

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF HEALTH & MASS MEDIA

REFURBISHMENT OF RECEPTION AREA OF OUT PATIENTS

DEPARTMENT

GENERAL HOSPITAL (TEACHING), PERADENIYA

CONTRACT NO. - THP/AD/31/2025

BIDDING DOCUMENT

Volume I

Section 01 – Instructions to Bidders

Section 02 – Standard Forms (Contract)

Section 03 – Conditions of Contract

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Invitation for Bid

Section 04 – Form of Bid and Qualification Information

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Invitation for Bid

Section 04 – Form of Bid and Qualification Information

Section 07 – Bill of Quantities and Schedules

ENGINEER

CENTRAL ENGINEERING CONSULTANCY BUREAU

NO.415,

BAUDDHALOKA MAWATHA,

COLOMBO 07

EMPLOYER

DIRECTOR,

GENERAL HOSPITAL (TEACHING)

PERADENIYA

AUGUST 2025

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Invitation for Bids (IFB)

Ministry of Health and Mass Media

“Refurbishment of Reception Area of Out Patient Department, General Hospital (Teaching), Peradeniya”

Contract No. : THP/AD/31/2025

1. The **Director, General Hospital (Teaching), Peradeniya** on behalf of the Ministry of Health, “Suwasiripaya”, 385, Rev Baddegama Wimalawansa Thero Mawatha Colombo 10 invites sealed bids from eligible and qualified bidders for the “**Refurbishment of Reception Area of Out Patient Department, General Hospital (Teaching), Peradeniya**” Contract No: **THP/AD/31/2025** as described below and estimated to cost of work is approximately **Rs. 13.7 Million** excluding contingencies and taxes. Construction period 120 days

The works to be carried out mainly consist of the following

- Construction of roof above the courtyard at the Out Patient Department
- Construction of canopy roof with ceiling and lights above the counters as per the drawing
- Providing counter furniture and chairs as per the drawing
- Demolishing existing floor tiles and laying new tiles
- Providing flower troughs, fixing powder coated AL box sections, fixing AL louver panels and AL door as per the drawing
- Replace gutters and down pipes of existing roof

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 and shall meet the following requirements
CIDA Registration Required:
Specialty: Building Construction
Grade : **C 7 or above**
 - Average annual volume of installation work performed in the last five years shall be at least **Rs21.0 Million**.
 - Experience in the installation of at least one contract for each year of a similar nature and complexity equivalent to the Works over 05 years. **Attach as an annex.**
 - The minimum amount of liquid assets and/or credit facilities as exclusive of any advance payments which may be not less than **Rs. 10.3 Million**.
 - Since the Cost Estimate of this procurement is above 5 million, the provisions of Public Contracts Act No:(03) of 1987 shall be applied and forward the certificate.
4. Qualification requirements to qualify for contract award include:
Technical Staff at site to be: One Civil Engineer (Part Time)-B.Sc./NDT and One Engineer Assistant (Civil. –Full time) – NCT with 5 years’ experience Engineer Assistant (Electrical. –Part time) – NCT with 5 years’ experience
5. Interested bidders may obtain further information from **Director, General Hospital (Teaching), Peradeniya** Tel. No. **081-2388001** and inspect the bidding documents at the address given below from **09.00 hrs to 15.00 hrs**.
6. A complete set of Bidding Documents in English language may be purchased by interested bidders on the submission of a written application to the **Director, General Hospital (Teaching),**

Peradeniya Tel. No. 081-2388001, from 22.08.2025 until 11.09.2025 from **09.00 hrs to 15.00 hrs**. or downloading the bidding document from below web site upon payment of a non-refundable fee of Rs. 3,500.00. The method of payment shall be in cash.

web site – www.peradeniya-hospital.health.gov.lk

7. Bids shall be delivered to the address below, on or before **10:30hrs**, on 12.09.2025. Late bids will be rejected. Bids will be opened soon after closing of Bid in the presence of the bidders or bidder's representative who choose to attend.
8. Bid shall be valid up to 77 Days.
9. All bids shall be accompanied by a Bid Security of **Rs. 207,000.00** (Rupees Two Hundred Seven Thousand only).
Bids Security shall be valid up to 105 Days from the Date of closing of the Bids.

The address referred to above is,

Chairman,
Regional Procurement committee,
Teaching Hospital,
Peradeniya.

Section - 4

**FORM OF BID AND QUALIFICATION
INFORMATION**

FORM OF BID

REFURBISHMENT OF RECEPTION AREA OF OUT PATIENTS DEPARTMENT GENERAL HOSPITAL (TEACHING), PERADENIYA

To: Director,
General Hospital (Teaching)
Peradeniya

Gentleman,

1. Having examined the Standard Bidding Document - Procurement of Works (ICTAD/SBD/01-Second edition, January 2007 and Addendum 01 issued in October 2009 & Addendum 02 issued in February 2011) , Schedule for Conditions of Contract, Specifications, Drawings and Bill 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, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees
(LKR Rs.) 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 stipulated in the Contract Data, 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 for the period of 91 Days from the date fixed for receiving 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.
6. We understand that you are not bound to accept the lowest of any Bid you may receive.

Dated this..... Day of 2025 in the capacity of..... Duly
authorized to sign bids for and on behalf of

.....
(IN BLOCK CAPITAL)

Signature :

Name :

Designation:

Address :

.....

.....

Witness :

.....

QUALIFICATION INFORMATION

(To be completed and submitted by the Bidder with the Bid)

ICTAD Registration	
	Main Contractor Details
Registration number	<i>(Attach copies of relevant pages from the registration book)</i>
Grade	C 7 or above
Specialty	Building Construction
Expiry Date	
Blacklisted Contractors	
Have you been declared as a defaulted contractor by NPA or any other agency? (Yes/No)	
If yes provide details	
VAT Registration Number	
Construction Program	(attach as annex)
Legal Status	Certified copies of original documents defining the constitution or legal status, place of registration and principle place of business (sole proprietary, partnership, company, etc.)
Certificate issued by the Registrar of Public Contracts as per the Public Contracts Act No.03 of 1987	(attach as annex)
Value of Construction works Performed in last 5 years	<i>(Attach certified copies of certificate of completion, etc. and other documents such as profit-loss and income expenditure statement)</i>
Year 2024	
Year 2023	
Year 2022	
Year 2021	
Year 2020	
Value of similar works completed in last 5 years (indicate only the three largest projects)	1. Value Rs..... Year 2. Value Rs..... Year 3. Value Rs..... Year (Attach certified copies of Letter of award & certificate of completion)

Credit Facility			
Qualification and experience of key staff (Attach certified copies of key staff attached to the project)	Eligibility Requirement		Bidder's Qualification
	Category, Experience and Qualifications	Required Nos.	Proposed by bidder (Name, experience and Qualifications)
	Engineer (Civil)	01 Part time	BSc Engineering or equivalent (5 years total experience in building projects)
	Technical Officer (Civil)	01 Full time	NDT, NDES, HNDE or equivalent (5 years total experience in building projects)
	Technical Officer (Electrical)	01 Part time	NDT, NDES, HNDE or equivalent (5 years total experience in building projects)

SECTION - 07

BILL OF QUANTITIES

PREAMBLE TO THE BILL OF QUANTITIES

1. The Conditions of Contract, the Specifications are to be read in conjunction with the Bill of Quantities.
2. The cost of complying with all conditions, obligations and liabilities described in the Conditions of Contract and the Specifications and the Bill of Quantities **including all overhead charges (excluding VAT), profit and Preliminaries** and carrying out the work as described shall be deemed to be spread over and included in the prices or sums stated by the Bidder in the Bill of Quantities. VAT should be separately added.
3. If the Bidder failed to price any Items in the Bill of Quantities then the cost of the work under such Item shall be held to be spread over and included in the prices given against other Items of work.
4. When trade names, brand and/or catalogue numbers are referred to, sole preference to any material or equipment is not intended. Any other material or equipment may be used, provided that the characteristics of type, quality, appearance, finish, method of construction and/or performance is equal to or superior to specify.
5. Whenever the method of measurement is not clear from documents available, the principles as given in the Sri Lanka Standard 573, 1999, Method of Measurement of Building Work shall be applicable.
6. All items of work shall comply exactly with the Contract unless otherwise approved by the Engineer and the rates and sums inserted in the Bill of Quantities shall be deemed to apply to the work as specified. If, for his convenience or reasons of availability, the Contractor proposes and the Engineer approves the use or provision of alternative items, materials or method of working, or equivalent or superior quality to those specified in the Contract, the rates and sums inserted in the Bill of Quantities shall not in any case be increased as a result.
7. The quantities set out in the Bill of Quantities are provisional and cover the approximate scope of the work which is anticipated to be performed by the Contractor. The actual quantities used for final measurement purposes will be determined by the Engineer by measurement of the work completed by the Contractor.
8. Where, for his own purposes or due to his own default, the Contractor carries out the Works in such a manner that the quantity of any Item of work in particular component to be measured for payment purposes differs from that directed by the Engineer, then payment shall be made according to the lesser of the actual quantity and that directed. An excess quantity in one part of the component shall not, however, be allowed to offset a deficit elsewhere in the same component for measurement purposes.
9. Where the determination for payment purposes of the quantity of any Item of work depends upon the measurement of existing features or ground levels and the like, then prior to carrying out any operations which might affect such measurement, the Contractor shall first take such levels and measurements as the Engineer may direct and, after the Engineer has had the opportunity to check the same, they shall be certified as agreed by both the Engineer and the Contractor.

10. In the event that the Contractor fails to observe the above procedure, the Engineer shall determine the quantity to be assumed for payment purposes using the best information available to him, and his decision in the matter shall be final.
11. Selected Bidder shall comply with the arrangement of work in the buildings and be ready to work part by part as required by the Authorities of General Hospital (Teaching), Peradeniya.
12. Rates in the Bill of Quantities shall include all necessary materials such as cables, PVC conduits, PVC sunk boxes etc and labour required to complete the electrical installation to good working order.
13. Except where specifically stated, all costs associated with provision of all holes, openings, chases and ducts in other builders' work required for installation and make them good , shall be included in the rates.
14. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the General Hospital (Teaching), Peradeniya.. Further, Water & Electricity for the Work shall be arranged by the Bidder.
15. The Bills of Quantities should therefore, be priced to reflect all factors that would affect the bid and the progress of the works.
16. All electrical accessories should comply with relevant BS/IEC standards. For electrical accessories, manufacturer's guarantee should be produced if necessary.
17. The wiring installation shall comply with the requirements of IEE Wiring Regulations, latest edition.
18. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the General Hospital (Teaching), Peradeniya.
19. Screens should be provided to prevent dust escaping from working areas.
20. Metric units are used throughout the Bill of Quantities for measurement purposes unless otherwise indicated. Abbreviations used in the Contract are as follows:-

mm	-	Millimeter
m	-	Linear meter
kg	-	Kilogram
m ²	-	Square meter
m ³	-	Cubic meter
nr	-	Number
Rs.	-	Sri Lankan Rupees
Cts.	-	Cents
Pro. Sum	-	Provisional sum

**REFURBISHMENT OF RECEPTION AREA OF OUT PATIENTS DEPARTMENT
GENERAL HOSPITAL (TEACHING) - PERADENIYA**

BILL OF QUANTITIES

MAIN SUMMARY

Bill No	DESCRIPTION	AMOUNT	
		Rs	Cts
1A	DEMOLITION	.....	.....
1B	FLOOR FINISHES	.....	.....
1C	PAINTING	.....	.....
1D	METAL WORK	.....	.....
1E	SUSPENDED CEILING	.....	.....
1F	ROOF STRUCTURE, ROOF COVERING & ROOF PLUMBING	.....	.....
1G	EXTERNAL WORKS	.....	.....
1H	MISCELLANEOUS	.....	.....
1J	ELECTRICAL WORKS	.....	.....
(a)	SUB-TOTAL I	.....	.....
(b)	Less: Provisional Sum	1,090,000.00	.....
(c)	SUB-TOTAL II	.....	.....
(d)	Less: Discount if any ( .....% )	.....	.....
(e)	SUB-TOTAL III	.....	.....
(f)	Add: Provisional Sum	1,090,000.00	.....
(g)	TOTAL BID SUM WITHOUT TAXES	.....	.....

Total Bid Sum to be taken in to Form of Bid in words Rupees:
.....
..... only.

Bidder's VAT Registration No.....

Amount of V.A.T. (prevailing VAT) : Rs.....

.....
Signature of Bidder

Name and Address of Bidder: Date.....

.....
.....

Contact Telephone No :

.....
Signature of Witness (1)

.....
Signature of Witness (2)

Name and Address of Witness (1)

Name and Address of Witness(2)

.....
.....

.....
.....

Date.....

Date.....

REFURBISHMENT OF RECEPTION AREA OF OUT PATIENTS DEPARTMENT
GENERAL HOSPITAL (TEACHING) - PERADENIYA

BILL OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<p><i>Rate shall include for erecting and maintaining scaffolding and self climbing platforms. Such scaffolding etc. shall be removed on completion and all Works disturbed shall be made good.</i></p> <p>1A - DEMOLISION</p> <p><i>Valuable material arising from demolitions shall be the property of the employer and shall be stacked in a place within the hospital premises as directed by the hospital authority and handed over with a proper way except materials which are purchase by the contractor</i></p> <p><i>Debris shall be cleared away from the hospital premises and cost for same should distribute among their rates .</i></p> <p><i>Rate shall include for necessary precaution for spreading dust to the adjoining office area while renovation in progress.</i></p> <p><i>Payment for demolishing items shall be certified only after submission of handing over notes for valuable removed items, with join inspection of all representatives of Client, Engineer and contractor.</i></p>	Note			
1A-1	Allow sum for upgrading of existing Zn/Al gutters, nossels and gutter heads as directed. (Approximate length is 35.0m)		Item		.....
1A-2	Allow sum for demolition of existing Zn/Al down pipes and handover reuseable materials to the client. (Approximate length is 66.0m)		Item		.....

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
1A-3	Cutting down trees including lowering branches, uprooting and grubbing girth exceeding 1000mm excavation filled in earth logging and stacking.	2	nr	.....	.....
1A-4	Demolition of existing waiting benches as directed. (Approximate floor area 9.0m ²)	125	Item		.....
1A-5	Demolition of floor tiles and clearing debris as directed. Rate to include for removing cement sand bedding, and making good of all surfaces.		m ²	.....	.....
1A-6	Removing Zn/Al roofing sheets near existing corner columns for fixing "I" sections to extend the columns and refixing sheets after cutting near columns.		Item		.....
	Total Amount for Demolision Carried to Summary				.....
	1B - FLOOR FINISHES <u>FLOOR FINISHES</u> Rate shall include to, (a) All extra work involved to patterned work. (b) Fair edges, internal angles for Treads and risers (c) Ends angles, ramped and wreathed covers for strings and aprons. (d) Fair edges, rounded edges, covered junctions, angles, and the like for skirting curbs and edges or Floors (e) Plastic corner beadings (f) Supplying and Fixing of materials Floor Tiling At the beginning Contractor shall lay Floor and wall tiles section by sections for Engineers inspection and checking neatness, quality and for approval to continue tiling. Rate shall include for such costs. cut pieces of tiles smaller than half of a tile shall not be used without prior approval of Engineer. Floor tiles shall be homogeneous vitreous, locally manufactured, porcelain type and approved colour by the Engineer.				
		Note			
		Note			
		Note			

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<p><i>Water absorption of Floor tiles should be less than 0.5% and Modulus of rupture to be over 27N/mm².</i></p> <p><i>Anti fungal tile grout shall be used for tiling works.</i></p> <p><i>Rate shall include to apply tile adhesive for tile laying.</i></p> <p>Supplying and laying of locally manufactured semi glazed homogeneous vitreous porcelain Floor tiles size 600mm x 600mm bedding on 20mm thick, 1:3 cement rendering (F55) finished with colour grout to match. Rate shall include to apply tile adhesive approved by the Engineer. (Prime Cost of Rs. 1665.00 per tile)</p>	<p><i>Note</i></p> <p><i>Note</i></p> <p><i>Note</i></p>			
1B-1	<p>Ground Floor</p> <p>100mm high skirting by supplying and fixing locally manufactured semi glazed homogeneous vitreous porcelain Floor tiles Tile Skirting, bedding on 12mm thick, 1:3 cement rendering finished with colour grout to match (F55).</p>	136	m ²	.....	.....
1B-2	Ground Floor	16	m	.....	.....
	Sub Total of Floor Finishes Carried to Summary				.....
	<p>1C- PAINTING</p> <p><i>Rates shall include for,</i> <i>The prices shall include for preparation of surface, cleaning down, use of wall fillers and primary paint coats to obtain neat surface., sand papering etc.</i></p> <p><i>Preparation of unplastered slab surfaces by grinding to make even, cleaning down the surfaces, patching up the cracks or to make up levels.</i></p> <p><i>Protection of Floors and fittings, removing door and window furniture, and cleaning window etc. upon completion.</i></p>	<p><i>Note</i></p> <p><i>Note</i></p> <p><i>Note</i></p>			

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
1C-1	<i>All exterior emulsion/ Floor paints, primer shall be of approved make with non lead pigment.</i>	Note			
	<i>Rate to include for the cost for the scaffoldings.</i>	Note			
	<i>Warrenty shall be given by the accredited agent</i>				
	<i>Paints shall have the internationally recognized green certification.</i>	Note			
	<i>Fillerprimer, midcoat, top coat shall be compitable</i>				
1C-1	Prepare and apply one primer coat and two coats of Exterior Emulsion paint of approved colour and quality to walls and reveals as per the manufacture specification.	85	m ²	.....	.....
Sub Total for Painting Carried to Summary					.....
	1D - METAL WORK				
	<i>Aluminium extrusion should be manufactured under the certification of ISO 9001:2008</i>	Note			
	<i>The work shall include supply, fabricate and installation of doors, windows out of Aluminium Sections. All extrusion shall be of AlMgSi Alloy designation 6060 or 6063 with powder coated surface finish coating thickness 60-80 microns as per the respective drawings and specifications.</i>	Note			
	<i>Tolerance for thickness of the section is ± 10% from the specific thickness given in the manufactures made.</i>	Note			
	<i>Concealed screws, nuts, bolts, rivets and other fastening devices shall be of Aluminium, non magnetic stainless steel or other approved corrosive resistant materials. If visible, they shall blend with the finish of the framing Aluminium Sections.</i>	Note			
	<i>For each fabrications, a shop drawing shall be furnished to the Engineer, One month prior to the installation commencement and should get the approval for the same.</i>	Note			

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<p><i>Samples of hinges , Aluminium sections, Al composite boards etc shall be forwarded by the contractor for prior approval of the Engineer.</i></p> <p><i>The fabrication and installation of all aluminium work must be carried out by specialist tradesman.</i></p> <p><i>It shall be bidder's responsibility to check the sizes of all openings on site, prior to fabrication.</i></p> <p><i>Supply, assemble and fix in position aluminium framed glazed aluminium sash door, window, fanlight, partition units complete with sealant glazing screwed beadings, locks, fasteners, gasket, hardware and fittings all complete as per detail drawing.</i></p> <p><i>Rate shall include for testing for Hardness, profile thickness, coating thickness of Aluminium extrusions</i></p> <p><i>Following test shall be carried out on Engineer's request</i></p> <p><i>a) For base material</i></p> <p><i>1) Hardness Test</i></p> <p><i>2) Tensile Strength Test</i></p> <p><i>3) Spectrometer Test</i></p> <p><i>4) Thickness of extrusions</i></p> <p><i>b) For the power coated</i></p> <p><i>1) Visual Comparison Test</i></p> <p><i>2) Glossness Test</i></p> <p><i>3) Test for thickness of coat</i></p> <p><i>4) Bending Test</i></p> <p><i>5) Cross Hatch Test</i></p> <p><i>6) Cupping Test</i></p> <p><i>Details of Aluminium Sections and accessories to be used if not specified separately.</i></p> <p><u>General</u></p> <p><i>Screws - Stainless Steel</i></p> <p><i>Rubber Beading - EPDM "Sunplast" or equivalent</i></p> <p><i>Silicon - "dow coningboss" or equivalent as approved by the Engineer</i></p>	<p><i>Note</i></p> <p><i>Note</i></p> <p><i>Note</i></p> <p><i>Note</i></p> <p><i>Note</i></p> <p><i>Note</i></p>			

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<p>for frame: (a) Single sashed/ double sash single swing - 1.5mm mm thick 76x45/35mm section with built door stopper</p> <p>for Sash Doors - width of Top bar-80mm width of Middle bar-100mm width of Bottom bar-120mm module depth 45mm</p> <p>Panel - 4mm thick both side coated Aluminium composite board</p> <p>lock (if not separately specified) -VVP or equivalent with duplicate keys</p> <p>Butt Hinges - 03 nos Stainless Steel (304) butt hinges to be provided for a door sash if not separately specified</p> <p>Bar Hinge - 300mm Stainless Steel (304) bar hinges one pair for out sash.</p> <p>Door handle - powder coated standard aluminium door handle (300mm long) to be provided if not separately specified</p> <p><u>Doors</u></p> <p><u>Aluminium Doors</u></p>				
1D-1	<p>Supplying all materials, fabricating and fixing of Door Type D1, size 500mm x 1800mm, powder coated Aluminium framed fully panelled , single swing type single sash door as shown in the Drawing including all approved iron mongery (Door handle & door closer paid separately)</p> <p><u>Accessoires</u></p>	1	nr	.....	.....
1D-2	<p>Supplying and fixing of 300mm size Stainless Steel (304) "Lightly bend type" Door handle (pair) made of 1.5mm thick 25mm dia. polished stainless steel tubes with all accessories. (CASA/ VVP or equivalent)</p>	1	Pair	.....	.....

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
1D-3	Supply of imported , heavy duty door closer of approved quality ('New Star' or equivalent with one year guarantee) and fixing to door including all connecting works and making good after completion.	1	nr	.....	.....
Sub Total for Metal Work Carried Summary					.....
1E-4	1E - SUSPENDED CEILING Supplying & installing of suspended Gypsum ceiling in 600mm x 600mm grid size using hot dipped GI pre - engineered inter - locking main tees (32mm x 24mm) and cross tees (25mm x 24mm) and wall angles expose areas finished with Grey baked enamel finish and suspended on 4mm dia. adjustable hanger rods with spring clips. Ceiling panels will be SCG Elephant Gypsum Standard tiles 600mm x 600mm x 9mm (thickness) and complete to working order as per manufacture's specifications.	32	m ²	.....	.....
	Sub Total of Suspended Ceiling Carried to Summary				.....
	1F - ROOF STRUCTURE, ROOF COVERING & ROOF PLUMBING <i>All steel used in the work shall comply with the relevant British Standards and to the specifications.</i> <i>All steel shall be new and each member shall be free from any built- weld or other forms of splice for the full length between joints shown in or indicated in the drawings unless such splice shall have been shown in the approved drawings.</i> <i>The Bidder shall submit the specification for the steel which he proposed to use and obtain prior approval from the Engineer before commencement of ordering of steel and fabrication.</i>	Note Note Note			

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<p>Drawings Before any steel work is fabricated the contractor shall obtain the Engineer's approval of the proposed details of fabrications. For this purpose, two copies of each drawings shall be submitted to the Engineer not less than 14 days before commencement of fabrication.</p> <p>Inspections All steel work shall be subjected for inspection by the Engineer. The steel works shall not be moved from the place of fabrication nor primed or painted until the approval of the Engineer has been obtained for the fabrication of steel work.</p> <p>Welding No welding shall be done until approval of the prepared surface has been obtained. All welding shall be carried out under the supervision of qualified persons.</p> <p>Base plate, Sole plate, gussets plate, splice etc. have not been measured separately but the weights of such attachments have been included in weight of respective items indicated in item description.</p> <p>Refer drawings for fabrication and fixing details of trusses, purlin etc.</p> <p>Rate shall include for all necessary cuttings, drillings, bolting, reverting, welding, grinding, delivering, unloading, hoisting, erecting and fixing in position, levelling, plumbing and submission and getting approval of all shop drawings.</p> <p>Roofing Material Shall conform to the following standards and Codes of Practice where applicable</p> <p>a) ASTM A792/A729M Standard specification for Zinc aluminum alloy coated steel roofing sheets by the hot dip process</p> <p>b) ASTM A755/A755M Standard specification for steel metallic coated by the hot dip process & pre-painted by the coil coating process for exterior exposed building product</p>	Note			
		Note			
		Note			
		Note			
		Note			
		Note			

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<p>c) AS1397 Requirements for base metal continuously hot dip metallic coated sheet steel & strip</p> <p>d) ASTM E 108 standard test method for fire test of Roof Covering.</p> <p>e) UL 1897 and UL 580 Wind up lift resistance of roof covering system</p> <p>Roofing Fasteners Shall conform to the following standards and Codes of Practice ASTM F1136/ F1136M Standard specification for Zn/Al corrosion protective coatings for Fasteners</p> <p>Colour Consistency All roofing sheets shall be in one production batch in order to ensure Colour consistency.</p> <p>Product Certification Submit Test reports of Comprehensive test performed by a qualified independent reputed testing agency certifying that the product complies with the required specification and specified performance requirements. Mill certificates from the roofing plain coil manufacturer.</p> <p>In addition to the above, locally available tests (AZ coating, total thickness of the sheet, coating thickness etc.) shall be carried out by a recognized independent testing body such as ITI or University of Moratuwa with the samples randomly selected from delivery batch.</p> <p>Warranties The Contractor shall provide warranty, jointly and severally liable by the Contractor and manufacturer for performance requirements of materials, manufacturing defects and workmanship for periods as stated below from the date of Employer's taking over of the Works or section.</p> <p>a) Against corrosion perforation-10 years b) Against flake and peel-10 years c) Against excessive colour fading and chalking-10 years</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	Roof Structure				
1F-1	Supplying and fixing of 152mm x 64mm x 17mm (16 kg/m) "I" section rafters for roof as per the drawing including all necessary accessories. Rate include to applying one coat of Zn phosphate Epoxy primer and 2 coat of Epoxy top coat.	1,121	kg	.....	.....
1F-2	Supplying and fixing of 203mm x 133mm x 25mm (25.1kg/m) "I" section for columns and roof level beams with all necessary accessories. Rate include to applying one coat of Zn phosphate Epoxy primer and 2 coat of Epoxy top coat.	1,309	kg	.....	.....
1F-3	Supplying and fixing 150mm x 65mm x 20mm x 2.3mm lipped channel purlins with all necessary accessories.	214	m	.....	.....
	Roof Covering				
1F-4	Supplying and fixing of 4mm solid polycarbonate roofing sheets on purlings with ridge cap, necessary fasteners and other fixing arrangements. Rate including fixing ridge/Hip and other necessary accessories.	202	m ²	.....	.....
1F-5	Supplying and fixing of 0.47mm thick, 450mm (approximately) high Zinc aluminium alloy coated colour bonded valance board to the new roof and 25mm x 25mm x 5mm angle iron and necessary nut and bolt.	57	m	.....	.....
1F-6	Supplying and fixing of 0.47mm thick, 490mm girth (approximately) high Zinc aluminium alloy coated colour bonded flashing.	3.0	m	.....	.....

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	Roof Plumbing <i>Zn/Al coated steel sheets used for gutters, down pipes etc., should have; Base material thickness - 0.47mm Minimum Yield Strength of the Base Material - 550N/mm2 Coating Mass (g /m2) - AZ 150 Material - 55% Aluminium, 43.5% Zinc, 1.5% silicon Alloy coated Hi- tensile steel</i>	Note			
1F-7	Supplying and fixing roof gutter , Girth size 600mm, complete with stop end plates, pop rivot, etc. All joints to be properly connected with adequate laps not less than 150mm length and with sealant to ensure water tightness along the entire length of the gutter and including compatible galvanized gutter brackets at 450mm centers with an adequate slope as directed and fix in position.	57	m	.....	.....
1F-8	Supplying and fixing square shape down pipes of size 150x150mm, gutter complete with necessary nozzle, offset, bend down pipes, shoe, down pipe bracket, etc.. All joints to be properly connected and with sealant to ensure water tightness along the entire length. Down pipe brackets shall be provided at every 1.0 m interval.	34	m	.....	.....
Sub Total for Roof Structure & Roof Covering Carried to Sub Summary of Bill No. 01					.....
	1G - EXTERNAL WORKS <u>Removable Grating For Surface Drain</u>				
1G-1	Supplying & fixing iron grating for surface drain consists of outer angle iron 65mm x 65mm x 6mm thick welded to top angle iron 25mm x 25mm x 5mm thick @ 900mm c/c horizontally and 16mm dia. tor steel at 25mm internal to internal welded to top of angle iron 25mm x 25mm x 5mm thick. Rate shall include for applying two coats of anti-corrosive paint.	14	m ²	.....	.....
Sub Total for External Works Carried to Summary					.....

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	1H - MISCELLANEOUS WORKS				
	<u>Aluminium Box Section Panel</u>				
1H-1	Supplying materials, fabricating & fixing of 150mm x 50mm powder coated Aluminium box section panel (100mm intervals) behind the counter as per drawings.	47	m ²	.....	.....
	<u>Louver Panels</u>				
1H-2	Supplying all materials, fabricating and fixing of powder coated aluminium framed louver panels between columns as shown in the drawing including all approved iron mongery. Louver shall be separated in to 750mm panels as directed.	42	m ²	.....	.....
1H-3	Supplying all materials, fabricating and fixing of powder coated aluminium framed extra louver panel (height 450mm) for purling fixing by using 50mm x 50mm, 3mm thick GI Box bar including all approved iron mongery. Louver shall be separated in to 750mm panels as directed. Rate include to applying one coat of Zn phosphate Epoxy primer and 2 coat of Epoxy top coat for GI Box bar.	25	m ²	.....	.....
1H-4	Allow provisional sum for supplying and fixing of Stainless Steel (S/S 304) letters and logo on Aluminium box section panel as directed.		Pro. Sum		300,000.00
1H-5	Allow provisional sum for supply and fixing of precast concrete flower troughs on cover slabs as dired by the engineer.		Pro. Sum		200,000.00
1H-6	Supply and Installation of reception counter using 12mm thick and 18mm thick eco boards with gray colour auto paint finish and 8mm thick acrelic board with internal light system including all necessary socket outlets and other necessary accessories fixed on the suitable frame work. (Shop drawing shall be submitted for prior approval). Rate shall include for 500mm x 850mm locable and movable drawers as directed.	10	m	.....	.....

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
1H-7	Allow Provisional Sum for supply & fixing of canopy over counters including steel cables as per drawing.		Pro. Sum		250,000.00
1H-8	Allow provisional sum for network system as directed.		Pro. Sum		300,000.00
	Sub Total for Miscellaneous Carried to Summary				*****
	<p>1J - ELECTRICAL WORKS</p> <p>ELECTRICAL INSTALLATION</p> <p>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.</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>				

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<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>All panel boards and consumer units should have wire numbering and a laminated circuit diagram should be pasted on the inside surface of the door.</p> <p><u>Modification of DB at OPD</u></p>				
1J-1	<p>Relevant work to Modification of Existing Consumer DB at OPD to install 2 Nos 10A 1p MCB and 3 Nos 16A 1p MCB for Proposed light and Socket</p> <p><u>Socket Outlets and Isolator</u></p> <p><u>13A Socket outlets (Raw power)</u></p>		Pro. Sum		25,000.00
1J-2	<p>Supplying, installation of white colour 13A socket outlets on brick wall / partition wall /soffit / wall trunking with necessary accessories.</p> <p><u>Socket Outlet Wiring</u></p> <p><u>13A Socket Outlet Wiring</u></p>	8	nr	.....	.....
1J-3	<p>Wiring (including supply of all material required) of 13A socket outlets using approved type 2.5 mm² Cu/PVC/PVC, 2x1C cable & 2.5 mm² earth cable drawn through securely fixed concealed/Surface PVC conduit / PVC casing. (Radial circuit)</p> <p><u>Light Fittings</u></p> <p>Supply and installation of the following light fittings. Light fittings shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to purchase. Accessories shall comply with relevant BS/IEC standards and Japanese/European or Sri Lankan make.</p>	8	nr	.....	.....
		Note			

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
1J-4	LED lights shall have a minimum of 30,000hrs Average lifetime (burning hours) and shall be purchased from a reputed supplier. A manufacturing warranty requires more than three years.	Note			
	LED Light fitting shall be considered defective and needs replacement if the lumen output of the luminaire drops to 70% of its nominal output value or flicker condition.	Note			
	LED lamps shall be consistent with constant current integrated type driver. Minimum efficacy of LED light: 100lm/W	Note			
	All the accessories shall comply with the relevant British / IEC standards.	Note			
	Supply and installation of surface-mounte light fittings with powder-coated white sheet steel or Polycarbonate housing (colour designation cool white), and PVC housing. The lumen output of the fitting shall be more than equal to 800 lumens. THD value < 10%, Colour temperature 3000K and CRI shall be > 80. Fitting and accessories of Japanese or European origin.	12	nr	.....	.....
1J-5	<u>Light Point Wiring</u> Wiring (including supply of all material, earth wire & switch) of the light point from the respective Consumer Unit, using 2 x 1.5sq.mm Cu PVC/PVC 1C cables & 2.5sq.mm earth wire drawn through securely fixed PVC conduits/pvc casing.	12	nr	.....	.....
1J-6	<u>Removing of existing electrical items</u> Remove all existing wiring, switches, sockets, light fixtures, circuit breakers, junction boxes, conduits, and cables. Prepare an inventory list of all removed items. Handover all items to the client with the inventory list.		Pro. Sum		15,000.00
1J-7	<u>Inspection and Testing : Electrical installation</u> Testing the installation and rectify any defects and submit a certificate by a Chartered Electrical Engineer.	1	Item	.....	.....
1J-8	<u>AS Built Drawings</u> Provide 3 sets of hard copy and 1 set of soft Lot copy of As Built drawings	1	Item	.....	.....
	<i>Sub Total for Electrical Installation Carried to Summary</i>				.....