



**CEYLON PETROLEUM CORPORATION**

**BIDDING DOCUMENT**

**FOR**

**PROPOSED REPAIR WORKS AND ACCESS ROAD PAVING AT  
CHINA BAY CIRCUIT BUNGALOW**

**B/28/2026**

**2026**

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**The Standard Bidding Document that is applicable for this Contract is the Standard Bidding Document Procurement of Works Minor Contracts with the ICTAD Publication No. ICTAD/SBD/03, January 2007 published by the Institute for Construction Training and Development [ICTAD], “Savsiripaya”, 123, Wijerama Mawatha, Colombo 07.**

**This Publication will not be issued with the Bidding Document and Bidder is advised to Purchase it from ICTAD/CIDA.**

# VOLUME 1

Volume I of this Bidding Document consists of following Sections;

- Section 1 – Instructions to Bidders
- Section 2 – Standard Forms (Contract)
- Section 3 – Conditions of Contract

These Sections shall not be issued along with the Bidding Document. The Bidders are requested to refer to the Standard Bidding Document, Procurement of Works, Minor Contracts with the Publication No: ICTAD/SBD/03.

# VOLUME 2

Volume 2 of this Bidding Document consists of following Sections;

- Invitations for Bids
- Section 4 - Form of Bid and Qualification Information
- Section 5 - Schedule
- Section 6 - Specifications
- Section 7 - Bills of Quantities
- Section 8 - Drawings
- Section 9 - Standard Forms (Bid)

# **INVITATION FOR BIDS (IFB)**

**INVITATION FOR BIDS**  
**Ceylon Petroleum Corporation**  
**(Ministry of Energy)**

**B/28/2026**

**Proposed Repair Works and Access Road Paving at China Bay Circuit Bungalow**

1. The Chairman, **Departmental Procurement Committee (DPC)** on behalf of the **Ceylon Petroleum Corporation** invites sealed bids from eligible and qualified bidders for **Proposed Repair Works and Access Road Paving at China Bay Circuit Bungalow**.
2. The period of construction of this work is **03 months**.
3. To be eligible for contract award, the successful bidder shall have not been blacklisted and shall meet the **CIDA Registration C7 or above**.
4. Qualification requirements to qualify for contract award include: **Bidders applied for this tender should have CIDA Registration C7 or above**.
5. Bidding Documents may be obtained on working days between **0900 hrs and 1500 hrs, up to 04.06.2026**, from the office of the Manager (Procurement & Stores), Ceylon Petroleum Corporation, 1st Floor, No. 609, Dr. Danister De Silva Mawatha, Colombo 09, upon submission of a written request and payment of a non-refundable fee of Rs. 2,000.00 (Rs. 1,653.58 + 2.5% SSCL + 18% VAT) per set. Alternatively, documents may be downloaded from the CPC website at <http://ceypetco.gov.lk/public-tenders/>. Bidders who download the documents must deposit the required fee into Account No. 004100110208633, Ceylon Petroleum Corporation, People's Bank (Head Office), and submit the payment receipt together with the Bid.
6. The Bid will be **closed at 1400 hrs. on 05.06.2026** and opened at the Office of Manager (Procurement & Stores), Ceylon Petroleum Corporation at the address given below, immediately after the closing time of the Bid. Bidders or their authorized representatives may present at the opening of the Bid.
7. Site Visit will be held at **1000 a.m. on 22.05.2026**. For further details, you may coordinate our Engineer, Mr. Shankar over the Tel. No. 0117296138.
8. All bids shall be accompanied by a Bid-Security obtained from a Licensed Commercial Bank in Sri Lanka to a Value of Rs. 95,000.00.
9. Bids shall be valid up to Seventy Seven (77) days (i.e up to 20.08.2026) after the deadline for submission of Bids.

The address referred to above is :

Chairman,  
**Departmental Procurement Committee,**  
C/o Manager (Procurement & Stores),  
Procurement & Stores Function,  
Ceylon Petroleum Corporation,  
1<sup>st</sup> Floor, No. 609, Dr. Danister De Silva Mawatha,  
Colombo 09.  
Tel : 011- 7296336 , Fax : 011 – 2106769

**Section – 4**

**FORM OF BID AND QUALIFICATION  
INFORMATION**

Note:

Bidders are advised to consider the information printed in *Italic format* and highlighted in the document as a checklist, when submitting their bids. However, it is the responsibility of the bidders to comply with all the requirements given in the bidding document.

## 4.1. FORM OF BID

**Name of Contract** : **Proposed Repair Works and Access Road Paving at China Bay Circuit Bungalow**

**To** : Ceylon Petroleum Corporation

Gentleman,

1. Having examined the Standard Bidding Document - Procurement of Works - Minor Contracts [ICTAD/ SBD/ 03 - Second Edition, January 2007], Schedule, Specifications, Drawings and Bills of Quantities and addenda for the execution of the above-named Works, we/I the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Schedule, Specifications, Drawings, Bill 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/I acknowledge that the Schedule forms part of our Bid.
3. We/I undertake, if our Bid is accepted, to commence the Works as stipulated in the Schedule, and to complete the whole of the Works comprised in the Contract within the time stated in the Schedule.
4. We/I agree to abide by this bid for the period stated in the Sub-Clause 15 of Instructions to Bidders or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
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/me.
6. We/I understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this ..... day of ..... 20.... in the capacity of ..... duly authorized to sign tenders for and on behalf of .....

(IN BLOCK CAPITALS)

**Signature** : .....

**Address** : .....

**Designation** : .....

**Address** : .....

**Witness** : .....

## 4.2. Qualification Information

(To be completed and submitted by the bidder, with the Bid)

	Eligibility Requirement	<i>Bidder's Qualification</i>
<b>CIDA Registration</b>		
<i>Registration number</i>		
<i>Grade</i>	C7 or above	
<i>Specialty</i>	<i>Building or Road</i>	
<i>Expiry Date</i>		
<b>Backlisted Contractors</b>		
<b>Have you been declared as a defaulted contractor by NPA or any other Agency?</b>		<b>Yes/No</b>
<b>IF yes provide details</b>		
<b>VAT Registration Number</b>		
<b>Construction Program</b>	<i>(attach as annex)</i>	
<b>Legal status</b>	<i>Public company/Private Company/Partnership/Sole proprietor</i>	

	Eligibility Requirement		<i>Bidder's Qualification</i>
<b>Qualification and experience of key staff</b>	Category, Experience and Qualifications	Required Nos.	<b>Proposed by bidder (Name, experience and Qualifications)</b>
	1 Technical Officer, 2 years' experience with NCT (Civil) qualifications	01 (Full time)	
<b>List Other information required</b>	<ul style="list-style-type: none"> <li>Business Registration</li> <li>CIDA Registration</li> <li>Past experience of the bidder with value above Rs. 7.0 Million during last 05 years</li> </ul>		

Signature of the Bidder : .....

## Section - 5

### SCHEDULE

Note :

This section shall be read in conjunction with Section 1 – Instructions to Bidders and Section 3 – Conditions of Contract, and is intended to provide specific information in relation to corresponding Clauses in Section 1 & 3. Whenever there is an ambiguity, the provisions in Section 5 – Schedule shall supersede those provided in the Section 1-Instructions to Bidders and Section 3 – Conditions of Contract.

Bidders are advised to consider the information printed in Bold and Italic in the document as a checklist, when submitting their bids.

**However, it is the responsibility of the bidders to comply with all the requirements given in the bidding document.**

## Schedule

ITB Clause	Conditions of Contract Clause	Item	Data
1.	1.1.8	Employer is :	Name : <b>Ceylon Petroleum Corporation</b> Address : <b>No. 609, Dr. Danister De Silva Mwt. Colombo 09.</b>
	1.1.10	Engineer is:	Name : <b>Eng. &amp; Prem. Manager</b> Address : <b>Engineering Function, No. 609, Dr. Danister De Silva Mwt. Colombo 09.</b>
1 & 13	1.1.21	Summary of Works	: Location : <b>Chinabay</b> Contract Name : <b>Proposed Repair Works and Access Road Paving at China Bay Circuit Bungalow</b> Contract Number: <b>400047383</b>
1	1.1.14	Intended Completion Date	Intended Completion Date is <b>03 months</b> from the Start Date
2		Source of Funds	Source: <b>Ceylon Petroleum Corporation</b>
3		Eligibility	The requirement is; <ul style="list-style-type: none"> <li>• Must be above C7</li> <li>• bidder shall not have been blacklisted</li> <li>• Must have completed at least one job above Rs. 07 Million during last 05 years.</li> </ul>
12		Documents to be submitted along with the Bid	<ul style="list-style-type: none"> <li>• Business Registration, CIDA Registration</li> <li>• Past experience of the bidder with value above Rs. 7.0 Million during last 05 years</li> </ul>
13	10.10	Price Adjustment	The Contract <b>is not</b> subject to price adjustment in accordance with Sub-Clause 10.10 of the Conditions of Contract

16		Bid Security	<p>Bid shall include a Bid Security:</p> <ul style="list-style-type: none"> <li>• for an amount <b>Rs. 95,000.00</b></li> <li>• issued by a licensed Commercial Bank in Sri Lanka using the form for bid security (unconditional guarantee) included in Section 9.1</li> <li>• remain valid till 105 days from the date of closing the tender. (i.e. 17.09.2026)</li> </ul>
31	4.4	Performance Security	<p>The successful bidder on being notified by CPC of the acceptance of his Bid, shall furnish at his own expense a Performance Guarantee, within fourteen (14) days of such notification issued by a Recognized Commercial Bank in Sri Lanka.</p> <p>The amount of Performance Security is 5% of the Initial contract price.</p>
	6.4	Late Completion	<p>The amount to be paid is Rs. <b>1/1000</b> of Initial Contract Price per Day, subjected to maximum of <b>10 %</b> of Initial Contract Price.</p>
	8.1	Notification of Defects	<p>The period for Defect Notification is <b>365</b> Days from Taking Over.</p>
	10.3	Retention	<p>The amount of retention is <b>10 %</b> of certified work done.</p> <p>The maximum amount of retention is <b>5 %</b> of Initial Contract Price.</p>
	10.12	Advance Payment	<p>Upon the recovery of the advance payment in full the Employer shall return the original of the advance payment guarantee to the Contractor.</p>
	13.1 (c)	Insurance, third party	<p>Minimum amount for third party insurance is <b>10% of the initial contract price</b></p>
	13.1	Insurance for Contractor's Personnel	<p>Minimum amount for Insurance for Contractor's Personnel is <b>110% of the initial contract price &amp; Workman Compensation Policy (WCP) Cover.</b></p>
33	1.1.11	Adjudicator	Delete
	14.0	Resolution of Disputes	Resolution of Disputes will be solely through Arbitration

**Section - 6**  
**SPECIFICATIONS**

## **6. Specifications**

### **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/cm<sup>3</sup>. 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 1<sup>st</sup> 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/mm<sup>2</sup>).

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  $f_y = 460$  N/mm<sup>2</sup> – Deformed high yield steel bar reinforcement.
- 6.4.5.5 Grade  $f_y = 250$  N/mm<sup>2</sup> – 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 220x110x 80 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 <sup>2</sup>
Fire Rating	- 1 hr

Colour to be selected by the Engineer.

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

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

#### **6.4.12 TURFING**

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

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

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

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

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

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

- 6.4.12.7 Two weeks after turfing, a selected chemical fertilizer shall be applied to the grass in accordance with the manufacturer's prescription.
- 6.4.12.8 During the period of maintenance the grass shall be trimmed with a lawn mover at regular intervals as required.
- 6.4.12.9 Where the sods are laid on sloping ground or of embankment, spikes shall be driven through the sods to hold them in position and spikes shall be removed only after the sods have taken on the ground. The process of watering and tamping will then be applied.

**6.4.13 SANITARY FITTINGS AND ACCESSORIES**

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

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

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

**6.4.14 ELECTRICAL INSTALLATION**

- 6.4.14.1 The electrical installation shall be for 400V, 3 phases or 230V single phase 50 Hz. A.C. Supply. All accessories used in the installation shall be for the appropriate working voltage.
- 6.4.14.2 Execution of work in every respect shall be to the satisfaction of the client / consultant and conform to the 16th edition of IEE wiring regulations. Any deviation shall have to be approved by the consultant.
- 6.4.14.3 The position of electrical fittings etc. shown in the drawings are approximate and exact position to be decided at site.
- 6.4.14.4 When procuring main cables contractor shall take in to account the actual physical measurement to avoid joints. Special orders shall be placed with the manufacturers for cable length more than 100 meters.
- 6.4.14.5 Before laying of conduit pipes on ceilings a conduit layout drawing shall be prepared by the Contractor for the approval of the consultant.
- 6.4.14.6 It is the responsibility of the Contractor to repair all walls, slabs, etc. to the satisfaction of the client.
- 6.4.14.7 All items shall be of reputed makes and samples shall be forwarded to the consultant for approval. In case of main switch board reputed manufacturer approved by the consultant shall make as per the given drawings.
- 6.4.14.8 All imported materials and fittings shall have the country of origin and the British Standard number marked.
- 6.4.14.9 Rates shall include for :-
- 6.14.4.10 Labour, transport and profit.
- 6.14.4.11 All accessories such as clips, screws, junction boxes, 3 core flexible cables, ceiling roses, G.I. chains, fan hooks etc.
- 6.14.4.12 Testing and commissioning.
- 6.14.4.13 The complete electrical installation shall be fully re-wirable type in concealed rigid PVC pipes / conduits.
- 6.14.4.14 Fixing Heights  
 Fixing heights from floor levels, unless directed otherwise shall be as follows:
  - Distribution Boards 1.7m
  - Main Distribution Boards 1.7m
  - Lamp fittings 2.4m
  - Ceiling fans 2.5m
  - Switches and fan regulators 1.4m
  - Socket outlets for general use 0.2m

## **6.14.5 EQUIPMENTS**

### **6.14.5.1 MDCs / DBs**

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

### **6.14.5.2 Miniature Circuit Breakers (MCB)**

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

### **6.14.5.3 Residual Current Devices (RCDs) (RCCBs)**

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

### **6.14.5.4 PVC Cables**

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

### **6.14.5.5 Amps. Switches**

They shall be white color complying with BS 1360.

### **6.14.5.6 Socket Outlets**

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

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

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

### **6.14.5.8 Screws and Panel Pins**

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

### **6.14.5.9 Ceiling Roses**

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

### **6.14.5.10 Lamp Holders**

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

### **6.14.5.11 Incandescent Bulbs**

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

### **6.14.5.12 Exhaust Fans**

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

#### **6.14.5.13 Underground Cables**

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

**Section - 7**  
**BILL OF QUANTITIES**

#### 4. BILL OF QUANTITIES

**CEYLON PETROLEUM CORPORATION**

**JOB: PROPOSED REPAIR WORKS AND ACCESS ROAD PAVING AT CHINA BAY CIRCUIT BUNGALOW.**

**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
	<p><b>This BOQ is repair of circuit bungalow for Ceylon Petroleum Corporation premises at chinabay.</b></p> <p><b>Note</b></p> <p>(a) Bidders should visit the site prior to price.</p> <p>(b) All debris to be cleared from site on completion of the work.</p> <p>(c) Any damaged to the adjoining property shall be rectified at contractors cost.</p> <p>(d) Samples to be submitted and obtained approval from the Engineer before purchasing the materials.</p> <p><b>All steel and Galvanized surfaces painting shall follow.</b></p> <p>* Applying one coat of polyamide cured Epoxy primer (sigma cover 280 or equivalent) - Minimum Paint thickness 75micron</p> <p>* Applying two coats of Aliphaho polyurethane finish (sigmadur 522 or equivalent ) - Minimum paint thickness 220 micron total for Steel surface</p> <p>* Applying two coats of Aliphaho polyurethane finish (sigmadur 522 or equivalent ) - Minimum paint thickness 170 micron total for galvanized surface</p>				
A	<p><b><u>WATER TANK</u></b></p> <p>Demolish and remove existing water tank ( Approx . Size 8' 0" x 6' 0" x 6 '0") over the caretakers rest room and remove from site to a place provided by the contractor .( 02 nos water tanks to be removed carefully to reuse )</p>	1.0	Item		
A01					
A02	<p><b><u>Excavation</u></b></p> <p>Excavation for water tank column foundation in any type of soil not exceeding 1.0m from finished ground level . Rate to include necessary rock blasting.</p>	7.0	m <sup>3</sup>		

#### 4. BILL OF QUANTITIES

**CEYLON PETROLEUM CORPORATION**

**JOB: PROPOSED REPAIR WORKS AND ACCESS ROAD PAVING AT CHINA BAY CIRCUIT BUNGALOW.**

**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
A03	Supply, filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated	5.0	m <sup>3</sup>		
	<b><u>Concrete work</u></b>				
	<b><u>Plain Concrete - 1:3:6 ( 25mm aggr. ) - Grade -15</u></b>				
A04	50mm thick concrete screed under column footing.	6.0	m <sup>2</sup>		
	<b><u>R.C.C. Concrete - 1:11/2:3 ( 20mm aggre:) - Grade - 25</u></b>				
A05	To 300mm thick column footing	2.0	m <sup>3</sup>		
A06	To column shaft (base up to ground level)	0.3	m <sup>3</sup>		
A07	To column shaft (ground level up to 3.0m high )	0.7	m <sup>3</sup>		
A08	To column shaft ( 3.0m high level up to 6.0m high )	0.7	m <sup>3</sup>		
A09	To plinth beam at ground level	0.5	m <sup>3</sup>		
A10	To tie beam at 3.0m high level	0.5	m <sup>3</sup>		
A11	To tie beam at 6.0m high level	0.5	m <sup>3</sup>		
A12	To 100mm thick slab	1.6	m <sup>3</sup>		
A13	To 100mm thick walls	1.2	m <sup>3</sup>		
A14	To 50mm thick Concrete precast cover slab on top	12.5	m <sup>2</sup>		
	<b><u>Sawn form work</u></b>				
A15	To vertical sides of coloumn and base	8.5	m <sup>2</sup>		

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**JOB: PROPOSED REPAIR WORKS AND ACCESS ROAD PAVING AT CHINA BAY CIRCUIT BUNGALOW.**

**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
A16	To column ground level up to 3.0m high .	11.0	m <sup>2</sup>		
A17	To column 3.0m high level up to 6.0m high .	11.0	m <sup>2</sup>		
A18	To plinth beam	6.0	m <sup>2</sup>		
A19	To tie beam 3.0m high level	6.0	m <sup>2</sup>		
A20	To tie beam at 6.0m high level	6.0	m <sup>2</sup>		
A21	To soffit of slab	14.0	m <sup>2</sup>		
A22	To sides of walls	25.0	m <sup>2</sup>		
<b><u>Reinforcement</u></b>					
A23	To 12mm dia tor steel in column base	60.0	kg		
A24	To 16mm dia tor steel in column base up to water tank slab level	210.0	kg		
A25	To 12mm dia toor steel in plinth beam and tie beams	120.0	kg		
A26	To 10mm dia tor steel in slab	120.0	kg		
A27	To 10mm dia tor steel in walls	120.0	kg		
A28	To 6mm dia mild steel in column strupps	60.0	kg		
A28	To 6mm dia mild steel in beams strupps	55.0	kg		
<b><u>Plumbing work</u></b>					
A29	Supply and laying of 50mm diameter Grade 1000uPVC solvent socketed pipes, with necessary specials, laid in overhead tank to existing lines . Rate to include all bends , sockets ,valve and accessories / fittings as approved by the Engineer .	7.0	m		

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**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
A30	Supply and laying of 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.	7.0	m		
A31	Supply and laying of 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.	7.0	m		
A32	<p><b><u>Septic tank cover slab</u></b> Remove existing damaged concrete cover slab and re construct 4" thick 1:2:4 (20mm) Grade - 20 concrete Reinforced with 10mm tor steel bar at 8" crs both ways bottom layer and top layer 6mm at 6" crs. B R C mesh and 9" x 9" concrete tie beam reinforced with 4 nos 12mm tor steel bars and 6mm strpps at 6" centers . Rate to includes laying guage 500 polythine layer under the concrete , necessary formwork as per Engineer's instruction and testing for concrete, Plant for mixing, handling, hoisting, depositing, compacting, vibrating, Curing, making good after removing of formwork .</p>	12.0	m <sup>2</sup>		
	<b>TOTAL CARRIED TO MAIN SUMMARY</b>				
<b>B</b>	<b>VERANDAH</b>				
B01	Excavation for side wall and verandah column foundation depth not exceeding 3' 0" from finished ground level.	4.0	m <sup>3</sup>		
B02	Rubble masonry work in cement sand mix 1:5 in side wall foundation	1.5	Cu		
B03	Supply and installation of 9" dia concrete decarative verandah post as approved by the Site Engineer. Rate to include foundation Excavation ,concreting and earth filling.	2.0	Nos		

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**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
B04	Supply and fixing 4" x 3" timber wall plate fixing on brick wall and verandah post as per detail drawing . Rate shall include for applying of wood preservative.	12.0	m		
B05	Supply and fixing 4" x 2" timber rafters fixing on brick wall and wall plate as per detail drawing . Rate shall include for applying of wood preservative.	30.0	m		
B06	Supply and fixing 2" x 2" timber purlin fixing on timber frame as per detail drawing . Rate shall include for applying of wood preservative.	16.0	m		
B07	Supply and laying of Corrugated Asbestos roofing sheet on timber frame work as directed by the Engineer. The sheets to be fixed with 9" end lap and half corrugation side laps. (Frame work measured separately).	16.0	m <sup>2</sup>		
B08	Supply and fixing 9" x 1" timber valance board (Ginisapu timber or approved equivalent). Rate to include one coat of wood primer and two coats of enamel paint of approved colour.	10.0	m		
B09	Supply and fixing of Colour Bonded Zinc Aluminium 9" x 9" gutters with a coated thickness of 0.47 mm all as per manufactures specification and detailed drawings in roof. Rate shall include for all necessary specials. (down pipes measured separately)	6.0	m		
B10	Supply and fixing of Colour Bonded Zinc Aluminium down pipe 5" x 3 1/2" square type with a coated thickness of 0.47mm fixed with G.I. Brackets complete with specials .	4.0	Lft		
B11	Lamp point wiring of 2 x 1mm <sup>2</sup> cu/pvc/pvc cable point wiring with 10A single gang switch in concealed PVC conduits from the existing electrical distribution board .	2.0	No		

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**CEYLON PETROLEUM CORPORATION**

**JOB: PROPOSED REPAIR WORKS AND ACCESS ROAD PAVING AT CHINA BAY CIRCUIT BUNGALOW.**

**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
B12	3" thick 1:3:6 (25mm ) floor concrete in verandah floor area.	16.0	m <sup>2</sup>		
B13	Cement rendering 1/2" thick in cement sand 1:3 finished smooth with coloured cement slurry.	16.0	m <sup>2</sup>		
	TOTAL CARRIED TO MAIN SUMMARY				
<b>C</b>	<b>BATH ROOM - 01 AND 02</b>				
C01	Remove existing bath rooms fittings (01 No wash basing , 01 nos water closet and other necessary fittings and floor tile and wall tile etc) in bath room (Size 7' 6" x 10' 0") and remove from site to a place provided by the	1.0	No		
C02	- Ditto - Bath room Size 4' 6" x 10' 0"	1.0	No		
C03	Remove existing door with frame (Door size 2' 3" x 6' 2" ) and removed space fill with 9" brick work and plastering internal and external.	2.0	Nos		
C04	Remove existing 02 nos fanlight with frame (Size 2/ 1' 5" x 3' 0" ) and removed space fill with 9" brick work and plastering internal and external.	1.0	No		
C05	Supply fabricate and installing of Aluminium fanlight overall size 2' 0" x 2' 0" Aluminum framed glazed fanlight , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. Rate to include demolish existing 9" thick brick work , plastering , prepare reaveals and mack good the surface.	2.0	Nos		
C06	Removing existing <b>bathroom door</b> with frame and Supply and fixing of (size 2' 6" x 6' 9" ) Aluminium framed door sash with bottom part aluminium cladded and upper part pin head glazed(sized 2' 3" x 3' 0" ) as approved by the Engineer .Rate to include necessary fittings to complete good in order including door handle,door lock of approved make and quality, hinges and barrol bolt etc.	2.0	Nos		

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ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
C07	Supply and laying of Porcelain non slip tiles (300mm x 300mm ) 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 .	12.00	m <sup>2</sup>		
C08	Supply and laying of Porcelain Glazed tiles (300mm x 600mm )of approved size and design to walls of toilets up to 2100mm 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.	45.0	m <sup>2</sup>		
	<b><u>Water Proofing</u></b> <b><u>The method of water proofing with the materials proposed to be forwarded with the quotation</u></b>				
C09	Supply and apply "Xypex" or approved equivalent water proofing agent to manufactures specification to bath room walls.	55.0	m <sup>2</sup>		
	<b><u>Plumbing work</u></b>				
C10	1" 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.	7.00	m		
C11	3/4" 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.	10.00	m		
C12	1/2" diameter Grade 1000 uPVC solvent socketed pipes with and including all necessary specials, laid in chases and clipped in brick / concrete surface in internal distribution system.	12.00	m		

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**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
	<b><u>Soil &amp; Waste water installation</u></b>				
C13	Supply and laying of 110 mm diameter sewerage pipe, grade 1000, rubber ring socketed uPVC, with all necessary specials including bends and sockets , laid from squatting pan to manhole including all necessary excavation not exceeding 1.5M deep, back filling and 375mm x 375mm grade15 concrete backing and haunching at minimum 1.0m intervals.	8.00	m		
C14	11/2" diameter soil pipe (grade 600 uPVC) with all necessary specials, laid from manhole including all necessary excavation not exceeding 1.0m deep including earth work .	8.00	m		
	<b><u>Sanitary Fittings and Toilet Accessories</u></b>				
	<b><u>Note</u></b>				
	<b>(a) Contractor to purché all items from the agent with agent warranty and invoice. Samples and technical data / catalogue to be submitted and obtained approval from the Engineer before purchasing the materials.</b>				
	<b>(b) All taps and accessories to be ' HUIDA ' , or ' HAGAR ' or equivalent.</b>				
	<b>(c) All sanitary fittings to be following or equivalent American standard , Rocell or Cotto or equivalent.</b>				
	<b>(d) All connections to appliances shall be through 20mm diameter stainless steel angle valve, Peglar No -1 or equivalent and connected to fittings with 20mm diameter flexible pipe (Amirican standard or equivalent ) approved by Engineer.</b>				

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**JOB: PROPOSED REPAIR WORKS AND ACCESS ROAD PAVING AT CHINA BAY CIRCUIT BUNGALOW.**

**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
C15	Supply and installation pedestal type ceramic wash basin (white )22" x 15 " overall size with 20mm dia stainless steel 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 65,000 /= per No)	2.00	No		
C16	Supply and installation of ceramic close couple water closet with " P " or "S" trap duel flush complete with flexible connection and angle valves to the working order.(Prime cost of water closet with fittings -Rs 80,000 /= per	2.00	No		
C17	Supply and Installation of stainless steel 1/2" dia bib tap .(Prime cost of bib tap -Rs 3500 /= per No)	2.00	No		
C18	Supply and fixing of bidet shower.(Prime cost of bidet shower with fittings - Rs 3500 /= per No) .(Ground floor)	2.00	No		
C19	Supply and installation of 100mm dia stainless steel shower rose.(Prime cost of shower rose with fittings - Rs 3500 /= per No)	2.00	No		
C20	Supply and installation of stainless steel towel rail .(Prime cost of stainless steel towel holder with fittings -Rs 4000 /= per No)	2.00	No		
C21	Supply and installation of stainless steel coat hooks.(Prime cost of stainless steel coat hook. - Rs 2000 /= per No) (Ground floor)	2.00	No		
C22	Supply and installation of stainless steel soap tray .(Prime cost of stainless steel soap tray with fittings Rs 3500 /= per No)	2.00	No		
C23	Supply and installation of mirror size 600mm x 400mm plain glass mirror with chromium plated clips and plugs to be fixed to wall above wash basin in bath rooms .(Prime cost of mirror - Rs 4500 /= per No)	2.00	No		

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ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
	<b><u>Builders works</u></b>				
C24	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.	2.00	No		
C25	Waste water PVC trap gully internal size 225x225 x300mm deep in concrete floor including 130mm thick concrete screed (1:3) rendering to all exposed surfaces and finished smooth with neat cement float. Rate to include for necessary earthwork, concreting and cast iron removable gully cover.	2.00	No		
C26	Construction of RCC sewer manhole internal size of 450mm x 450 & depth not exceeding 500mm , consist of 2" thick Grade 15 lean concrete and 100mm thick Grade 20 concrete base and side walls r/f with 10mm dia. tor steel @ 250mm c/c bothways , with cast iron removable gully cover. Rate to include for excavation, necessary formwork, lifting hooks and 1/2" thick cement , sand rendering in 1:2 mix finished smooth with neat cement to all internal surfaces. as per detail drawing.	2.00	No		
	<b>TOTAL CARRIED TO MAIN SUMMARY</b>				
<b>D</b>	<b><u>EXTERNAL WORK</u></b>				
D1	<b><u>Concrete retaining wall</u></b> 6" thick 1:2:4 (20mm) Grade - 20 concrete retaining wall 1' 6" above ground level , 1' 0" below and 1' 6" width 6" thick base. Reinforced with 10mm tor steel bar at 1' 0" crs both ways. Rate to includes laying guage 500 polythine layer under the concrete , reinforcement , necessary formwork as per Engineer's instruction and Curing making good after removing of formwork . as per detail drawing no .....	7.00	m		

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ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
	<b><u>Pavement</u></b>				
D2	Demolish and remove existing pavement with drain and new construction of (2' 0" wide ) 75mm thick 1:2:4 ( 20mm ) floor concrete pavement and concrete drain (9" wide x 6" - 1' 6" average depth internaly) with 75mm thick side walls and base of 1:2:4 (20mm) cement concrete and 16mm thick 1 : 3 cement rendering finished smooth with coloured cement slurry . Rate to include excavation , formwork , Curing etc. as shown in detail drawing and as directed.	7.00	m		
	<b><u>Drain</u></b>				
D3	Construction of concrete drain ( 9" wide x 1' 0" - 1' 6" average depth internaly) of smooth face with 3" thick side walls and base of 1:2:4 (20mm) cement concrete. Reinforce with 10mm dia Tor steel 07 Nos horizontal bars and Verticals bars at 9" crs. Rate to include excavation, formwork, Curing and fixing cover grating as shown in detail drawing and as directed.	7.00	m		
D4	Supply , filling and compacting imported soil in layers not exceeding 150mm at any time watered well rammed and consolidated , compaction using 3 ton vibrator roller as approval by the Engineer (Compacted	23.00	m <sup>3</sup>		
	<b><u>Footh parth</u></b>				
D5	Remove existing footh parth (25' 0" x 2' 4" ) and re construct new footh parth with 2" thick 2' 0" x 2' 0" concrete paving slab placed on 2" thick sand bedding on the well compacted soil to the specified sloap . Edges of the paving slab should be finished with 3' 0" x 6" x 9" Precast cement concrete kerbs including excavation , formwork and concreteetc.	8.00	lft		
	<b>TOTAL CARRIED TO MAIN SUMMARY</b>				

#### 4. BILL OF QUANTITIES

**CEYLON PETROLEUM CORPORATION**

**JOB: PROPOSED REPAIR WORKS AND ACCESS ROAD PAVING AT CHINA BAY CIRCUIT BUNGALOW.**

**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
<b>E.</b>	<b><u>VIP ROOM</u></b>				
E1	Remove existing timber window and Supply fabricate and installing of Aluminium casement window overall size 8' 0" x 5' 0" Aluminum framed glazed paneled window , all as per detailed drawing and including all necessary fittings. as approved by the Engineer. Rate to include necessary prepare reaveals.	2.00	Nos		
E2	Remove existing timber door and supply fabricate and installing of power coated single sash door with frame ( door size 3' 2" x 6' 10" ) , door sash with aluminium composite panel sheets at top and bottom panel . Rate to include necessary fittings of approved make and quality ( woold beading , hinges , barrol bolt , door handleand door lock etc ) to complete good in order as approved by the Engineer.	2.00	Nos		
	<b>TOTAL CARRIED TO MAIN SUMMARY</b>				
<b>F.</b>	<b><u>INTERNAL ROADS</u></b>				
	<b>The Standard Specifications comprise ‘Standard Specifications for Construction and Maintenance of Roads and Bridges’ issued under the authority of the Director General of the Road Development Authority and published by the Institute of Construction Training and Development.</b>				
	<b>The ICTAD Publication No. of this publication is SCA/5 Second Edition –June 2009</b>				
F1	Allow for necessary site clearing , Cut and remove all loose metal and to well compact exposed top surface using motor grader and 10 ton roller. All debries to be remove from site to a place provided by the contractor .	1,500.0	m <sup>3</sup>		

#### 4. BILL OF QUANTITIES

**CEYLON PETROLEUM CORPORATION**

**JOB: PROPOSED REPAIR WORKS AND ACCESS ROAD PAVING AT CHINA BAY CIRCUIT BUNGALOW.**

**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
F2	Supply and lay Dense graded aggregate base (ABC) spreading water and compacting using 8 ton roller. Rate to includes transport to site.	25.0	m <sup>3</sup>		
F3	Supply and apply 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 road surface . 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.)	100.0	m <sup>2</sup>		
F4	Supply and apply Tack coat using emulsion (CRS-1) at the rate of 0.5 ltr/Sq.m including brushing, cleaning road surface . Rate to includes transport, loading, unloading & hire chargers of required machinery Air compressor ,Emulsion sprayer etc.	1,500.0	m <sup>2</sup>		
F5	Supply , laying and compacting of asphalt concrete (19mm,binder (60/70) 6% mix) - Dense (Plant made) in wearing surface using paver. Rate to include transport, loading and unloading of material to site , hire charge of all machinery required such as asphalt paver, static roller & pneumatic tired roller etc.	200.0	M.Ton		
	<b>TOTAL CARRIED TO MAIN SUMMARY</b>				

**4. BILL OF QUANTITIES**

**CEYLON PETROLEUM CORPORATION**

**JOB: PROPOSED REPAIR WORKS AND ACCESS ROAD PAVING AT CHINA BAY CIRCUIT BUNGALOW.**

**B.O.Q. No. 2024/ / CHINA BAY /17**

ITEM	DESCRIPTION	QTY	UNT	RATE	AMOUNT
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**MAIN SUMMARY**

<b>A</b>	<b>WATER TANK</b>	<b>Rs.</b>	<b>-</b>		
<b>B</b>	<b>VERANDAH</b>	<b>Rs.</b>	<b>-</b>		
<b>C</b>	<b>BATH ROOM - 01 AND 02</b>	<b>Rs.</b>	<b>-</b>		
<b>D</b>	<b>EXTERNAL WORK</b>	<b>Rs.</b>	<b>-</b>		
<b>E</b>	<b>VIP ROOM</b>	<b>Rs.</b>	<b>-</b>		
<b>F</b>	<b>INTERNAL ROADS</b>	<b>Rs.</b>	<b>-</b>		

**TOTAL AMOUNT** **Rs.** **-**

**LESS DISCOUNT IF ANY (.....%)** **RS.....**

**SUB-TOTAL (1)** **RS.....**

**ADD SSCL (2.5%)** **RS.....**

**SUB-TOTAL (2)** **RS.....**

**ADD VAT (18%)** **RS.....**

**TOTAL WITH TAXES** **RS.....**

Total Amount in Words :.....

VAT Registration No:.....

Name of Bidder :- .....

Address :-.....

Te;/ E-mail : .....

.....  
Date

.....  
Signature of Bidder

## **Section – 8**

### **DRAWINGS**

Not applicable

## **Section – 9**

### **STANDARD FORMS (BID)**

- **Bid Security**
- **Check list**

*Note :*

*The bidders are advised to use the information printed in Italic form and highlighted in this volume as a check list when submitting the bid. However, it is the responsibility of the bidders to comply with all the requirements given in the bidding document. Failure to non compliance with any of them may be a reason for rejection of the Bid.*

Notes on Standard Forms :

- *Bidders shall submit the completed Form of Bid Security/Bid Securing Declaration as appropriate in compliance with the requirements of the bidding documents.*
- Bidders should not complete the Form of Agreement at the time of preparation of bids.
- The successful bidder will be required to sign the Form of Agreement, after the award of contract.
- Any corrections or modifications to the accepted bid resulting from arithmetic corrections, acceptable deviations, or quantity variations in accordance with the requirements of the bidding documents should be incorporated into the Agreement.
- The Form of Performance Security, Form of Advance Payment Security and Form of Retention Money Guarantee should not be completed by the bidders at the time of submission of bids.
- The successful bidder will be required to provide these securities in compliance with the requirements herein or as acceptable to the Employer.

## **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").*

*Furthermore, 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"); or*
- (c) having been notified of the acceptance of its Bid by the Employer 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.*

----- *[signature(s) of authorized representative(s)]*

## ***CHECK LIST FOR BIDDERS***

***Bidders are advised to complete the following check list:***

<b><i>ITEM</i></b>	<b><i>ITB Clause</i></b>	<b><i>YES (tick)</i></b>	<b><i>REFERENCE</i></b>
<b><i>Form of Bid</i></b>			
<b><i>Addressed to the Employer ?</i></b>	<b><i>1.3.8</i></b>		
<b><i>Completed ?</i></b>	<b><i>1.3.8</i></b>		
<b><i>Signed ?</i></b>	<b><i>1.3.8</i></b>		
<b><i>Bid Security</i></b>			
<b><i>Addressed to the Employer ?</i></b>	<b><i>1.3.6</i></b>		
<b><i>Format as required ?</i></b>	<b><i>1.3.6</i></b>		
<b><i>Issuing Agency as specified ?</i></b>	<b><i>1.3.6</i></b>		
<b><i>Amount as requested ?</i></b>	<b><i>1.3.6</i></b>		
<b><i>Validity 28 days beyond the validity of Bid ?</i></b>	<b><i>1.3.6</i></b>		
<b><i>Qualification Information</i></b>			
<b><i>All relevant information completed ?</i></b>	<b><i>1.1.4</i></b>		
<b><i>Signed</i></b>	<b><i>1.1.4</i></b>		
<b><i>Addendum</i></b>			
<b><i>Contents of the addendum (if any) taken in to Account ?</i></b>	<b><i>1.2.3</i></b>		
<b><i>BID package</i></b>			
<b><i>All the documents given in ITB Clause 1.3.2 enclosed in the original and copy ?</i></b>	<b><i>1.3.2</i></b>		
<b><i>ITB Clause 1.4.1 followed before Sealing the Bid Package</i></b>	<b><i>1.4.1</i></b>		