheet flashing (50mm embeded to wall) The width of the flashing should not be less than 600mm.	12.0	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)	55.0	m ²			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2G/02	Supply and laying of Ceramic non slip tiles (600mm 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)	8.5	m ²			
2G/03	Supply and laying of Homogeneous non slip tiles (600mm x 600mm) on tile adhesives of approved quality and design to sales room . 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 . Tile skirting (100mm high) shall not be measured separately for payment and the rate shall include the cost of tile skirting (Prime cost of a Tile Rs 2200.00 per Tile).	34.0	m ²			
2G/04	20mm thick cement rendering 1:3 to floor of pavement finished smooth with coloured cement slurry.	15.0	m ²			
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)	37.0	m ²			
2G/06	15mm thick cement sand plaster 1:5 to internal surfaces of walls and columns finished smooth with wall putty.	220.0	m ²			
2G/07	-Ditto - Preparing reveals not exceeding 300mm wide	100.0	m			
2G/08	15mm thick cement sand plaster 1:5 to external surfaces of walls and columns finished semi rough with wooden float.	138.0	m ²			
FINISHES WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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 trenches not exceeding 1 m deep in garden water supply network.	10.0	m			
2H/04	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.	10.0	m			
2H/05	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.	5.0	m			
2H/06	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>					
2H/07	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			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/08	- Ditto - 50 mm diameter waste pipe <u>Storm water installation</u>	20.0	m			
2H/09	160 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 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 purches 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. (c) All sanitary fittings to be following or equivalent American standard , Rocell or Cotto. (d) All connections to appliances shall be through 20mm diameter cromium plated angle valve and connected to fittings with 20mm diameter cromium plated flexible pipe (Thailand or Malaysian equivalent make) approved by Engineer.	40.0	m			
2H/10	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 45,000 /= per No)	2.0	nr			
2H/11	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)	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/12	Supply and installation of ceramic squatting pan with cistern flushing system with concealed valve and piping arrangement.(Prime cost of ceramic squatting pan with fittings -Rs 10,000 /= per No)	1.0	nr			
2H/13	Supply and Installation of Cromium plated 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) .	1.0	nr			
2H/15	Supply and installation of 100mm dia stainless steel shower rose.(Prime cost of shower rose with fittings - Rs 7500 /= 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 2000 /= per No)	2.0	nr			
2H/18	Supply and installation of stainless steel soap tray .(Prime cost of stainless steel soap tray with fittings Rs3000 /= per No)	3.0	nr			
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 - Rs6000 /= per No)	2.0	nr			
2H/21	Supply and installation of 20mm dia garden tap .(Prime cost of 20mm dia garden tap - Rs 2500/= per No)	1.0	nr			
	<u>Gate valves</u>					
2H/22	32mm dia gate valves (Prime cost of 32mm dia gate valves - Rs4000 /= per No)	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/23	25mm dia ball valve(Prime cost of 25mm dia ball valve - Rs 5000 /= per No)	1.0	nr			
2H/24	25 mm dia non return valve(Prime cost of 25 mm dia non return valve - Rs3500 /= 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, 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.	1.0	nr			
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.	2.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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 accommodate 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.	4.0	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						
2J/-	<p><u>ELECTRICAL INSTALLATION</u></p> <p><u>Note</u></p> <p>- 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</p> <p>work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000)</p> <p>The Whole wiring shall be done according to IET Wiring regulation BS 7671 18the Edition/CEB wiring regulations</p>					

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/01	<p>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</p> <p>PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216</p> <p>All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs</p> <p>All MCBs, RCCBs shall come with minimum of 10 years of warranty period.</p> <p>All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period</p> <p><u>Supply , install and wire the following Distribution Board (DB1)(Light & Power for Canopy & Building)</u></p> <p>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, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD)</p> <p>1No 32A 4pole MCB Type C</p> <p>1No 32A 4pole Isolator</p> <p>1No 32A 2pole MCB Type C</p> <p>1No 20A 2pole MCB, 10KA, Type C</p> <p>1No 40A DP RCCB (30mA)</p> <p>4 No 6A SP MCB'S</p> <p>2No 10A SP MCB'S</p> <p>2No 16A SP MCB'S</p>	1.0	nr			
2J/02	<p><u>Supply , install and wire the following Distribution Board (DB2)-Fuel Terminal Pumps</u></p> <p><u>Supply , install and wire the following Distribution Board (DB2)</u></p> <p>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</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	01 No. 32A 4-pole MCB Type C 03 No. 32A, 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>					
2J/03	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	29.0	nr			
2J/04	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/05	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	2.0	nr			
	<u>Supply Install & wire the following</u>					
2J/06	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	1.0	nr			
2J/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 2 number fo socket outlets) Socket outlets are included	1.0	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/08	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					
	(a) . 20A double pole indicator switch	3.0	nr			
	(b) . For the wiring	53.0	m			
2J/09	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	1.0	nr			
	(b) . For the wiring	17.0	m			
2J/10	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)	1.0	nr			
	(b) . For the wiring	30.0	m			

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JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/11	Air compressor wired through a 20A 2pole MCB, 10kA in the DB1 using 2Cx4mm ² Cu/PVC/PVC +4mm ² CU/PVC earth wire in PVC conduit (a) . 20A 2 pole MCB Type C+20A 2 Pole RCCB 100mA in Transparent polycarbonate enclosure (b) . For the wiring	1.0	nr			
2J/12	Supply for LAD Pump light bulb wire 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. <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	nr			
2J/13	Supply for LP92 Pump light bulb wire 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. <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>	1.0	nr			
		18.0	m			

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CEYLON PETROLEUM CORPORATION

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B.O.Q. No. 2023 /MAL /01 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/14	2Cx 1 x 2.5mm ² 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>	130.0	m			
2J/15	<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 warranty cards shall be handed over once the installation is completed	1.0	nr			
2J16	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/-)	12.0	nr			
2J17	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQUIRE TYPE)	9.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J18	Street light fittings(IP65) with 100W LED bulb & arm	3.0	nr			
2J19	Supply and installation of Pendant lamp fitting comprising, 12W LED lamp (day light) and all other accessories required for toilet, bathroom	3.0	nr			
2J20	Weather Proof pendant lamp fitting with 15W LED daylight bulb for LAD/LP92 pump terminal	2.0	nr			
2J21	Weather Proof wall bracket lamp fitting with 15W LED daylight bulb for outside of the building	5.0	nr			
2J22	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.	2.0	nr			
2J/23	<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.	1.0	item			
2J/24	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)	1.0	item			

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CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2J/25	<u>Supply , Connect and install the Following Cables</u> 1x4Cx10 mm ² CU/PVC/PVC Cable from CEB Meter	15.0	m			
2J/26	1x4Cx6mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from DB1 to DB2 in PVC conduit	10.0	m			
2J/27	1x4Cx10mm ² CU/PVC/PVC cable from Generator to 4 pole change over switch in PVC conduit	15.0	m			
2J/28	<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	3.0	nr			
2J/29	<u>Inspection & Testing</u> - Testing the entire installation and rectify any defects and submit a certificate by a chartered electrical engineer for electrical installation	1.0	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 emulsion paint of an approved colour and quality to internal wall surface including reveals in building	220.0	m ²			
2K/02	Prepare surface and apply one coat of acrylic primer and two coats of weather shiled paint of an approved colour and quality to external wall surface including reveals in building	138.0	m ²			
PAINTING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

**BILL OF QUANTITIES
 CEYLON PETROLEUM CORPORATION
 JOB: MODIFICATION OF L.F.S. MALLAKAM
 B.O.Q. No. 2023 /KA /01 / 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.

.....
 Signature of Tenderer

.....
 Date

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL/01 / 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.	7.50	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)	5.80	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.	6.00	m ²			
	<u>Reinforced cement concrete -1:11/2:3 (20mm aggregate) Grade - 25</u> <u>(Reinforcement measured separately)</u>					
3B/02	300mm thick column footings	1.85	m ³			
3B/03	In column base up to ground level	0.75	m ³			
3B/04	- Deitto - In column ground up to roof level	3.20	m ³			
	<u>Reinforcement</u>					
3B/05	12mm tor steel in column footing	62.0	kg			
3B/06	16mm tor steel in column	450.0	kg			
3B/07	6mm mild steel in columns	125.0	kg			
	<u>Formwork</u>					
3B/08	To vertical sides of coloumn	45.0	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	5.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL/01 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount		
					Rs.	Cts.	
3C	ZINC ALUMINIUM ROOFING IN CANOPY						
3C/01	Zinc Aluminium Colour bonded AZ - 150 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)	180.0	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 separately) . 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.	65.0	m ²				
3C/03	Approved 4mm thick 1 hr fire rated Aluminium Composite panel (Code RAL - 9003) , Alpolic or similar material including necessary 100x20x2mm and 60x30x2mm Galvernized "C" channel frame work to detail and approval around columns	22.0	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)	14.0	m				
3C/05	Colour Bonded Zinc Aluminium down pipe 125mm x 87.50mm 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.	16.0	m				
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	32.0	m ²				
	<u>STRUCTURAL STEEL AND ROOFING WORK</u>						
	Painting of Steel						
	Paint selection specification						

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL/01 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C/07	Supply and fixing 150mm x 75mm (14kg/m) universal beam in canopy roof as shown in drawing. Rate to include paint to detail	38.0	m			
3C/08	-Ditto - 200mm x 133mm (25kg/m) I section universal beam as in detail drawing ---do---	28.0	m			
3C/09	- Ditto - 150mm x 65mm x 2.3mm galvanized lip channel as in detail drawing	175.0	m			
	<u>Fascia of canopy</u>					
3C/10	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.	240.0	m			
3C/11	- Ditto - 25mm x 25mm x 2mm Box bar in canopy fascia frame.	110.0	m			
3C/12	Supply and fixing 12mm thick 950 x 950mm 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/0060 and as directed	4.0	nr			
3D/-	<u>ELECTRICAL WORK</u>					
3D/01	Supply and install LED strip light water proof (IP65), colour Red around the fascia (approximate length 50m) as per the drawing CEYPET / ENG / SK/ 0365-B. LED strip light shall have minimum 2 years warranty period	2.00	item			
3D/02	Supply and install LED strip light water proof (IP65), colour White around the fascia (approximate length 50m) as per the drawing CEYPET / ENG / SK/ 0365-B. LED strip light shall have minimum 2 years warranty period	2.00	item			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL/01 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3D/03	Supply, fabricate and install double side light box of (Size 1200mmx300mmx450mm). As per detail drawing No CEYPET/ENG/SK/0437 with 18 watt waterproof LED light inside .	2.00	nr			
3D/04	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/ENG/SK/0437.	2.00	nr			
<u>Supply , Fabricate and Installation of Logo, Lettering</u>						
3D/05	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/06	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-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023/MAL / 01 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
<u>BILL NO- 04 - DRIVE WAY & MISCELLANEOUS WORK</u>						
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.	380.0	m ²			
4A/02	Supply , filling and compacting gravel 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)	54.0	m ³			
4A/03	Supply, spread and compact to approved density graded aggregate base course (A B C) using 37.5mm aggregate .	54.0	m ³			
4A/04	Cutting and Demolishing 150mm thick existing RCC / Tar surface of driveway .	1.0	m ³			
4A/05	<u>Turfing</u> Turfing (Buffalo Grass) as specified	15.0	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 .					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023/MAL / 01 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p>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.)</p> <p>(c). Water proofing to be given to reputed agent with 5 years guarantee .</p>					
4A/06	<p>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</p>	2.0	nr			
	<u>Fuel dispensing pipe lines</u>					
4A/07	<p>Supply and laying 37.5 dia GI heavy duty pipe from underground tank to dispensing pump. Rate to include all bends, 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</p>	85.0	m			
4A/08	<p>- Ditto - vent pipe . Rate to include applying two coats of anticorrosive paint</p>	63.0	m			
4A/09	<p>- Ditto - 75mm dia GI heavy duty pipe</p>	50.0	m			
4A/10	<p>Supply and fixing of tank top valves as approved by Engineer.</p>	6.0	nr			

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CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023/MAL / 01 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4B/-	<p><u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u></p> <p>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.</p> <p>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.</p> <p>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.</p> <p><u>The entire steel frame structure to be hot dipped galvanized.</u></p> <p>d). No drilling or welding to be carried out after galvanizing process is completed.</p> <p>e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work.</p> <p>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.</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023/MAL / 01 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount		
					Rs.	Cts.	
4B/01	<p>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.</p> <p>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</p> <p>j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive.</p> <p>k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation.</p> <p>l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication.</p> <p>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.</p> <p>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.</p> <p>Supply ,fabricate and install of 1200mm x 5500mm double sided pylon signage as per specification and detailed drawing</p>	1.0	nr				
DRIVE WAY & MISCELLANEOUS WORK TOTAL CARRIED TO MAIN SUMMARY						RS-	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023/MAL /01 / 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.				
	Foundation (02 Nos.):-				
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
	Canopy post (2Nos)				
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-				Note
	Roof work				
c	Suppy & Fixing Zinc Aluninium colour bonded roofing sheets(not less than 0.47mm total coated thickness) 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 as per the description under 'Painting of Steel' in the Main				Note
	Fascia				
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
	Ceiling				
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: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023/MAL /01 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
f	Light fittings 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		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	2.0	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.				

BILL OF QUANTITIES**CEYLON PETROLEUM CORPORATION****JOB: MODIFICATION OF L.F.S. MALLAKAM****B.O.Q. No. 2023/MAL /01 / 05 - CONSTRUCTION OF SINGLE CANOPY**

Item No	Description	Qty.	Unit	Rate	Amount
5A/03.1	Pump guard 1800mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	3.0	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				RS-	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 06 - TANK INSTALLATION OF 3000 GALLON



Item	Description	Qty	Unt	Rate	Amount Rs. Cts.
6/-	<p><u>BILL NO- 06 - TANK INSTALLATION OF 02 NOS 3000 GALLON UNDER GROUND TANK</u></p> <p><i>Note:</i> 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.</p> <p>It is contractor's responsibility to clean the inside of the tank after installation.</p> <p>" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG32017</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 06 - TANK INSTALLATION OF 3000 GALLON



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<p>(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</p> <p>(8) Backfilling with sand the inside bottom part of the camber</p> <p>(9) Backfilling with soil inside and outside of the chamber</p>					
	<p><u>Tank Pit Excavation</u></p>					
6/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	130.0	m ³			
	<p><u>Shoring</u></p>					
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	150.0	m ²			
	<p><u>Dewatering</u></p>					
6/03	Allow for dewatering underground water. In any area during the period of construction.	2.0	item			
	<p><u>Sand filling</u></p>					
6/04	River sand filling to a height of 3'6" above base concrete slab.	24.0	m ³			
	<p><u>Excess Earth</u></p>					
6/05	To transport excavared excess earth away from site to a location by the contractor .	130.0	m ³			
	<p><u>Hard earth filling</u></p>					
6/06	Approved selected dry earth filling(above sand filling)spread in layers not exceeding 6" at anytime, watered well rammed & consolidated.	50.0	m ³			

BILL OF QUANTITIES
CEYLON PETROLEUM CORPORATION
JOB: MODIFICATION OF L.F.S. MALLAKAM



B.O.Q. No. 2023 /MAL /01 / 06 - TANK INSTALLATION OF 3000 GALLON

Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<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 .	80.00	m ²			
	<u>Concrete work</u>					
6/08	150mm thick 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.	6.60	m ³			
6/09	150mm thick R.C.C 1:1 1/2:3(20mm)in tank concrete base slab reinforced with 10mm dia . Tor bars at 225mm centers both ways .(Reinforcement measured separately) . Rate to include for waterproofing admixtures as approved by Engineer.	6.60	m ³			
6/010	100mm thick 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.	10.60	m ³			
	<u>Form work</u>					
6/11	Form work to sides of walls ,cover slabs,edges for tank pit .	220.0	m ²			
	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>					
6/12	Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	1460.0	Kg			
6/13	<u>BRC Mesh</u> BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)	40.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 06 - TANK INSTALLATION OF 3000 GALLON



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<p><u>Under Ground Fuel Tank Manhole</u></p> <p><u>Note:-</u> <u>Water proofing should be done according to the following specifications.</u></p> <p>a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant .</p> <p>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.)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>					
6/14	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 1:1 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	2.0	nr			
6/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	2.0	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 06 - TANK INSTALLATION OF 3000 GALLON



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
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 (traps and bolts etc.) CPC , standered as shown in drawing . Rate to includes tank transport and all handling charges.	2.0	nr			
TOTAL FOR TWO TANKS				RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount Rs. Cts.
7/-	<p><u>BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON UNDER GROUND TANK</u></p> <p><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.</p> <p>It is contractor's responsibility to clean the inside of the tank after installation.</p> <p>" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG52017</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(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.	92.0	m3			
	<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	m2			
	<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	17.0	m3			
	<u>Excess Earth</u>					
7/05	To transport excavared excess earth away from site to a location by the contractor .	92.0	m3			
	<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	m3			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
7/07	<u>Polythene</u> 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	m2			
7/08	<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 .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	4.00	m3			
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	100mm R.C.C 1:1 1/2:3(20)in tank concrete walls reinforced with 10mm dia . Tor bars two layers (Top and bottom) at 200mm centers both ways . (Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	6.50	m3			
7/11	<u>Form work</u> Form work to sides of walls ,cover slabs,edges for tank pit .	140.00	m2			
	<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	1100.0	Kg			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023 /MAL /01 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
7/13	<p><u>BRC Mesh</u> BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)</p> <p><u>Under Ground Fuel Tank Manhole</u> Note:- Water proofing should be done according to the following specifications.</p> <p>a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant</p> <p>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.)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>	26.0	m ²			
7/14	<p>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</p>	2.0	nr			

BILL OF QUANTITIES**CEYLON PETROLEUM CORPORATION****JOB: MODIFICATION OF L.F.S. MALLAKAM****B.O.Q. No. 2023 /MAL /01 / 07- TANK INSTALLATION OF 5000 GALLON TANK.**

Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
7/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	1.0	item			
7/16	Supply , Fabricate , transport and Installation of 5000 Gallon under ground fuel tank (as per the CPC Standard and attached specification) with necessary accessories (traps and bolts etc.) CPC , standered as shown in drawing . Rate to includes tank transport and all handling charges.	1.0	nr			
	TOTAL FOR ONE TANK			RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. MALLAKAM

B.O.Q. No. 2023/MAL /01

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 02 NOS 3000 GALLON	Rs
BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON	Rs

SUB TOTAL 01 **Rs**

LESS PROVISIONAL SUM **Rs**

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**

SUB TOTAL 05 **Rs**

ADD (.....NBT) **Rs**

SUB TOTAL 06 **Rs**

ADD (.....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:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09/ 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		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09/ 01 - PRELIMINARIES



ITEM REF.		QTY.	UNIT	UNIT RATE	TOTAL PRICE RUPEES
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		
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:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09 / 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 with concrete roof top(Approx. size 14 . 0 m x 9 . 0 m x 6 .0 m height) , water tank (Approx. 1 . 5 m x 1 . 5 m x 1 . 5 m height) , concrete ramp (2/6 . 0 m x 0.6m x 0.9 height) and other existing structures from the site.	1.0	item			
2A/02	Demolishing and removing existing steel hoist (Removed hoist handed over to CPC). The rate also to include back filling the area after removing hoist with imported soil and to compact to approval.	2.0	Nos			
2A/03	Demolishing and removing existing septic tank and soakage pit (Approx. size 3000mm x 1800mm x 2400m 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 .	2.0	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2A/05	Transport 2000gal. removed tanks from site to C.P.C. Kolonnawa / Sapugaskanda. Rate to include all handling charges (if necessary)	2.0	nr			
DEMOLITION AND CLEARING TOTAL CARRIED TO BILL NO.2						
2B	<u>EXCAVATION AND EARTH WORK</u> Note Contractor to also 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.	30.0	m ³			
2B/02	- Ditto - In Columns	3.0	m ³			
2B/03	Earth filling under floors with selected excavated earth at site in 150mm thick layers well rammed and consolidated.	18.0	m ³			
2B/04	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated	18.0	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)	100.0	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.	100.0	m ²			
EXCAVATION AND EARTH WORK TOTAL CARRIED TO BILL NO.2						

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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.	33.0	m ²			
2C/02	75mm thick concrete in all floor area including pavement.	76.0	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	0.90	m ³			
2C/04	In column base up to Plinth beam level	0.20	m ³			
2C/05	In column from Plinth beam level up to 1 st floor level	0.90	m ³			
2C/06	In Tie beams	3.20	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)	3.2	m ³			
2C/08	In water tank beams	0.5	m ³			
2C/09	In 125mm thick water tank slab	22.8	m ²			
2C/10	-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 .	10.0	m			
	<u>Water Proofing</u> <u>The method of water proofing with the materials proposed to be forwarded with the quotation</u>					
2C/11	Supply and apply "Xypex" or approved equivalent water proofing agent to manufactures specification to bath rooms ,water tank slab , balcony and blind wall.	42.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<u>Reinforcement</u>					
2C/12	12mm tor steel in column footing	35.0	Kg			
2C/13	20mm tor steel in column	180.0	Kg			
2C/14	12mm tor steel in Plinth beam	243.0	Kg			
2C/15	12mm tor steel in 1 st floor beam	243.0	Kg			
2C/16	6mm mild steel in columns	22.0	Kg			
2C/17	-Ditto - Tie beam	90.0	Kg			
2C/18	-Ditto - Plinth beam	90.0	Kg			
2C/19	Ditto water tank beam	43.0	Kg			
2C/20	Ditto water tank beam	210.0	Kg			
	<u>Sawn form work</u>					
2C/21	To sides of plinth beam	28.0	m ²			
2C/22	To sides of tie beam	28.0	m ²			
2C/23	To vertical sides of coloumn	16.5	m ²			
2C/24	To water tank slab and beam .	24.0	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	32.5	m ³			
	<u>Brick work</u>					
2D/02	225mm thick brick work in cement sand mix 1:5 in walls	160.0	m ²			
2D/03	- Ditto - building roof to canopy roof	16.5	m ²			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2D/04	112.5mm thick brick work in cement sand mix 1:5 in walls	6.5	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 "D" overall size 1500mm x 2700mm high Aluminium framed 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)	4.10	m ²			
2E/02	Door type "D1" overall size 900mm x 2700mm high Aluminum frame glazed paneled sliding 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. (02 no)	5.00	m ²			
2E/03	Door type "D2" overall size 1050mm x 2700mm high Aluminum frame aluminium 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)	3.00	m ²			
2E/04	Door type "D3" overall size 900mm x 2100mm high Aluminum frame aluminium paneled door with fan light 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/05	Door type "D4" overall size 750mm x 2700mm Aluminum louver paneled folding 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. (02 no)	4.10	m ²			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2E/06	Window type "LD" overall size 1500mm x 2700mm Aluminum framed glazed paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 no)	4.10	m ²			
2E/07	Window type "FG" overall size 2250mm x 2700mm Aluminum framed louver paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	6.10	m ²			
2E/08	Window type " FG1" overall size 1650mm x 2700mm Aluminum framed louver window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	4.50	m ²			
2E/09	Window type "FG2" overall size 1500mm x 2700mm Aluminum framed louver paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (02 No)	8.10	m ²			
2E/10	Window type "W" overall size 1200mm x 1800mm Aluminum framed louver window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	2.20	m ²			
2E/11	Window type "LW" overall size 1200mm x 1800mm Aluminum framed louver window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	2.20	m ²			
2E/12	Fanlight type 'F' overall size 900mm x 600mm Aluminium framed glazed fanlight , all as per detailed drawing and including all necessary fittings. (03No)	1.70	m ²			
ALUMINIUM DOORS AND WINDOWS TOTAL CARRIED TO BILL						

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2F	<p><u>ROOFING WORK</u> <u>Zinc Aluminium Roof</u></p> <p>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.</p>					
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 .	80.0	m ²			
	<p><u>Steel frame work</u></p>					
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 .	80.0	m			
2F/03	Supply and fixing of steel eaves truss as per detail drawing.	6.0	m			
	<p><u>Suspension ceiling</u></p>					
	<p>Note</p>					
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.	60.0	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 eaves 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.	14.0	m ²			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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)	15.0	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 embedded in concrete column connection to external rain water canals.	15.0	m			
2F/08	Supply and fixing 225mm x 25mm timber valance board and barge board (Ginisapu timber or approved equivalent). Rate to include one coat of wood primer and two coats of enamel paint.	20.0	m			
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.	16.0	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)	73.0	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)	12.5	m ²			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2G/03	Supply and laying of Homogeneous non slip tiles (600mm x 600mm) on tile adhesives of approved quality and design to sales room . 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 . Tile skirting (100mm high) shall not be measured separately for payment and the rate shall include the cost of tile skirting (Prime cost of a Tile Rs 2200.00 per Tile).	45.0	m ²			
2G/04	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)	53.0	m ²			
2G/05	15mm thick cement sand plaster 1:5 to internal surfaces of walls and columns finished smooth with wall putty.	250.0	m ²			
2G/06	-Ditto - Preparing reveals not exceeding 300mm wide	100.0	m			
2G/07	15mm thick cement sand plaster 1:5 to external surfaces of walls and columns finished semi rough with wooden float.	130.0	m ²			
2G/08	20mm thick cement rendering 1:3 to floor of AC/ Generator room floor and pavement finished smooth with coloured cement slurry.	17.0	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			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/03	32mm diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in trenches not exceeding 1 m deep in garden water supply network.	10.0	m			
2H/04	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.	10.0	m			
2H/05	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.	5.0	m			
2H/06	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.	15.0	m			
	<u>Soil & Waste water installation</u>					
2H/07	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/08	- Ditto - 50 mm diameter waste pipe	20.0	m			
	<u>Storm water installation</u>					
2H/09	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.	35.0	m			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p><u>Sanitary Fittings and toilet accessories</u></p> <p><u>Note</u></p> <p>(a) Contractor to purchase all items from the agent with agent warranty and invoice.</p> <p>Samples and technical data / catalogue to be submitted and obtained approval from the client before purchasing the materials.</p> <p>(c) All sanitary fittings to be following or equivalent American standard, Rocell or Cotto.</p> <p>(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.</p>					
2H/10	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/11	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)	1.0	nr			
2H/12	Supply and installation of ceramic squatting pan with cistern flushing system with concealed valve and piping arrangement.(Prime cost of ceramic squatting pan with fittings -Rs 10,000 /= per No)	1.0	nr			
2H/13	Supply and Installation of Chromium plated 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			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/15	Supply and installation of 100mm dia stainless steel shower rose.(Prime cost of shower rose with fittings - Rs 7500 /= per No)	2.0	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 2000 /= per No)	3.0	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			
2H/19	Supply and installation of 20mm dia concealed valve.(Prime cost of 20mm dia concealed valve -Rs 5000/= per No)	2.0	nr			
2H/20	Supply and installation of mirror 450mm dia .(Prime cost of mirror 450mm dia - Rs6000 /= per No)	2.0	nr			
2H/21	Supply and installation of 20mm dia garden tap .(Prime cost of 20mm dia garden tap - Rs 2500/= per No)	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	25mm dia gate valves(Prime cost of 25mm dia gate valves - Rs -4000 /= per No)	1.0	nr			
2H/24	32mm dia gate valves (Prime cost of 32mm dia gate valves - Rs 5000 /= per No)	1.0	nr			
2H/25	25mm dia ball valve(Prime cost of 25mm dia ball valve - Rs 5000 /= per No)	1.0	nr			
2H/26	25 mm dia non return valve(Prime cost of 25 mm dia non return valve - Rs 3500 /= per No)	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/27	Supply and installation of upward folding support bar fix to wall.(2' 0" long)	1.0	nr			
2H/28	Supply and installation of stainless steel wall mounted Grab bar (3' 6" long).	1.0	nr			
2H/29	Supply and installation of stainless steel "L" shape grab bar fixed to wall .(2' 0" long and 2' 6" high).	1.0	nr			
	<u>Builders works</u>					
2H/30	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/31	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.	3.0	nr			
2H/32	Sewer 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/33	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.	4.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
2H/34	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/35	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/36	Supply and install plastishell 2000 Litr. water tank over the concrete toilet roof slab. Approved by the engineer.	1.0	nr			
2H/37	Construction of drain as per detail drawing.	20.0	m			
2H/38	Construction of shoe drain as per detail drawing.	20.0	m			
PLUMBING AND DRAINAGE WORK TOTAL CARRIED TO BILL NO.2						
2J/-	<p><u>ELECTRICAL INSTALLATION</u></p> <p><u>Note</u></p> <p><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.</u></p>					

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>All the quantities given here are approximated values and Quantities may change with the actual installation at the site.</p> <p>All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.</p> <p><u>Point wiring including switches (Luminaries measured separately)</u></p>					
J1	Lamp point wire through a 5Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC +2.5mm ² Cu/PVC earth copper wire in concealed PVC conduits	32.0	nr			
J2	Logo point wire through a 5Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/ PVC/PVC+2.5mm ² Cu/PVC earth wire in concealed PVC conduits	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
J3	Ceiling fan points wire through regulator & 5amp sunk switch, using 2x1Cx1.0mm ² Cu/PVC +2.5mm ² Cu/PVC wire in concealed PVC conduits	2.0	nr			
J4	Supply Install & wire the following 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.(include 13A socket outlet)	8.0	nr			
J5	Yard light points, LP 92 Fuel terminals lights outside of canopy & perimeter wall lights wired with 5A 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	184.0	m			
J6	Supply for signage tower wire from double 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					
	(a) . 20A double pole indicator switch	1.0	nr			
	(b) . For the wiring	52.0	m			
J7	Supply for air tower wire 2CX1x1.5 mm ² CU/PVC/SWA/PVC to a suitable point near air tower	45.0	m			
J8	Air compressor wired through a 20A 4pole isolator switch using 4Cx4mm ² Cu/PVC/PVC insulated copper wire in PVC conduit					
	(a) . 20A 4 pole isolator	1.0	nr			
	(b) . For the wiring	10.0	m			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
J9	Supply, install and Wire 2Cx 1 x 2.5mm ² 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	205.0	m			
J10	<p><u>Supply , install and wire the following Distribution Board (DB1- Building Light & Power)</u></p> <p>TP &N Flush Mounted Distribution Board with metal clad body and door, earth and neutral bars, live bus bars, 3 nos pilot lamps insulated comb busbar and incorporating din rail type, following</p> <p><u>1No 32A 4pole MCB</u></p> <p>1 No 32A 4 Pole Isolator 3No 32A DP MCB'S 3No 40A DP RCCB (30mA) 6 No 6A SP MCB'S 4No 10A SP MCB'S 4No 16A SP MCB'S</p> <p><u>1 No 20A SP MCB</u></p>	1.0	nr			
J11	Supply & Install Manual Changeover Switch Supply & install 32A 4 Pole Manual Changeover switch in a board of Metal Cad body & door	1.0	nr			
J12	Supply & Install MCB Supply & install 32A 4 Pole MCB in a Plastic enclosure	1.0	nr			
J13	<p>Supply , install and wire the following Distribution Board (DB2-Pump Terminals)</p> <p><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, following</u></p> <p>1No 32A 4pole MCB 3 Nos 32A DP MCB, 10KA, Type C <u>6Nos 32A DP RCCB (100mA)</u> 6 Nos 16A DP MCB, Type C</p>	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p><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</p>					
J14	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/-)	12.0	nr			
J15	Supply and installation of sofit/ceiling mount lamp fitting of non-corrode material (Plastic,Aluminium etc)comprising, 18W LED squre type lamp (day light) and all other accessories required	12.0	nr			
J16	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required for toilets,wash room	2.0	nr			
J17	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	5.0	nr			
J18	Supply and installation of weather proof (IP65) bollard type lamp fitting comprising, 12W CFL lamp (day light) and all other accessories required for perimeter wall	5.0	nr			
J19	Supply and installation of Pendant lamp fitting comprising(Explosion proof,IP65/67), 11W CFL lamp (day light) and all other accessories required for LK lamp outside	1.0	nr			

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Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
J20	Supply & installation of Ceiling fan of 56"(1400mm) diameter(European/Japanese make),of metal blades, fan hook,regulator complete with other 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 tyo be submitted before the installtion.	2.0	nr			
J21	Supply, install and Wire Following Earth Electrode provide an earth electrode using 16mm diameter & 1200mm 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	nr			
J22	Supply, install and Earth Electrodes at Fuel Unloading Points provide an earth electrode using 16mm diameter & 1200mm length and earth bar connects to copper earth 2.5mm 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	nr			
J23	Supply , Connect and install the Following Main and Sub Main Cable 1x4Cx10 mm ² CU/PVC/PVC Cable from CEB Meter to 32A MCB, 32A MCB to Manual Changeover switch & Manual Changeover Switch to DB1	15.0	m			
J24	1x4Cx6 mm ² CU/SWA/PVC Cable from DB1 & DB2 in recessed conduit	6.0	m			
J25	1x4Cx10mm ² CU/PVC/PVC cable from Generator to 4 pole change over switch in PVC conduit	5.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09 / 02 - BUILDING WORKS



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
J26	Supply and install yard light pole in 50mm dia. Medium duty G.I. pipe 6m above the ground level to fix the LED street light fitting	5.0	nr			
J27	Supply , Connect and install the Following Earth Cable 1Cx6 mm2 CU/PVC/PVC earth Cable from DB1 to DB2 in recessed conduit	6.0	m			
J28	Inspection & Testing 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						
2K	<u>PAINTING</u>					
2K/01	Prepare surface and apply one coat of approved primer and two coats of emulsion paint of an approved colour and quality to internal wall surface including reveals and eaves ceiling in building	275.0	m ²			
2K/02	Prepare surface and apply one coat of acrylic primer and two coats of weather shiled paint of an approved colour and quality to external wall surface including reveals in building	130.0	m ²			
PAINTING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY						

**BILL OF QUANTITIES
 CEYLON PETROLEUM CORPORATION
 JOB:MODIFICATION OF L.F.S. MARADANA
 B.O.Q. No. 2018 /MA /09 / 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: MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA/09 / 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.	7.50	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)	5.20	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.	6.00	m ²			
	<u>Reinforced cement concrete -1:11/2:3 (20mm aggregate) Grade - 25</u> <u>(Reinforcement measured separately)</u>					
3B/02	300mm thick column footings	2.00	m ³			
3B/03	In column base up to ground level	1.00	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	60.0	kg			
3B/06	16mm tor steel in column	500.0	kg			
3B/07	6mm mild steel in columns	133.0	kg			
	<u>Formwork</u>					
3B/08	To vertical sides of coloumn	47.0	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	13.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C	ZINC ALUMINIUM ROOFING IN CANOPY					
3C/01	Zinc Aluminium Colour bonded AZ - 150 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)	240.0	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 detail drawing No CEYPET / ENG / SK / 0365-A.	72.0	m ²			
3C/03	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	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)	34.0	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.	42.0	m			
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	35.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p><u>STRUCTURAL STEEL AND ROOFING WORK</u></p> <p>Painting of Steel</p> <p>Paint selection specification</p> <p>Anticorrosive Coatings used should be selected as per following Guide lines</p> <p>Corrosivity and environment conditions as per independent Standard ISO 12944</p> <p>The selection of coatings and cleaning process should be based on following criteria to prevent further rusting after the rectifications</p> <p>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</p> <p>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</p> <p>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.</p> <p>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.</p> <p><u>Selection of primer for the full coat</u></p> <p>For the Steel selections covered inside by the canopy following is recommended</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C/07	Supply and fixing 150mm x 75mm (14kg/m) universal beam in canopy roof as shown in drawing. Rate to include paint to detail	78.0	m			
3C/08	-Ditto - 200mm x 133mm (25kg/m) I section universal beam as in detail drawing ---do---	42.0	m			
3C/09	- Ditto - 150mm x 65mm x 2.3mm galvanized lip channel as in detail drawing	275.0	m			
	<u>Fascia of canopy</u>					
3C/10	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.	275.0	m			
3C/11	- Ditto - 25mm x 25mm x 2mm box bar	116.0	m			
3C/12	Supply and fixing 12mm thick 350 x 350mm base plate on top of column	6.0	nr			
3C/13	16mm J bolts embeded on top of coloumn	24.0	nr			
3C/14	Supply , fabricate and fixing 63mm dia Heavy duty GI pipe pump guard as per detail drawing CEYPET/ENG/0060 and as directed	8.0	nr			
3D/-	<u>ELECTRICAL WORK</u>					
3D/01	Supply and install LED strip light water proof (IP65), colour Red around the fascia (approximate length 60m) as per the drawing CEYPET / ENG / SK/ 0365-B. LED strip light shall have minimum 2 years warranty period	2.00	item			
3D/02	Supply and install LED strip light water proof (IP65), colour White around the fascia (approximate length 60m) as per the drawing CEYPET / ENG / SK/ 0365-B. LED strip light shall have minimum 2 years warranty period	2.00	item			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA/09 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3D/03	Supply, fabricate and install double side light box of (Size 1200mmx300mmx450mm). As per detail drawing No CEYPET/ENG/SK/0437 With 18 watt waterproof LED light inside .	4.00	nr			
3D/04	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/ENG/SK/0437.	2.00	nr			
<u>Fabricate, Installation of Logo and Lettering</u>						
3D/05	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	1.00	item			
3D/06	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			
CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-	-	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
<u>BILL NO- 04 - DRIVE WAY & MISCELLANEOUS WORK</u>						
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.	725.0	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 , filling and compacting gravel 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)	385.0	m ³			
4A/04	Supply, spread and compact to approved density graded aggregate base course (A B C) using 37.5mm aggregate .	130.0	m ³			
4A/05	Cutting and Demolishing 150mm thick existing RCC / Tar surface of driveway .	10.0	m ²			
	<u>Turfing</u>					
4A/06	Turfing (Buffalo Grass) as specified	45.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<u>Fuel dispensing pipe lines</u>					
4A/07	Supply and laying 37.5 dia GI heavy duty pipe from underground tank to dispensing pump. Rate to include all bends , sockete 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	80.0	m			
4A/08	- Ditto - vent pipe . Rate to include applying two coats of anticorrosive paint	60.0	m			
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:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p>e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work.</p> <p>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.</p> <p>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.</p> <p>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</p> <p>j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive.</p> <p>k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation.</p> <p>l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication.</p> <p>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.</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	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.					
4B/01	Supply ,fabricate and install of 1200mm x 5500mm double sided pylon signage as per specification and detailed drawing	1.0	nr			
4C/-	<u>Boundry wall</u>					
4C/01	Demolish and remove existing boundry wall with barbed wire fence (Approx length 50 .0 m)	1.00	item			
4C/02	Excavation in foundation for boundary wall in any type of soil except rock requring blasting.	14.00	m ³			
4C/03	3" thick concrete screed under column footings.	23.00	m ²			
4C/04	1:2:4 (20mm) reinforced cement concrete column base (600mm x 600mmx 200mm thick) reinforced with 10mm dia bars 200 mm crs both ways (Rate to include R/F and F/w)	1.50	m ³			
4C/05	1:2:4 (20mm) reinforced cement concrete 150mm x 150mm column from base up to boundry wall top reinforced with 2 nos 10mm dia bars with 6mm M.S. stirrups at 150mm crs (Rate to include R/F and F/w) at 3.0m crs.	1.20	m ³			
4C/06	Rubble masonry work in cement sand mix 1:5 in retaining wall.	18.00	m ³			
4C/07	Weep hole Supply and installing of 110mm dia type 400 uPVC pipes weep holes at 1500mm centers with a 100mm , 50mm and 75mm metal filter as per	35.00	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA / 09 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4C/08	100mm thick Hollow cement block work in cement sand mix 1:5 in walls	70.00	m ²			
4C/09	1:2:4 (20mm) reinforced cement concrete 100mm x 150mm Tie beams on top of boundry wall reinforced with 2 nos 10mm bars with 6mm M.S. stirrups at 150mm crs . Rate to include reinforcement , formwork and prepare coping with 1:5 cement sand plaster as per detail drawing.	45.00	m			
4C/10	5/8" thick cement sand plaster 1:5 to all exposed surface in boundry wall .	180.00	m ²			
4C/11	Prepare surface and apply two coats of master palatte weather shield paint of an approved colour and quality to boundary wall surface .	180.00	m ²			
DRIVE WAY & MISCELLANEOUS WORK TOTAL CARRIED TO MAIN SUMMARY						
				RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA /09 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
5A/	<p>BILL NO- 05- CONSTRUCTION OF SINGLE CANOPY</p> <p>CONSTRUCTION OF SINGLE CANOPY</p> <p><u>Notes</u></p> <p>The rates quoted by the tenderer should include for the followings items.</p> <p>Foundation (02 Nos.):-</p> <p>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.</p> <p>Canopy post (2Nos)</p> <p>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.</p> <p>Roof work</p> <p>c Suppy & Fixing Zinc Aluminium 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. Rate will also include for applying two coats of anticorrosive paint as per the description under 'Painting of Steel' in the Main Canopy BOQ.</p> <p>Fascia</p> <p>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.</p> <p>Ceiling</p> <p>e Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing</p>				
			Note		
			Note		
			Note		
			Note		
			Note		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA /09 / 05 - CONSTRUCTION OF SINGLE CANOPY



Item No	Description	Qty.	Unit	Rate	Amount
f	<p><u>Light fittings</u></p> <p>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.</p>		Note		
g	<p>The rate will include for fabricate, installing single canopy .The proposed locations are given below.</p>		Note		
5A/01	<p>Fabricate, supply & install single canopy as per specification & detail drawing no .CEYPET/ENG/SK/0021</p>	1.0	nr		
5A/02	<p>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</p>	2.0	m		
5A/03	<p>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 (size150x 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.</p>				

BILL OF QUANTITIES**CEYLON PETROLEUM CORPORATION****JOB:MODIFICATION OF L.F.S. MARADANA****B.O.Q. No. 2021/MA /09 / 05 - CONSTRUCTION OF SINGLE CANOPY**

Item No	Description	Qty.	Unit	Rate	Amount
5A/03.1	Pump guard 1800mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	1.0	nr		
5A/03.2	Pump guard 900mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	2.0	nr		
SINGLE CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-	-

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA/09 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
6/-	<p><u>BILL NO- 06 - TANK INSTALLATION OF 04 NOS 3000 GALLON UNDER GROUND TANK</u></p> <p><i>Note:</i> 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.</p> <p>It is contractor's responsibility to clean the inside of the tank after installation.</p> <p>" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG32017</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p> <p>(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</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA/09 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(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>					
6/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	260.0	m ³			
	<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	300.0	m ²			
	<u>Dewatering</u>					
6/03	Allow for dewatering underground water. In any area during the period of construction.	4.0	item			
	<u>Sand filling</u>					
6/04	River sand filling to a height of 3'6" above base concrete slab.	48.0	m ³			
	<u>Excess Earth</u>					
6/05	To transport excavared excess earth away from site to a location by the contractor .	260.0	m ³			
	<u>Hard earth filling</u>					
6/06	Approved selected dry earth filling(above sand filling)spread in layers not exceeding 150mm thick at anytime, watered well rammed & consolidated.	100.0	m ³			
	<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 .	160.00	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA/09 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<u>Concrete work</u>					
6/08	150mm thick 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.	13.20	m ³			
6/09	150mm thick R.C.C 1:1 1/2:3(20mm)in tank concrete base slab reinforced with 10mm dia . Tor bars at 225mm centers both ways .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	13.20	m ³			
6/10	100mm thick R.C.C 1:1 1/2:3(20)in tank concrete walls reinforced with 3/8 "dia . Tor bars at 8" centers both ways.(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	21.20	m ³			
	<u>Form work</u>					
6/11	Form work to sides of walls ,cover slabs,edges for tank pit .	440.0	m ²			
	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>					
6/12	Supplying fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	2920.0	Kg			
6/13	<u>BRC Mesh</u> BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)	80.0	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 .					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA/09 / 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<p>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.)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>					
6/14.	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	4.0	nr			
6/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	4.0	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 (traps and bolts etc.) CPC , standered as shown in drawing . Rate to incldes tank transport and all handling charges.	4.0	nr			
3000IG TANK TOTAL CARRIED TO MAIN SUMMARY						

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
7/-	<p><u>BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON UNDER GROUND TANK</u></p> <p><u>Note</u></p> <p>a)5000 gl. new tank will be supplied by Ceylon Petroleum Corporation at no cost to the contractor.</p> <p>(b). "Drawing" in this BOQ refer to drawing No CEYPET/ENG/0511</p> <p>(c) It is contractor's responsibility to clean the inside of the tank after installation.</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p> <p>(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</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(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.	92.0	m3			
	<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	m2			
	<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 con	17.0	m3			
	<u>Excess Earth</u>					
7/05	To transport excavared excess earth away from site to a location by the contractor .	92.0	m3			
	<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	m3			
	<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	m2			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<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 200mm centers both ways .(Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	4.00	m3			
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	100mm R.C.C 1:1 1/2:3(20)in tank concrete walls reinforced with 10mm dia . Tor bars two layers (Top and bottom) at 200mm centers both ways . (Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	6.50	m3			
	<u>Form work</u>					
7/11	Form work to sides of walls ,cover slabs,edges for tank pit .	140.00	m2			
	<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	1100.0	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			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021 /MA /09 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<p><u>Under Ground Fuel Tank Manhole</u></p> <p>Note-:</p> <p>Water proofing should be done according to the following specifications.</p> <p>a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant</p> <p>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.)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>					
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 1:1 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	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	Item			
7/16	Installation of 5000 Gallon under ground fuel tank with necessary accessories (traps and bolts etc.) as shown in drawing . Rate to incldes tank transport from CPC yard Sapugaskanda to LFS Maradana and all handling charges.	1.0	nr			
	TOTAL FOR ONE TANK			RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. MARADANA

B.O.Q. No. 2021/MA /09



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
BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON	Rs

SUB TOTAL 01 **Rs**

LESS PROVISIONAL SUM **Rs**

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**

SUB TOTAL 05 **Rs**

ADD (.....NBT) **Rs**

SUB TOTAL 06 **Rs**

ADD (.....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:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS

B.O.Q. No. 2026 /ELP /11/ 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 dramage 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		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11/ 01 - PRELIMINARIES

ITEM REF.		QTY.	UNIT	UNIT RATE	TOTAL PRICE RUPEES
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		
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: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2A	BILL NO- 02 - BUILDING WORKS <u>DEMOLITION AND CLEARING</u> Note 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 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 , Pump guard , single canopy , pipe lines, 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 14.2m x 9.0 m x 5.0 m height) , water tank (Approx. 1 . 7 m x 1 . 7 m x 3 . 5 m height) , Store room (2.4 m x 4.2 x 2.7 height) and other existing structures from the site.	1.0	item		
2A/02	Demolishing and removing of existing steel canopy (Approx. size 1/4.5m x 1.2 m , 1/4.5m x 2.4m , 1/6.8m x 2.2m) and other existing structures from the site.	1.0	Item		
2A/03	Demolishing and removing existing septic tank and soakage pit (Approx. size 3000mm x 1800mm x 2400m and 1200mm dia 2400mmdeep) and back fill with imported soil in layers not exceeding 150mm and compaction to the approval of Engineer including removal	1.0	item		
2A/04	Dismantling pipe lines and supply & filling Quarry dust into the underground existing tank (01 No 2000gl under ground tank burrying underground) .	11.0	m ³		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2A/05	Demolishing, removing and transporting the existing 150mm*150mm I5m long steel ' I ' beam (hoist) , 1 No of 9m long 225mm*75mm ' I ' beam, and 9 nos of 14m long 75mm*75mm steel (angle iron) from the site to the Regional Manager's Quarters at Udaeriyagama, Peradeniya. The rate to include all handling charges.The rate also to include back filling the area after removing hoist with imported soil and to compact to approval.				
DEMOLITION AND CLEARING TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	
2B	EXCAVATION AND EARTH WORK				
	Note Contractor to 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		Note		
2B/01	Excavation for wall foundation depth not exceeding 1.0m from finished ground level.	27.5	m ³		
2B/02	- Ditto - In Columns	5.5	m ³		
2B/03	Earth filling under floors with selected excavated earth at site in 150mm thick layers well rammed and consolidated.	8.0	m ³		
2B/04	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated	16.0	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)	105.0	m ²		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2B/06	Dealing with water Allow for dewatering underground water. In any area during the period of construction.	1.0	item		
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.	98.0	m ²		
EXCAVATION AND EARTH WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	-
C	<u>CONCRETE WORK</u>				-
	<u>Plain Concrete -1:3:6 (25mm aggregate) -</u>				-
2C/01	50mm thick concrete screed under column and trench footings.	40.0	m ²		
2C/02	75mm thick concrete in all floor area including pavement.	95.0	m ²		
	<u>Reinforced cement concrete -1 : 1 1/2 : 3 (20mm aggregate) - Grade - 25 (Reinforcement measured separately)</u>				
2C/03	300mm thick column footing	1.00	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 canopy 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)	3.50	m ³		
2C/07	In water tank beams	0.5	m ³		
2C/08	In 125mm thick water tank slab	12.0	m ²		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
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 .	65.0	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.	62.0	m ²		
	<u>Reinforcement</u>				
2C/11	12mm tor steel in column footing	60.0	Kg		
2C/12	20mm tor steel in column	175.0	Kg		
2C/13	12mm tor steel in Plinth beam	260.0	Kg		
2C/14	12mm tor steel in water tank column	70.0	Kg		
2C/15	6mm mild steel in columns	58.0	Kg		
2C/16	-Ditto - Plinth beam	100.0	Kg		
2C/17	- Ditto - water tank beam	40.0	Kg		
2C/18	10mm water tank slab	80.0	Kg		
	<u>Sawn form work</u>				
2C/19	To sides of plinth beam	30.0	m ²		
2C/20	To vertical sides of coloumn	35.0	m ²		
2C/21	To water tank slab and beam .	21.0	m ²		
CONCRETE WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2D	<u>RUBBLE AND BRICK WORK</u>				
	<u>Rubble work</u>				
2D/01	Rubble masonry in cement sand mix 1:5 in trench foundation	24.0	m ³		
	<u>Brick work</u>				
2D/02	225mm thick brick work in cement sand mix 1:5 in walls	175.0	m ²		
RUBBLE AND BRICK WORK TOTAL CARRIED TO BILL NO.2				Rs	
SUMMARY					
2E	<u>ALUMINIUM DOORS AND WINDOWS</u>				
	All Aluminium Doors and Windows extrusions shall be powder coated and of approved colour (white colour) , Total thickness of 60 - 80 microns.				
2E/01	Door type "D" overall size 1200mm x 2700mm high Aluminium framed glazed 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.	3.30	m ²		
2E/02	Door type "D1" overall size 1050mm x 2700mm high Aluminum frame double side rotate glazed paneled 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)	2.90	m ²		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2E/03	Door type "D2" overall size 900mm x 2700mm high Aluminum frame glazed door with louvered above , 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)	4.90	m ²		
2E/04	Door type "D3" overall size 750mm x 2700mm high Aluminum frame aluminium glazed door with louvered above , 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)	2.10	m ²		
2E/05	Door type "LD" overall size 1500mm x 2700mm Aluminum framed louvered door , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 no)	4.10	m ²		
2E/06	Window type "W" overall size 1800mm x 1500mm Aluminum framed fixed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (04 No)	11.00	m ²		
2E/07	Window type "SW" overall size 1200mm x 1500mm 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)	1.80	m ²		
2E/08	Window type " FG" overall size 4200mm x 2250mm 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)	9.50	m ²		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2E/09	Window type "FG1" overall size 1600mm x 2700mm Aluminum framed glazed window with louvered above , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (01 No)	4.50	m ²		
2E/10	Window type "LW" overall size 1200mm x 1800mm Aluminum framed louvered window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. (02 No)	2.20	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. (04No)	2.20	m ²		
ALUMINIUM DOORS AND WINDOWS TOTAL CARRIED TO BILL NO.2 SUMMARY				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 .	85.0	m ²		
2F/02	<u>Steel frame work</u> Supply and fixing 150mm x 65mm x 2mm G I Lip channel fixing on brick wall with rag bolts in 1:2:4(20mm) 225 x 225 x 200mm concrete pad .	42.0	m		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2F/03	Supply and fixing 50mm x 50mm x 1.6mm G.I. " box" purlin fixing on steel rafters.	105.0	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.	56.0	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 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.	27.0	m ²		
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)	21.0	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.	20.0	m		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRIS



B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
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.	40.0	m		
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.	12.5	m ²		
2F10	Supply fabricate and installing of poly carbonate canopy with steel frame work as per detail drawing (approximate length 5.5m)	1.0	item		
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)	85.0	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)	10.0	m ²		
2G/03	Supply and laying of Homogeneous non slip tiles (600mm x 600mm) on tile adhesives of approved quality and design to sales room . 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 . Tile skirting (100mm high) shall not be measured separately for payment and the rate shall include the cost of tile skirting (Prime cost of a Tile Rs 2200.00 per Tile).	45.0	m ²		

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Item	Description	Qty.	Unit	Rate	Amount
2G/04	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)	35.0	m ²		
2G/05	15mm thick cement lime sand plaster 1:5 to internal surfaces of walls and columns finished smooth with wall putty.	180.0	m ²		
2G/06	-Ditto - Preparing reveals not exceeding 300mm wide	120.0	m		
2G/07	15mm thick cement lime sand plaster 1:5 to external surfaces of walls and columns finished semi rough with wooden float.	145.0	m ²		
2G/08	20mm thick cement rendering 1:3 to floor of AC/ Genarator room floor and pavement finished smooth with coloured cement slurry.	32.0	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 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		

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Item	Description	Qty.	Unit	Rate	Amount
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.	10.0	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 svstem.	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>				
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		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
	<p><u>Sanitary Fittings and toilet accessories</u></p> <p><u>Note</u></p> <p>(a) Contractor to purches 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.</p> <p>(b) All taps and accessories to be Thailand or Malaysian equivalant make</p> <p>(c) All sanitary fittings to be following or equivalent American standard , Rocell or Cotto.</p> <p>(d) All connections to appliances shall be through 20mm diameter cromium plated angle valve and connected to fittings with 20mm diameter cromium plated flexible pipe (Thailand or Malaysian equivalant make) approved by Engineer.</p>				
2H/09	Supply and installation pedestal type ceramic wash basin (white)22" x 15 " overall size with 20mm dia cromium plated piller tap and other necessary accessaries 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 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/11	Supply and Installation of Cromium plated 20mm dia bib tap .(Prime cost of bib tap -Rs 5000 /= per No)	2.0	nr		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2H/12	Supply and installation of bidet shower.(Prime cost of bidet shower with fittings - Rs 7500 /= 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 7500 /= 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 - Rs6000 /= 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		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
	<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		
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, 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		

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Item	Description	Qty.	Unit	Rate	Amount
2H/29	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/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	1.0	nr		
2H/32	Supply and install plastishell 2000 Litre water tank over the concrete toilet roof slab. Approved by the engineer.	1.0	nr		
PLUMBING AND DRAINAGE WORK TOTAL CARRIED TO BILL				Rs	
NO.2 SUMMARY					

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Item	Description	Qty.	Unit	Rate	Amount
2J/-	<p>ELECTRICAL INSTALLATION</p> <p>Note</p> <p>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</p> <p>work shall be done in accordance with specifications of Electrical and Mechanical works CIDA Publication No. SCA/08 (2nd Edition Revised in August 2000)</p> <p>The Whole wiring shall be done according to IET Wiring regulation BS 7671 18th Edition/CEB wiring regulations</p> <p>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</p> <p>PVC insulated and PVC sheathed cables for voltage up to and including 300/500V for power & lighting shall comply with SLS 733:20216</p> <p>All distribution boards shall be incorporated with Orange, Hager, Siemens, Clipsal, ACL make MCBs and Cabtree, Hager, Siemens, ACL, Orange, Clipsal make RCCBs</p> <p>All MCBs, RCCBs shall come with minimum of 10 years of warranty period.</p> <p>All light fittings shall have minimum of 2 years warranty period and the LED bulbs shall have minimum of 2 years warranty period</p> <p>Point wiring including switches (Luminaries measured separately)</p>				

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2/J01	Lamp point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/PVC/PVC+2.5mm ² CU/PVC cable in concealed PVC conduits	31.00	nr		
2/J02	Logo point wire through a 10Amp. Sunk Switch using 2x1Cx 1.0mm ² Cu/PVC/PVC+2.5mm ² CU/PVC Cable in concealed PVC conduits	1.00	nr		
2/J03	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	3.00	nr		
<u>Supply Install & wire the following</u>					
2/J04	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	2.00	nr		
2/J05	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		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2/J06	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				
	(a) . 20A double pole indicator switch	3.00	nr		
	(b) . For the wiring	42.00	m		
2/J07	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	35.00	m		
2/J08	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 concreteDitto -				
	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.00	nr		
	(b) . For the wiring	30.00	m		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2/J09	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+20A 2 Pole RCCB 100mA (b) . For the wiring	1.00 5.00	nr m		
2/J10	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 (a) . 10A one gang one way switch with weather proof cover (IP65) (b) . For the wiring	1.00 17.00	nr m		
2/J11	Supply for D/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 (a) . 10A one gang one way switch with weather proof cover (IP65) (b) . For the wiring	1.00 19.00	nr m		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2/J12	Supply for D/LAD Pump light bulb wire 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				
	(a) . 10A one gang one way switch with weather proof cover (IP65)	1.00	nr		
	(b) . For the wiring	48.00	m		
	<u>Supply, install and connect for fuel pump terminals</u>				
2/J13	2Cx 1 x 2.5mm ² 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	115.00	m		
	<u>Supply , install and wire the following Distribution Board (DB1)(Light & Power for Canopy & Building)</u>				
2/J14	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, 3Phase+Neutral In 20kA/I max 40kA Surge Protector Device (SPD) 1No 40A 4pole MCB 1No 32A 4pole Isolator 1No 32A 4pole MCB 1No 20A 2pole MCB, 10KA, Type C 4No 32A DP MCB'S				

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Item	Description	Qty.	Unit	Rate	Amount
2/J15	<p>3No 40A DP RCCB (30mA) 5 No 6A SP MCB'S 3No 10A SP MCB'S 3No 16A SP MCB'S</p> <p><u>Supply , install and wire the following Distribution Board (DB2)-Fuel Terminal Pumps</u></p> <p>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 1No 32A 4pole MCB 3 Nos 32A DP MCB, 10KA, Type C 3Nos 32A DP RCCB (100mA) 6 Nos 16A DP MCB Type C</p>	1.00	nr		
2/J16	<p><u>Supply , install and wire the following Distribution Board (DB3)-Agro Chemical sales outlet</u></p> <p>SP &N Flush Mounted Polycarbonate Distribution Board with transparent door, earth and neutral bars, live bus bars, and incorporating din rail type, 1No 32A DP MCB'S 1No 40A DP RCCB (30mA) 2 No 6A SP MCB'S 1No 16A SP MCB'S 1 No LED indicator light MCB 1Pole</p>	1.00	nr		
2/J17	<p><u>Supply , install Manual Changeover switch</u></p> <p>1No 40A 4Pole Manual Changeover Switch with Handle (Enclosure to be included)</p> <p><u>Light Fittings</u></p>	1.00	nr		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	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				
2/J18	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		
2/J19	Down light fitting complete with 15W LED lamp and other accessories for the wash rooms	2.00	nr		
2/J20	Supply and installation of sofit/ceiling mount lamp fitting comprising, 18W LED lamp (day light) and all other accessories required. (SQUIRE TYPE)	11.00	nr		
2/J21	Street light fittings(IP65) with 100W LED bulb & arm with other required accessories	3.00	nr		
2/J22	Weather proof wall bracket lamp fitting with 12W LED daylight bulb	6.00	nr		
2/J23	Weather Proof pendant lamp fitting with 16W LED daylight bulb for LK/LAD/LP92 pump terminal	3.00	nr		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2/J24	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 tyo be submitted before the installtion.	3.00	nr		
	<u>Supply, install and Wire Following Earth Electrode</u>				
2/J25	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	nr		
	<u>Supply and install the Following Main and Sub Main Cable</u>				
2/J26	1x4Cx10 mm ² CU/PVC/PVC Cable from CEB Meter to Manual Change Over, Manual Chaneover to DB1 in concealed PVC conduit	15.00	m		
2/J27	1x4Cx6mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from DB1 to DB2 in PVC conduit	10.00	m		
2/J28	1x2Cx6mm ² CU/PVC /PVC cable & 1 x 6mm ² copper earth cable from DB1 to DB3 in burried GI conduit in the soil at least 150mm	10.00	m		
2/J29	1x4Cx10mm ² CU/PVC/PVC cable from Generator to 4 pole change over switch in PVC conduit	15.00	m		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
2/J30	<u>Supply, install Yard light pole</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	3.00	nr		
2/J31	<u>Exhaust Fans-Agro Chemical sales outlet</u> Supply and install exhaust fan of the following specifications. Power supply shall be given via a 13A plug top. Rated voltage 220-240V, 50 Hz Wattage 35W, RPM 1200 Air Delivery 12 m ³ /min Size 10 inch (diamter of the blade) Cover & blades-Plastic Warranty-Minimum of 1 year	2.00	nr		
2/J32	<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 emulsion paint of an approved colour and quality to internal wall surface including reveals in building	180.0	m ²		
2K/02	Prepare surface and apply one coat of approved primer and two coats of weather shiled paint of an approved colour and quality to external wall surface including reveals in building	145.0	m ²		

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B.O.Q. No. 2026 /ELP /11 / 02 - BUILDING WORKS

Item	Description	Qty.	Unit	Rate	Amount
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.	15.0	m ²		
2K/04	Moulding around windows and painting	1.0	PS	500,000.00	500,000.00
PAINTING WORK TOTAL CARRIED TO BILL NO.2 SUMMARY				Rs	

BILL OF QUANTITIES**CEYLON PETROLEUM CORPORATION****JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)****B.O.Q. No. 2026/ELP/11 / 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	INSPECTION & TESTING	
2K	PAINTING	
TOTAL CARRIED TO MAIN SUMMARY		Rs.

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CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026 /ELP/11 / 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.	7.00	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)	6.00	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.	6.00	m ²			
	<u>Reinforced cement concrete -1:11/2:3 (20mm aggregate)- Grade - 25</u>					
	(Reinforcement measured separately)					
3B/02	300mm thick column footings	2.00	m ³			
3B/03	In column base up to ground level	1.00	m ³			
3B/04	- Ditto - In column ground up to roof level	3.00	m ³			
	<u>Reinforcement</u>					
3B/05	12mm tor steel in column footing	60.0	kg			
3B/06	16mm tor steel in column	500.0	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			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026 /ELP/11 / 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	10.0	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)	130.0	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-B.	50.0	m ²			
3C/03	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	55.0	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)	15.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026 /ELP/11 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
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.	14.0	m			
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	30.0	m ²			
STRUCTURAL STEEL AND ROOFING WORK						
Painting of Steel						
One coat of Anticorrosive paint and two coats of enamel paint on cleaned steel surfaces to be applied						
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.						
3C/07	Supply and fixing 150mm x 89mm (14kg/m) universal beam in canopy roof as shown in drawing. Rate to include paint to detail	56.0	m			
3C/08	-Ditto - 200mm x 133mm (25kg/m) I section universal beam as in detailed drawing ---do---	28.0	m			
3C/09	- Ditto - 150mm x 65mm x 2.3mm galvanized lip channel with sag correction rods as in detailed drawing	120.0	m			
3C/10	Fascia of canopy 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.	240.0	m			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026 /ELP/11 / 03 - CONSTRUCTION OF CANOPY



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
3C/11	Supply and fixing 16mm thick 350 x 350mm base plate on top of column	6.0	nr			
3C/12	16mm J bolts embedded on top of coloumn	48.0	nr			
3C/13	Supply , fabricate and fixing 63mm dia Heavy duty GI pipe pump guard as per detail drawing CEYPET/ENG/ 0060 and as directed	4.0	nr			
3D/-	<u>ELECTRICAL WORK</u>					
3D/01	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-B. LED strip light shall have minimum 2 years warranty period	2.00	item			
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 , 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	1.00	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	1.00	item			
CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP / 11 / 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.	700.0	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.	30.0	m			
4A/03	Supply, spread and compact to approved density graded aggregate base course (A B C) using 37.5mm aggregate .	50.0	m ³			
4A/04	Cutting and Demolishing 150mm thick existing RCC / Tar surface of driveway .	70.0	m ²			
4A/05	<u>Turfing</u> Turfing (Buffalo Grass) as specified	30.0	m ²			
4A/06	Prepare surface and apply one coat of primer and two coats of weather shiled paint of an approved colour and quality to boundry wall surfaces	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 .					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP / 11 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p>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.)</p> <p>(c). Water proofing to be given to reputed agent with 5 years guarantee .</p>					
4A/07	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	3.0	nr			
	<u>Fuel dispensing pipe lines</u>					
4A/08	Supply and laying 40mm (1 1/2") dia GI heavy duty pipe from underground tank to dispensing pump. Rate to include all bends , socket 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	90.0	m			
4A/09	- Ditto - vent pipe . Rate to include applying two coats of enamel paint	100.0	m			
4A/10	Supply and fixing of Tank top valve to connect pipeline as approved by the Engineer.	7.0	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP / 11 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
4A/11	Supply and laying 75mm dia (3") GI heavy duty unloading pipe . Rate to include all accessories / fittings as approved by the Engineer	65.0	m			
4B/-	<u>FABRICATION AND INSTALLATION OF PYLON SIGNAGE</u>					
	<p>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.</p> <p>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.</p> <p>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.</p> <p><u>The entire steel frame structure to be hot dipped galvanized.</u></p> <p>d). No drilling or welding to be carried out after galvanizing process is completed.</p> <p>e). The entire signage fascia shall be colour bonded sheets of 0.47 mm thick AZ 150 sheets riveted to steel frame work.</p> <p>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.</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP / 11 / 04 - DRIVE WAY & MISCELLANEOUS WORK



Item	Description	Qty.	Unit	Rate	Amount	
					Rs.	Cts.
	<p>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.</p> <p>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</p> <p>j). The sticker colour should match with "POST OFFICE RED" colour, translucent cast vinyl film, clear pressure sensitive adhesive.</p> <p>k). The number of modules will change from site to site with wordings. The format will be informed by the client after confirmation.</p> <p>l). Whole art work should be done by the contractor and the approval should be obtained from the CPC prior to fabrication.</p> <p>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.</p> <p>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.</p>					
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-	-

BILL OF QUANTITIES



CEYLON PETROLEUM CORPORATION

JOB - MODIFICATION OF L F S KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP /11 / 05 - CONSTRUCTION OF SINGLE CANOPY

Item No	Description	Qty.	Unit	Rate	Amount
5A/	<p>BILL NO- 05- CONSTRUCTION OF SINGLE CANOPY</p> <p>CONSTRUCTION OF SINGLE CANOPY</p> <p><u>Notes</u></p> <p>The rates quoted by the tenderer should include for the followings items.</p> <p><u>Foundation (02 Nos.):-</u></p> <p>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.</p> <p><u>Canopy post (2Nos)</u></p> <p>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.</p> <p><u>Roof work</u></p> <p>c Suppy & Fixing Zinc Aluminium 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></p> <p><u>Fascia</u></p> <p>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.</p> <p><u>Ceiling</u></p> <p>e Supply & fixing colour bonded Zinc Aluminium sheet ceiling with all necessary Aluminium accessories as per details given in drawing</p>				
			Note		
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			Note		

BILL OF QUANTITIES



CEYLON PETROLEUM CORPORATION

JOB - MODIFICATION OF L F S KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP /11 / 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	3.0	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	7.5	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.				

BILL OF QUANTITIES**CEYLON PETROLEUM CORPORATION****JOB - MODIFICATION OF L F S KANDY (ELLEPOLA ENTERPRISES)****B.O.Q. No. 2026/ELP /11 / 05 - CONSTRUCTION OF SINGLE CANOPY**

Item No	Description	Qty.	Unit	Rate	Amount
5A/03.1	Pump guard 1800mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	5.0	nr		
5A/03.2	Pump guard 900mm X 900mm as per detail Drg.No. CEYPET/ENG/SK/0060	6.0	nr		
SINGLE CANOPY TOTAL CARRIED TO MAIN SUMMARY				RS-	

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP/11/ 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
6/-	<p><u>BILL NO- 06 - TANK INSTALLATION OF 02 NO 3000 GALLON UNDER GROUND TANK</u></p> <p><i>Note:</i> 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.</p> <p>It is contractor's responsibility to clean the inside of the tank after installation.</p> <p>" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG32017</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p>					

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP/11/ 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(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>					
6/01	Excavation in tank pit in any type of soil except rock requiring blasting to dimension shown in drawing.	130.0	m ³			
	<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	150.0	m ²			
	<u>Dewatering</u>					
6/03	Allow for dewatering underground water. In any area during the period of construction.	2.0	item			
	<u>Sand filling</u>					
6/04	River sand filling to a height of 3'6" above base concrete slab.	24.0	m ³			
	<u>Excess Earth</u>					
6/05	To transport excavared excess earth away from site to a location by the contractor .	130.0	m ³			
	<u>Hard earth filling</u>					
6/06	Approved selected dry earth filling(above sand filling)spread in layers not exceeding 150mm thick at anytime, watered well rammed & consolidated.	50.0	m ³			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP/11/ 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<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 .	80.00	m ²			
	<u>Concrete work</u>					
6/08	150mm thick 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.	6.60	m ³			
6/09	150mm thick R.C.C 1:1 1/2:3(20mm)in tank concrete base slab reinforced with 10mm dia . Tor bars at 225mm centers both ways .(Reinforcement measured separately) . Rate to include for waterproofing admixtures as approved by Engineer.	6.60	m ³			
6/10	100mm thick R.C.C 1:1 1/2:3(20)in tank concrete walls reinforced with 3/8 "dia . Tor bars at 8" centers both ways.(Reinforcement measured separately) . Rate to include for waterproofing admixtures as approved by Engineer.	10.60	m ³			
	<u>Form work</u>					
6/11	Form work to sides of walls ,cover slabs,edges for tank pit .	220.0	m ²			
	<u>REINFORCEMENT AND MISCELLANEOUS WORK</u>					
6/12	Supply, fixing or laying 10mm tor bars in R.C.C base slab ,walls and top slab	1460.0	Kg			
6/13	<u>BRC Mesh</u> BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)	40.0	m ²			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP/11/ 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	<p><u>Under Ground Fuel Tank Manhole</u></p> <p><u>Note:-</u> <u>Water proofing should be done according to the following specifications.</u></p> <p>a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant .</p> <p>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.)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>					
6/14.	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 1:1 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	4.0	nr			
6/15	Scrap wire brush , clean and apply two coats of hot tar to all external surfaces of tank prior to installation.	2.0	nr			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP/11/ 06 - TANK INSTALLATION OF 3000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
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 (traps and bolts etc.) CPC , standered as shown in drawing no CEYPET / ENG/ UG32017. Rate to incldes tank transport and all handling charges.	2.0	nr			
	TOTAL FOR TWO (02) TANKS			RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026 /ELP /11 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount Rs. Cts.
7/-	<p><u>BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON UNDER GROUND TANK</u></p> <p><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.</p> <p>It is contractor's responsibility to clean the inside of the tank after installation.</p> <p>" Drawing " in this BOQ refer to drawing No CEYPET/ENG/0511.and CEYPET/ENG/UG52017</p> <p><u>Construction sequence for underground tank installation</u></p> <p>(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.</p> <p>(2)Excavation for tank pit</p> <p>(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.</p> <p>(4) Outer wall concrete with approved water proofing admixture</p> <p>(5) concrete curing for 21 days.</p>				

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026 /ELP /11 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
	(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.	92.0	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 bas	17.0	m ³			
	<u>Excess Earth</u>					
7/05	To transport excavared excess earth away from site to a location by the contractor .	92.0	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			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026 /ELP /11 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
7/07	<u>Polythene</u> 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			
7/08	<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 .(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	m ³			
7/10	100mm R.C.C 1:1 1/2:3(20)in tank concrete walls reinforced with 10mm dia . Tor bars two layers (Top and bottom) at 200mm centers both ways . (Reinforcement measured separately). Rate to include for waterproofing admixtures as approved by Engineer.	6.50	m ³			
7/11	<u>Form work</u> Form work to sides of walls ,cover slabs,edges for tank pit .	140.00	m ²			
	<u>REINFORCEMENT</u> <u>AND</u> <u>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			

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026 /ELP /11 / 07- TANK INSTALLATION OF 5000 GALLON TANK.



Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
7/13	<p><u>BRC Mesh</u> BRC Mesh Type A142 of BS 4483 specification for reinforcement in tank top concrete (One layer)</p> <p><u>Under Ground Fuel Tank Manhole</u> Note:- Water proofing should be done according to the following specifications.</p> <p>a)All steel pipe joints ,crossing brick work /concrete in manhole should be encased by elastomeric joint sealant</p> <p>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.)</p> <p>(c)Water proofing to be given to reputed agent with 5 years guarantee .</p>	26.0	m ²			
7/14	<p>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</p>	2.0	nr			

BILL OF QUANTITIES**CEYLON PETROLEUM CORPORATION****JOB:MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)****B.O.Q. No. 2026 /ELP /11 / 07- TANK INSTALLATION OF 5000 GALLON TANK.**

Item	Description	Qty	Unt	Rate	Amount	
					Rs.	Cts.
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	Supply , Fabricate , transport and Installation of 5000 Gallon under ground fuel tank (as per the CPC Standard and attached specification) with necessary accessories (traps and bolts etc.) CPC , standered as shown in drawing no CEYPET / ENG/UG52017. Rate to incldes tank transport and	1.0	nr			
	TOTAL FOR ONE TANK			RS-		

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB: MODIFICATION OF L.F.S. KANDY (ELLEPOLA ENTERPRISES)

B.O.Q. No. 2026/ELP /11

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 02 NO 3000 GALLON	Rs
BILL NO- 07 - TANK INSTALLATION OF 01 NO 5000 GALLON	Rs

SUB TOTAL 01 **Rs**

LESS PROVISIONAL SUM **Rs**

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**

SUB TOTAL 05 **Rs**

ADD (.....SSCL) **Rs**

SUB TOTAL 06 **Rs**

ADD (.....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
7 NO'S LANKA FILLING STATIONS AT ISLAND WIDE
CEYLON PETROLEUM CORPORATION**

GRAND SUMMARY

1	LANKA FILLIG STATION (WDC) GALLE .	Rs	
2	LANKA FILLIG STATION YATIYANTHOTA.	Rs	
3	LANKA FILLIG STATION MATHUGAMA. (MPCS)	Rs	
4	LANKA FILLIG STATION BATICALOA	Rs	
5	LANKA FILLIG STATION MALLAKAM.	Rs	
6	LANKA FILLIG STATION MARADANA.	Rs	
7	LANKA FILLIG STATION ELLEPOLA . (KANDY)	Rs	
	SUB TOTAL 01	Rs.	<hr/>
8	TOTAL CARRIED TO FORM OF TENDER.	Rs.	<hr/>
	SUB TOTAL 02	Rs.	<hr/>
9	ADD (2.5% SSCL)	Rs.	
	SUB TOTAL 03	Rs.	<hr/>
10	ADD (18% VAT)	Rs.	
	TOTAL WITH TAXES	Rs.	<hr/>

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 <i>(to be filled by the Bidder)</i>	Remarks
4.1 (a)	Legal Status		<i>Provide certified copies of Registration</i>
	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>	
	If a Joint Venture, names and addresses of Joint Venture Partners	1. 2. 3.	<i>Provide a draft copy of the Joint Venture Agreement or alternatively the memorandum of understanding</i>
	If a Joint Venture, name of Lead Partner		
<i>For joint ventures, each joint venture partner shall furnish Legal Status separately</i>			
	Name (Lead partner)		<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 5.1</i>	
	VAT Registration Number		
	Name (Partner 2)		<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		
	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) *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	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

If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application

Source of credit line	Amount	Remarks
		<i>Provide documentary evidence and label as attachment to Clause 4.2</i>
Total		

Schedule 6 – Construction Management Staff

A. Key Professionals

Name	Position	Task

B. Support Staff

Name	Position	Task

Drawings

1. LFS Galle – Ceypet/eng/0565
2. LFS Yatiyanthota - Ceypet/eng/0647
3. LFS Mathugama - Ceypet/eng/0612
4. LFS Batticaloa - Ceypet/eng/0648
5. LFS Mallakkam - Ceypet/eng/0605
6. LFS Maradana - Ceypet/eng/0608, Ceypet/eng/0608 A, Ceypet/eng/06048
7. LFS Kandy - Ceypet/eng/0646

Other drawings

1. CEYPET/ENG/SK/0365-B
2. CEYPET/ENG/SK/0060
3. CEYPET/ENG/SK/0032
4. CEYPET/ENG/SK/0365-B
5. CEYPET/ENG/SK/0437
6. CEYPET/ENG/SK/0050
7. CEYPET/ENG/SK/0059(1525)
8. CEYPET/ENG/SK/0439
9. CEYPET/ENG/SK/0365-B
10. CEYPET/ENG/SK/0044
11. CEYPET/ENG/UG32017
12. CEYPET/ENG/UG32017
13. CEYPET/ENG/UG52017
14. CEYPET/ENG/UG0511
15. CEYPET/ENG/UG32017
16. CEYPET/ENG/UG52017
17. CEYPET/ENG/0511
18. CEYPET/ENG/SK/0021-A
19. 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: -----
[insert (by PE) name and address of Employer]

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 -----