

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF HEALTH, NUTRITION & INDIGENOUS MEDICINE

TEACHING HOSPITAL, PERADENIYA

EXPANSION OF WARD NO.07 & 08 AT TEACHING HOSPITAL, PERADENIYA

BIDDING DOCUMENT

CONTRACT NO:

Volume I - (Retain by the Bidder)

Section 01 – Instructions to Bidders

Section 02 – Bidding Data

Section 03 – Conditions of Contract

Section 04 – Contract Data

Section 05 – Standard Forms (Contract)

Volume II – (For the use as “Original” document to submit)

Invitation for Bid

Section 02 – Bidding Data

Section 04 – Contract Data

Section 06 – Specifications (Attached as Annexure I)

Section 07 – Form of Bid

Section 08 – Bills of Quantities

Section 09 – Schedules

Section 10 – List of Drawings (Attached as Annexure II)

Section 11 – Standard Forms (Bid)

Volume III – (For the use as “Duplicate Copy” to submit)

Section 07 – Form of Bid

Section 08 – Bills of Quantities

Section 09 – Schedules

CONSULTANT

CENTRAL ENGINEERING CONSULTANCY BUREAU
No. 415,
BAUDDHALOKA MAWATHA
COLOMBO 07

CLIENT

MINISTRY OF HEALTH, NUTRITION & INDIGENOUS
MEDICINE
“ SUWASIRIPAYA “,
385, REV BADDEGAMA WIMLAWANSA THERO
MAWATHA
COLOMBO 10

FEBRUARY 2025

CONTENTS

	Page
Section 7 : FORM OF BID	3-4
Section 8 : BILL OF QUANTITIES	5
• Bill of Quantities	6-29
Section 9 : SCHEDULES	30-41

SECTION -07
FORM OF BID

FORM OF BID

NAME OF CONTRACT: EXPANSION OF WARD NO.07 & 08 AT TEACHING HOSPITAL, PERADENIYA

CONTRACT NO :

To: Director,
Teaching Hospital
Peradeniya

Gentlemen:

1. Having examined the Standard Bidding Document - Procurement of Works – Major Contracts [ICTAD/SBD/02 - Second Edition, January 2007], Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bills of Quantities and addenda for the sum of Sri Lankan Rupees
(LKR) or such other sums as may be ascertained in accordance with the said Conditions.
2. We acknowledge that the Contract Data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer’s notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid until the date specified in ITB Clause 16 , 2025.06.05 and it shall remain binding upon us and may be accepted at any time before that date.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us.
6. We understand that you are not bound to accept the lowest or any bid you may receive.
7. We certify/confirm that we comply with the eligibility requirements as per ITB Clause 3 of the bidding documents.

Dated this day of.....

Signature in the capacity of

duly authorized to sign bids for and on behalf of

[in block capitals or typed]

Address:

Witness:

SECTION – 8
BILL OF QUANTITIES

EXPANSION OF WARD 7 AND 8
GENERAL HOSPITAL (TEACHING) - PERADENIYA
BILL OF QUANTITY
MAIN SUMMARY

BILL NO.	DESCRIPTION	AMOUNT	
		Rs	Cts
1	Preliminaries		
2	Stage I		
3	Stage II		
4	Electrical Works		
(a)	Sub Total I		
(b)	Ddt: Provisional Sum from (a)		7,305,000.00
(c)	Sub Total II (a+b)		
(d)	Ddt :% Discount from (c)		
(e)	Sub Total III (c-d)		
(f)	Add: Provisional Sum		7,305,000.00
(g)	Total amount carried to form of Bid (Excluding VAT) (e+f)		
(h)	Add : 18% VAT		
(j)	Total Amount with VAT		

Total amount carried to Form of bid in words Rupees (without VAT)

.....

Signature of the Contractor

Witness :-

Address :-

Address :-

Date :-

Date :-

**EXPANSION OF WARD 7 AND 8
GENERAL HOSPITAL (TEACHING) - PERADENIYA**

BILL OF QUANTITY

BILL NO 01- PRELIMINARIES

Note:

- 1 **The Engineer/ Consultant may modify or amended any item , or delete inappropriate item/s or add new item/s , depending on the nature of the proposed work.**
- 2 **Mode of payment are as below.**

Mode of Payment	Category
Reimbursement of actual cost on submission of the relevant document acceptable to the Engineer plus 5% of the actual cost of obtaining the insurance policies and securities.	A
60% on completion of temporary buildings or structures. 30% in equal installments over the contract period and balance 10% on dismantling and removal on completion.	C
Paid on satisfactory completion of the item	D
In equal installments over the contract period.	E
Mode of payment to be mutually agreed between contractor and the employer at the commencement of contract in relation to the program of work.	F
On the completion of work	G

- 3 **The above recommended percentage may be adjusted by the Employer/Consultant to suit the particular project.**
- 4 **The tenderer is advised to visit the site of the proposed work, as it is his responsibility to ascertain the conditions, space governing access to the site, external working space, storage area, status of the adjoining properties etc.**

Item	Description	Mode of payment Category	Unit	Amount Rs. Cts.
	<u>A - PRELIMINARIES</u> Insurance & Securities			
1A1	Provisional Sum for providing a Performance Security	A	P.S	160,000.00
1A2	Provisional Sum for providing an Advance Payment Security	A	P.S	630,000.00
1A3	Provisional Sum for insurance of Works, Machinery & Equipment, Plant, Materials, third party persons & property at site as per the Contract. (All Risk Policy)	A	P.S	210,000.00
1A4	Provisional Sum for insurance against accidents and injury to Contractor's personel as per the Contract. (Workmen Compensation)	A	P.S	105,000.00

Item	Description	Mode of payment Category	Unit	Amount Rs. Cts.
1A5	<p>Contractor's Facilities</p> <p>Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, a <u>temporary site office</u> of adequate size including staff rest room and toilets and other facilities for the Contractor's site management staff in accordance with the plans prepared by the Contractor and concurred by the Engineer.</p>	C	Item	
1A6	<p>Setting Out</p> <p>Setting out of Works in accordance with drawings and other written information given by the Engineer</p>	F	Item	
1A7	<p>Quality, Standars and Progress</p> <p>Allow lump sum for provision of progress reports including photographic records and other schedules included in the ICTAD publication - Guidelines for Effective Constrution Management. (ICTAD/CM/01), relevant to contract administration as directed by the Engineer.</p>	E	Item	
1A8	<p>Allow lump sum for all cost in connection with preparing samples for testing, making arrangements for testing of Materials, Goods etc, as stipulated in the specification, obtaining test reports and submitting the same to the Engineer.</p>	E	Item	
1A9	<p>Allow lump sum for provision of shop drawings, bar schedules etc. for Engineer's approval.</p>	E	Item	
1A10	<p>Allow lump sum for provision of 3 sets of (Hard copies and soft copies) as built drawings of all services, for Engineer's approval.</p>	D	Item	
1A11	<p>Health, Safety & Environment</p> <p>Allow lump sum for providing and maintaining a first aid box and regular supply of medicine, linen etc.</p>	E	Item	
1A12	<p>Allow lump sum for providing all necessary safety measures to workmen at site conforming to the latest industrial safety regulations and as directed by the Engineer.</p>	E	Item	

Item	Description	Mode of payment Category	Unit	Amount Rs. Cts.
1A13	Allow lump sum for demobilization, removal of all rubbish, debris and clearing up site on completion, leaving all in good order and handing over.	G	Item	
1A14	<p>Security and Protection</p> <p>Allow lump sum for employing an adequate number of security personnel and security systems on full time basis throughout the period of construction, and provide for necessary security lighting and warning system</p> <p>Services & Facilities</p>	E	Item	
1A15	Allow lump sum for supply of water for the works and paying all charges and other expenses in connection with the supply from water mains or any other alternative method of water supply, storage and reticulation.	E	L. Sum	
	Sub Total Bill No 01 carried to Grand Summary			1,105,000.00

EXPANSION OF WARD 7 AND 8
GENERAL HOSPITAL (TEACHING) - PERADENIYA
SUB SUMMARY
BILL 02 : STAGE I

ITEM	DESCRIPTION	AMOUNT	
		Rs.	Cts.
A	Demolisher		
B	Concreter		
C	Brick & Block Work		
D	Plasterer		
E	Painter & Decorator		
F	Pavior		
G	Aluminium Works		
H	Plumber		
J	Miscellaneous		
	Sub Total Bill No 02 carried to Grand Summary		

**EXPANSION OF WARD 7 AND 8
GENERAL HOSPITAL (TEACHING) - PERADENIYA**

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1A	<u>DEMOLISHER</u>				
1A1	Removing eaves gutter from roof of two storied buildings and stacking as directed.	m	100.00		
1A2	Removal of old or decayed, 100mm to 150mm dia. GI down pipes, from existing buildings and clearing debris away.	m	200.00		
1A3	Removing valance/ barge boarding, stacking materials and clearing debris as directed in two storied buildings. Includes scaffolding and safety measures... etc.	m	300.00		
1A4	Removal of corrugated asbestos sheets from roof of two storied buildings and stacked. (Removal of frame work paid separately.)	m ²	1,500.00		
1A5	Removal of Timber from roof and stacking serviceable material at ground handing over to client and clearing debris in two storied building. Rate to include for scaffoldings and required safety precautions.	m ²	1,500.00		
1A6	Demolition and removing of reinforced concrete (100mm thick) in roof or floor slabs and debris cleared away (first floor level)	m ³	3.00		
1A7	Cutting and removing of reinforced concrete (100mm thick) in roof or floor slabs and debris cleared away (second floor level)	m ³	3.00		
1A8	Allow for clearing away debris from the hospital premises and unforeseen works.	P/S			200,000.00
	Sub Total carried to Summary				
1B	<u>CONCRETER</u>				
	<i>Unless otherwise stated all concrete shall be of grade as per Specifications/Drawings.</i>	Note			
	<i>Rates for concrete shall include for forming construction joints, expansion joints or contraction joints as necessary.</i>	Note			
	<i>Concrete will be measured as the net area/volume, as shown on the drawings.</i>	Note			

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
	<p><i>Rate for concrete shall include for :</i></p> <p><i>supply, handling at site, mixing, depositing, compacting, vibrating, curing and making good after removal of formwork.</i></p> <p><i>preparation of surfaces, roughening/chipping to the approval of the Engineer.</i></p> <p><i>Reinforcement and Formwork paid separately unless specified in the Item.</i></p> <p><i>Rate shall include for necessary tests including cube tests as per the BS 1881 and SCA/4/1.</i></p> <p><i>Rate for formwork shall include for all necessary boarding, supports, erecting, framing, cutting angles, cleaning, apply approved foam oil, wetting before placing concrete, removal etc.</i></p> <p><i>Formwork is measured as the net contact surface measurement between formwork and concrete.</i></p> <p><i>Film coated Plywood or other equivalent quality approved type of shuttering should be used. Mould oil should be applied to formwork surfaces before using.</i></p> <p><i>Rate for form work shall include for all necessary measures to provide fair face finish.</i></p> <p><i>All reinforcement shall be as per relevant British Standards having minimum characteristic strength of 460 N/mm² for High Yield steel and 250 N/mm² for mild steel.</i></p> <p><i>All reinforcement shall be free from mill scale, dirt, oil, paint, grease or loose rust before fixing in position and shall be brushed with a stiff wire brush as directed.</i></p> <p><i>All cement type to be Ordinary Portland Cement (OPC)</i></p> <p><i>Rate for reinforcement shall include for supplying, cleaning, cutting, bending, fabricating, binding, placing in position, binding wires, ties, supporting bars, spaces, chairs, wastage etc.</i></p>	<p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p>			
	Grade 25(20mm) cement concrete				
1B1	Column shafts in second floor	m ³	30		
1B2	Beams in second floor	m ³	75		
1B3	For Staircase including steps, waist, beams and landing.	m ³	7.5		
	<u>Formwork</u>				
1B4	Shuttering by using 12mm thick plywood for column, beams and Staircase including steps, waist, beams and landing. .	m ²	800		

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
	<u>Reinforcement</u>				
	High Yield steel				
1B5	Supplying and BS 4449 high Yield steel bars and laid in positing as reinforcement in beams, columns and staircase with binding wire.	kg	9500		
1B6	Mild steel for Column Shaft and beams	kg	3350		
1B7	225mmX150mm size lintol of 1:2:4 (20mm) cement concrete including formwork and reinforcement	m	100		
1B8	112mmX150mm size lintol of 1:2:4 (20mm) cement concrete including form work and reinforcement	m	75		
	Sub Total carried to Summary				
1C	<u>BRICK & BLOCK WORK</u>				
	<i>Rate shall include for lifting, handling, reveals, raking out all joints for pointing plastering, making good at the completion.</i>	Note			
	<i>Rate shall include for erecting scaffolding and dismantling after completion of work</i>	Note			
1C1	100mm thick Block masonry using Hollow blocks in 1:5 cement and sand mortar.	m ²	320		
1C2	112.5mm thick brick work in 1:5 cement sand mortar.	m ²	100		
	Sub Total carried to Summary				
1D	<u>PLASTERER</u>				
	<i>Rate shall include to</i>				
	<i>(a) Fair joints</i>				
	<i>(b) Outlets, working over and around obstructions, pipes, and the like into recesses and shaped inserts.</i>				
	<i>(c) Bonding agents where included with the work.</i>				
	<i>(d) Patterned work is deemed to included all extra work involved.</i>				
	<i>(e) Bedding mortars</i>				
	<i>(f) Grouting</i>				
	<i>(g) Working over and polishing</i>				
	<i>(h) Plastic corner beadings</i>				
	<i>(j) Supplying and Fixing</i>				

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
	<i>Samples shall be forwarded by the contractor for prior approval of the Engineer.</i>	Note			
	<i>If Contractor proposed to use sea sand for the work, Cost for the following test shall be include for the rates of respective work items;</i>	Note			
	<i>1. tested for Chlorine content in each batch of sea sand brought to site.</i>				
	<i>2. tested for Gradation for each batch of sea sand brought to site</i>				
	<i>3. submit Mix design according to the gradation for our approval (sample is selected by Engineer)</i>				
	<i>Rate to include for scaffolding.</i>	Note			
1D1	15mm thick 1:5 cement and sand plastering finished semi rough for walls.	m ²	325		
1D2	15mm thick 1:5 cement and sand plastering finished smooth with cement based putty (skim coat or equivalent)	m ²	325		
1D3	Ext/Int plastering for 75mm wide reveals and Jams with 15 mm thick 1:1:5 Lime plastering and Finished smooth with lime putty.	m	500		
Sub Total carried to Summary					
1E	<u>PAINTER AND DECORATOR</u>				
	<i>Rate to include for scaffolding.</i>	Note			
1E1	Applying two coats of filler using brush or roller.	m ²	650		
1E2	Leveling the wall surface by using filler & trawl.	m ²	250		
1E3	Preparing surface and applying two coats of emulsion paint to internal walls.	m ²	325		
1E4	Preparing surface and applying two coats weather shield paint.	m ²	325		
1E5	Polyurethane varnish, applying two coats after sandpapering and cleaning surface .	m ²	50		
1E6	Water proofing treatment with Liquid applied single component elastomeric water proofing membrane (Nit proof 600 or equivalent) material should be carried out strictly in accordance with the manufactures' instruction to suit with the type of structure and the location for roof slab and gutters. Protective rendering/concreting paid separately. barralastic. 10 years warranty certificate should be submitted	m ²	1500		
Sub Total carried to Summary					

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1F	<p><u>PAVIOR</u> <i>Rate shall include to,</i> (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</p> <p>Floor Tiling <i>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.</i> <i>cut pieces of tiles smaller than half of a tile shall not be used.</i> <i>Floor tiles shall be homogeneous, locally manufactured, non skid ceramic type and approved colour by the Engineer.</i> <i>Water absorption of floor tiles should be less than 0.5% and Modulus of rupture to be over 27N/mm².</i></p>	<p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p>			
1F1	Supplying and fixing 600mm x 600mm locally manufactured Homogeneous Vitreous Porcelain matt finished floor tiles to floors including 20mm thick 1:3 cement sand bedding and finished with tile grout to match the tile. (thickness of tile not less than 10mm)	m ²	920		
1F2	100mm high skirting by supplying and fixing 600mm x 600mm locally manufactured Homogeneous Vitreous Porcelain matt finished floor tiles including 20mm thick 1:3 cement sand bedding and finished with tile grout to match the tile.	m	260		
1F3	Supplying and fixing of 300mm x 600mm size, locally manufactured glazed tiles white with all specials to walls including raking plaster and bedding in 12mm thick 1:3 cement mortar joints shall be filled with tile grout.(thickness of tile not less than 10mm)	m ²	200		

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1F4	Supplying and laying of locally manufactured matt homogeneous porcelain step edge floor tiles size 300mm x 600mm bedding on 12mm thick, 1:3 cement rendering finished with colour grout to match to staircase.	m ²	15		
Sub Total carried to Summary					
1G	<p><u>ALUMINIUM WORKS</u></p> <p><i>Aluminium extrusion should be manufactured under the certification of ISO 9001:2008</i></p> <p><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></p> <p><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></p> <p><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></p> <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>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p>			
1G1	Supply all material, fabricate & fixing fully paneled door (for toilets) 25mmX75mm Box Bars Sections, "U" Bars & Paneling with 4mm thick both side coated Aluminium Composite Boards. Rate include of fixing of indicator type keyless door lock.	m ²	35		

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1G2	Supplying all materials, fabricating and fixing powder coated coloured glazed and paneled, single swing type single sash door , framed with 76mm wide, 1.2mm thick shop front section and door sash with top bar-80mm, middle-100mm, bottom-120mm and glazing with 6mm thick clear glasses and paneling of 4mm thick composite sheets. Rate to include for necessary rubber beadings, wool felts, mortice type door lock with duplicate keys, Stainless Steel hinges, Door handle, door locks and other necessary accessories. Shop drawing should be provided prior to fabrication.	m ²	25		
1G3	Supplying all materials, fabricating and fixing of powder coated fully paneled, single swing type double sash door , framed with 76mm wide, 1.2mm thick shop front section and door sash with top bar-80mm, middle-100mm, bottom-120mm and paneling with 4mm thick Aluminium Composite sheets for both sides. Rate to include for necessary rubber beadings, wool felts, mortice type door lock with duplicate keys, Stainless Steel hinges, door handle and other necessary accessories. Shop drawing should be provided prior to fabrication.	m ²	10		
1G4	Supplying all materials, fabricating and fixing of 41 mm wide powder coated Aluminium framed side hung type glazed window, glazing with 5mm thick clear glasses. Rate to include for necessary 304 Stainless Steel hinges, stays, window locks, rubber beadings and other necessary accessories. Shop drawing should be provided prior to fabrication.	m ²	200		
1G5	Fabrication and fixing of Welded Diamond shaped Iron grill consisting 6mmX20mm flat iron or 25mmX25mmX3mm angle iron frame, 6mm mild steel rods at 75mm centers to form 75mm 150mm diamond shaped grill. Rate includes screws and application of one coat of anticorrosive paint and two coat of enamel paint. (Based on 580mmX1000mm area)	m ²	200		
	Sub Total carried to Summary				

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1H	<p>PLUMBER <i>Supply and installation of approved quality sanitary appliances with pipe specials, fittings, and special connecting to water supply, sewage and wastewater disposal pipes.</i></p> <p>Unless otherwise measured separately, Rates shall include for:</p> <p>(a) <i>Fittings such as taps, wastewater outlets, internal overflows etc. and supporting brackets, incidental materials for fixing.</i></p> <p>(b) <i>Assembling, jointing together fixing components parts, and jointing to pipes including necessary coupling and for leaving perfectly clean and in perfect working order as on completion.</i></p> <p>(c) <i>all necessary fixtures for sanitary fittings and special connection to water supply, wastewater and sewer lines</i></p> <p>(d) <i>Jointing and connection pipes to sanitary fittings.</i></p> <p>(e) <i>Testing and commissioning of the installation.</i></p> <p>(f) <i>Making good the work disturbed.</i></p> <p>(g) <i>Protecting the works</i></p> <p>(h) <i>All Samples should be approved by the Engineer</i></p> <p>(j) Sanitary fitting should be American standard or approved equivalent</p> <p>(k) <i>Magic bend / flexible conduits for waste water line is not allowed.</i></p>	Note			
1H1	Supplying and fixing Brass, Chromium Plated 12mm Dia Bib tap - (European or Equivalent Quality)	nr	20		
1H2	Supplying & fixing pedestal type wash basin with waste plug, bottle trap, flexible hose & other accessories (American/European Standard or approved equivalent as approved by the Engineer).	nr	8		
1H3	Supply and fixing Pedestal type Closed Couple Water Closet with dual flush 6/4.5 liter capacity cistern with PVC flexible hose in all toilets. Rate to include for necessary fixtures and special connection to water supply line and sewer lines.. (American/European Standard).	nr	8		

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1H4	Supply and fixing Ceramic squatting pan , inbuilt foot rest Water Closet with 6 liter capacity plastic high level cistern. (1800mm height) and trap - (European or Equivalent Quality)	nr	10		
1H5	Supply and fixing Stainless steel Chromium Plated high quality hand Bidet set with hand spray 1.2m shower hose and wall bracket.(European Standard or equivalent quality as approved by the Engineer).	nr	20		
1H6	Supply and fixing Stainless steel hand shower with stainless steel flexible hose. (Medium Quality (Malaysian, Indian or Equivalent Quality)	nr	8		
1H7	Supply and fixing of plain glass mirror approximate size of 650*450mm with clips, plugs or relevant fixing materials. (Medium Quality - Malaysian, Indian or Equivalent Quality)	nr	8		
1H8	Supply and fixing 20mm dia. Brass, Chromium Plated overhead shower rose (Approx.. 150mm dia.) with Brass, Chromium Plated arm (Approx.. 400mm length), (European or Equivalent Quality)	nr	8		
1H9	Supply and fixing of stainless steel wired Soap dish. (medium Quality -Malaysian, Indian or Equivalent Quality)	nr	20		
1H10	Supply and fixing Stainless steel towel rail Approx.. 600mm long. (European or Equivalent Quality)	nr	24		
1H11	Supply and fixing Brass, Chromium Plated 12mm Dia Pillar tap - (European or Equivalent Quality)	nr	15		
1H12	Supplying and Fixing of Stainless steel sink (450x325x200mm size) with waste ,waste cap & all necessary materials to complete satisfaction.	nr	4		
1H13	Supplying and fixing Plastic - 12mm Dia Angle valve.	nr	36		
1H14	Supply and fix concealed valve-Brass Chromium Plated 12mm Dia (European or Equivalent)	nr	10		
1H15	Supplying and fixing of Type 1000 uPVC 20mm Pipes including specials and fittings.	m	75		

Bill No. 02 : Stage I

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1H16	Supplying and fixing of Type 600 uPVC 40mm Pipes including specials and fittings.	m	25		
1H17	Supplying and fixing of Type 600 uPVC 50mm Pipes including specials and fittings.	m	40		
1H18	Supplying and fixing of Type 600 uPVC 63mm Pipes including specials and fittings.	m	25		
1H19	Supplying and fixing of Type 600 uPVC 110mm Pipes including specials and fittings.	m	70		
1H20	1000mm x 700mm manhole 600mm to 1200mm deep, constructed with 225mm brick in 1:3 cement mortar and 12mm cement rendered walls and 150mm thick 1:3:6(25mm)concrete foundation. Rate to include forming of channels.	nr	4		
1H21	Supplying and fixing of gully box with stainless steel cover.	nr	20		
1H22	Supplying and fixing of 600mmX600mm rectangular C.I. Manhole cover.	nr	4		
	Sub Total carried to Summary				
1J	<u>MISCELLANEOUS</u>				
1J1	225mmX20mm thick timber wall guard using Mahogany or Kempus (more than 7m)	m	170		
1J3	Chemical Anchoring to existing columns by 4T16 and 4T12 for one column. (52 nr of Column)	nr	416		
1J4	Supply, fabricating and fixing of stainless steel hand rail.	m	40		
1J5	Supplying and fixing of safety net, scaffolding works.	P.S.			5,000,000.00
1J6	Allow for fixing temporary dust cover, and other unforeseen work during estimating phase witch may occure during construction period.	P.S			500,000.00
	Sub Total carried to Summary				

**EXPANSION OF WARD 7 AND 8
GENERAL HOSPITAL (TEACHING) - PERADENIYA**

SUB SUMMARY

BILL 03 : STAGE II

ITEM	DESCRIPTION	AMOUNT	
		Rs.	Cts.
A	Structural Steel		
B	Roofer & Roof Plumber		
	Sub Total Bill No 03 carried to Grand Summary		

EXPANSION OF WARD 7 AND 8
GENERAL HOSPITAL (TEACHING) - PERADENIYA

Bill No. 03 : Stage II

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
2A	<p><u>STRUCTURAL STEEL</u></p> <p>"Welding " is deemed to be in accordance with the specification and for the material to which it is to be use.Gusset plates, shoe plates, ends, caps, cleats, brackets, stiffeners, bolts, etc., have been included to the rate of the associated steel works.</p> <p>For the description of materials and workmanship refer to "Specification of works", "Preambles" and " Drawings"</p> <p><u>Rate shall include for</u></p> <p>All shop fabrication work, marking, delivery, unloading, hoisting, erecting and fixing as per detail drawings.</p> <p>All welds are 6mm thick fillet weld & allowance for rolling margin</p> <p>The weight of weld metal in welded constructions</p> <p>Cutting to size and shape and joints in the running length</p> <p>Grinding to a smooth finish, unless otherwise required</p> <p>Machine drilled bolt holes, bolts, nut and washers, cleats, shoe and gusset plates and all other connections.</p> <p>After fabrication wire brushed to clean the all steel surfaces and spray painted with two coats of quick drying metal primer zinc phosphate & two coats of enamel paint</p>				
2A1	Supply, fixing of 200x 100x 22.4 kg/m sized "I " sectioned steel rafters ,ridge complete with all the required paint works and all necessary supports.	t	11.50		
2A2	supply, fixing of 150 x 65 x 2mm thick lipped channel and complete with all the required paint works and all necessary supports including cleat.	m	1300		
	Sub Total carried to Summary				

Bill No. 03 : Stage II

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
2B	<p><u>ROOFER AND ROOF PLUMBER</u> <u>Zinc Aluminium coated profiled steel sheets (Roofing Sheets, Valance board, gutters, down pipe,and all other Zn/Al profiled material)</u> <u>Material shall be done in accordance with ASTM A792M</u> <u>Coating mass is AZ150 (Minimum 150 gms/sq.m total on both sides) Zinc Alum profile roofing sheet.</u> <u>The nominal base metal thickness (BMT) should be 0.42 mm and total coated thickness (TCT) not less than 0.47 mm. HI-Tensile steel with minimum 550 Mpa yield strength, metallic hot dip coated Aluminium-Zinc Alloy (55% Aluminium, 43.5% Zinc, 1.5% Silicon)</u> <u>The minimum rib size is 28 mm</u></p>	Note			
2B1	<p><u>Fasteners must comply with Australian Standard AS 3566 Class 4 for outdoor use. For maximum water tightness, always position roof screws through the crests. For walling, you may use Either crest or valley fixing.</u></p> <p>Supply and Fixing 50mm thick sandwich pannel roofing sheets with self drilling screws (fastners) on existing frame work(frame work measured seperately)hip roof (sheet thikness top -0.4mm bottom - 0.35).</p>	m ²	1450		
2B2	<p>Supplying & Fixing Zn / Al Valance board of nominal girth 300mm. (The nominal base metal thickness (BMT) should be 0.42 mm and the total coated thickness (TCT) not less than 0.47 mm) including Screws. The coating mass of the Zn/Al sheet is AZ150 (Minimum 150 gms/sq.m total on both sides).</p>	m	150		
2B3	<p>Supplying and fixing Gutters colour Zn /Al (The nominal base metal thickness (BMT) should be 0.42 mm and total coated thickness (TCT) not less than 0.47 mm) 457mm girth with brackets not exceeding 0.6m crs. rate includes for specials. The coating mass of the Zn/Al sheet is AZ150 (Minimum 150 gms/sq.m total on both sides)</p>	m	150		
2B4	<p>Supplying & fixing 0.47mm thick colour Zn /Al. ridge cap/ bottom ridge cap with self drilling screws (Fasteners) minimum girth 470mm.</p>	m	76		

Bill No. 03 : Stage II

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
2B5	Supplying and fixing down pipes colour Zn/Al 100mm X 100mm (The nominal base metal thickness (BMT) should be 0.42 mm and total coated thickness (TCT) not less than 0.47 mm) with brackets not exceeding 1.2m crs. of the pipe, rate includes for specials. The coating mass of the Zn/Al sheet is AZ150 (Minimum 150 gms/sq.m total on both sides)	m	260		
	Sub Total Bill No 03 carried to Grand Summary				

**EXPANSION OF WARD 7 AND 8
GENERAL HOSPITAL (TEACHING) - PERADENIYA**

BILL NO.04 - ELECTRICAL WORKS

Item	Description	Unit	Qty.	Rate	Amount
I	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.				
II	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.				
III	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.				
IV	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.				
V	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.				
VI	All the quantities given here are approximated values and Quantities may change with the actual installation at the site.				
VII	All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.				
VIII	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.				

BILL NO.04 - ELECTRICAL WORKS

Item	Description	Unit	Qty.	Rate	Amount
	Note:-				
	<u>Recommended Brands for Electrical Items</u>				
A	<u>Protective items (MCCBs, MCBs, RCCBs & ISOs</u> Schneider,ABB,Hager,Eaton (Moeller) ,Terasaki or Eq.				
B	<u>Surge protective Device (SPDs)</u> obo-bettermann,j.propster,Schneider or Eq.				
C	<u>Fans</u> KDK Original or brands approved by the Engineer.				
D	<u>Electrical Switches & Socket Outlets</u> Orange,ACL,Clipsal(schneider) or Eq.				
E	<u>Light Fittings</u> Japanes, malayasian made or brands approved by the Engineer.				
F	<u>Bulbs (LED)</u> Green,Philips,Osram or Eq.				
G	<u>Cables</u> Kelani,Sierra,ACL or Eq.				
H	<u>PVC Trunking</u> KTK or brands approved by the Engineer.				
	<u>Electrical Distribution System</u>				
1.00	<u>CEB Connection</u> Associated work for the getting CEB Electricity connection -Client pay for the connections.(01 No of 60A Three phase Connections.)				
			Pro. sum.		100,000.00
2.00	<u>Three phase consumer units (TCU)</u> Supply and installation of switch gear cubicle made out of (1.5mm thickness) sheet steel (IP54) stove enameled or powder coated for the finish with one coat of primer to the approval of the engineer with following equipment. (Surface type)				

BILL NO.04 - ELECTRICAL WORKS

Item	Description	Unit	Qty.	Rate	Amount
2.01	<p><u>TCU-1</u> 01 No 63A, 4P MCB,10 kA Breaking capacity complete with all other accessories. 01 Nos. 32A, 4P MCB,10kA 03 Nos. 32A, 2P MCB,6kA 09 Nos. 40A 2P RCCB, 30mA sensitivity 30 Nos. 6-32A, 1P MCB,6kA 01 Set of 100A Cu Bus bars for L1,L2,L3 & N Supply and installation of Class II Surge diveter with 40 kA max. maximum discharge current, 20 kA nominal discharge current(8/20), respond time <= 25ns, Uc >= 280V and prtction level <= 1.5kV (including 40kA HRC fuses) Earth Bar 01 Set of indicators with protection All internal connections. Equipment to be to the BS/IEC</p>	No.	1		
2.02	<p><u>TCU-2</u> 01 No. 40A, 4P Isolator 03 Nos. 32A, 2P MCB,6kA 09 Nos. 40A 2P RCCB, 30mA sensitivity 30 Nos. 6-32A, 1P MCB,6kA 01 Set of 50A Cu Bus bars for L1,L2,L3 & N Supply and installation of Class II Surge diveter with 40 kA max. maximum discharge current, 20 kA nominal discharge current(8/20), respond time <= 25ns, Uc >= 280V and prtction level <= 1.5kV (including 40kA HRC fuses) Earth Bar 01 Set of indicators with protection All internal connections. Equipment to be to the BS/IEC</p>	No.	1		
3.00	<u>Cable management system</u>				
3.01	<p><u>PVC Trunking</u> Supplying and installation of 100 × 50mm PVC Trunking as necessary.</p>	m	10		
4.00	<u>Cables</u> Supply and installation (with all materials required including conduits and termination) of following cables.				
4.01	16mm ² , 1C × 4, Cu/PVC/PVC cable from CEB meter to TCU-1.	m	15		
4.02	16 mm ² CU/PVC Earth cable from TCU-1 to Main Earth Electrode.	m	15		

BILL NO.04 - ELECTRICAL WORKS

Item	Description	Unit	Qty.	Rate	Amount
4.03	6mm ² Cu/PVC/PVC 1C×4 cable + 6mm ² Green & Yellow Earth cable From TCU-1 to TCU-2	m	40		
5.00	<u>Light Fittings</u> Note :- Warranty of all LED bulbs must be minimum two years.				
5.01	Supply and installation of Sunk type/ surface type White, Square shape 6W LED panel light fitting, minimum flux 390 lumens with accessories.	Nos	20		
5.02	Supply and installation of Sunk type/ surface type White, Square shape 12W LED panel light fitting, minimum flux 780 lumens with accessories.	Nos	10		
5.03	Supply and installation of Sunk type/ surface type White, Square shape 40W LED panel light fitting, minimum flux 3400 lumens with accessories.	Nos	110		
5.04	<u>Light Point Wiring</u> Wiring (including supply of all materials) of the above light points using approved type PVC insulated PVC sheathed 1 mm ² copper cable drawn through securely fixed concealed PVC conduit.	Nos	140		
6.00	<u>Socket Outlets</u>				
6.01	<u>13A Socket outlets</u> Supply & installation of 13A shuttered switched single socket outlet to comply with BS .	Nos	10		
6.02	<u>Wiring of 13A Socket outlets (radial circuit)</u> Wiring (including supply of all material required) of 13A socket outlets using approved type 2.5mm ² Cu/PVC/PVC, 2C cable & 2.5mm ² earth cable drawn through securely fixed concealed PVC conduit.	Nos	10		
6.03	<u>Supply & Wiring of 13A Socket outlets (Ring Circuit)</u> Supply & Wiring (including supply of all material required) of 10 Nos of 13A socket outlets using approved type 2.5mm ² Cu/PVC/PVC, 2C cable & 2.5mm ² earth cable drawn through securely fixed concealed PVC conduit. (including cost of 10 nos of 13A Socket Outlets)	No.	30		
7.00	<u>Fans</u>				
7.01	<u>Ceiling Fans</u> Supply & installation of 1400mm (56") , 80W sweep ceiling fan , complete with regulator, fan hook, extension rod & attachment.	Nos	75		

BILL NO.04 - ELECTRICAL WORKS

Item	Description	Unit	Qty.	Rate	Amount
7.02	Ceiling Fan point wiring Wiring (including supply of all material, earth wire & switch) of the above ceiling fans using approved type 1 mm ² , Cu/PVC/PVC cable & 2.5 mm ² earth wire drawn through securely fixed concealed PVC conduits.	Nos	75		
7.03	Exhaust Fans Supply & installation of exhaust fan, 300mm (12") , 31W, 706 CFM, 39 dB(A) with PVC blade & accessories. (including civil works)	Nos	4		
7.04	Exhaust Fan point wiring Wiring (including supply of all materials) of the above exhaust fan points using approved type PVC insulated PVC sheathed 1 mm ² copper cable drawn through securely fixed concealed PVC conduit with 2.5 mm ² earth cable and 13 Amp single switch socket outlet in radial circuit.	Nos	4		
8.00	Main Earthing System Supply and Installation of an earth electrode of minimum 16mm dia. copper Bonded rod of length 1.2m or more with a clamp connection to earth conductor. Earth resistance shall be less than 10 Ohms tested on a dry day. An earth pit of size 300mm x 300mm x 300mm is to be prepared and covered by concrete plate to protect the earth electrode.	Item			
9.00	Inspection and Testing - Electrical installation Testing the installation and rectify any defects and submit a certificate by a Chartered Electrical Engineer.	Item			
10.00	Drawings Provide three sets of 'As Built Drawings' (A3 size) to cover electrical distribution system binded as books.	Item			
11.00	Unforeseen work Allow Provisional sum for unforeseen work which may occur during installation.			PS	400,000.00
Sub Total Bill No 04 carried to Grand Summary					

SECTION – 9
SCHEDULES

SECTION – 9 SCHEDULES

Schedule 1 – General Information			
<p>(i) If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application.</p> <p>(ii) For joint ventures, each joint venture partner shall furnish information separately.</p>			
ITB Clause reference	Description	Information (to be filled by the bidder)	Remarks
3.1	ICTAD Registration		Provide certified copies and label as attachment to clause 3.1
	Registration Number		
	Grade		
	Specialty		
	Expiry Date		
3.2	NCASL Membership		Provide certified copies and label as attachment to clause 3.2
	Number		
	Expiry Date		
3.3	Registration at the registrar of Public Contract Sri Lanka – PCA 3 Certificate		Provide certified copies of Registration (PCA 3 Certificate)
4.1(a)	Legal Status		Provide certified copies of Registration
	Written Power of attorney of the signatory to the Bid		Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to clause 4.1(a)
	If a Joint Venture, names and addresses of Joint Venture Partner	1. 2. 3.	Provide a draft copy of the Joint Venture Agreement or alternatively the memorandum of understanding
	If a Joint Venture, Name of Lead Partner		
	For joint ventures, each joint venture partner shall furnish Legal Status separately		
	Name (Lead Partner)		Provide certified copies and label as attachment to clause 4.1(a)
	Legal Status		
	Place of registration		
	Principal place of business		

Schedule 1 – General Information continued

	Written Power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to clause 4.1(a)	
	If a Joint Venture, names and addresses of Joint Venture Partner	1. 2. 3.	Provide a draft copy of the Joint Venture Agreement or alternatively the memorandum of understanding
	If a Joint Venture, Name of Lead Partner		
	For joint ventures, each joint venture partner shall furnish Legal Status separately		
	Name (Partner 2)		Provide certified copies and label as attachment to clause 4.1(a)
	Legal Status		
	Place of registration		
	Principal place of business		
	Written Power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to clause 4.1(a)	
	VAT Registration Number		
	Name (Partner 3)		Provide certified copies and label as attachment to clause 4.1(a)
	Legal Status		
	Place of registration		
	Principal place of business		
	Written Power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to clause 4.1(a)	
	VAT Registration Number		

Schedule 2 – Annual Turn-over Information

- (i) If pre-qualification is done the bidders are required to include information Subsequent to that submitted with the pre-qualification application.
- (ii) For joint ventures, each joint venture partner shall furnish information separately.

Year	Turn-over	Remarks
1		Attach audited reports and label as attachment to clause 4.2
2		
3		
4		
5		

Schedule 3 – Adequacy of Working Capital

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

Source of credit line	Amount	Remarks
		Provide documentary evidence and label as attachment to clause 4.2
	Total	
Qualify for Contract		(b) (a) The Bidder should have experience in construction similar nature project during past 5 years. The minimum amount of Contract value of each project shall be Rs. 70.00 Million . At least 75% of each project should have been completed within the original contract period

	<p>(c) Average annual volume of construction work performed in the last five years shall be at least Rs.155 Million.</p> <p>(c) The minimum amount of working capital or available credit facilities for utilizing at the time of bidding exclusive of any advance payments shall not less than Rs. 25 Million. as per clause 4.4 in bidding data. Confirmation letter of credit facility should be addressed to : Director, Teaching Hospital, Peradeniya,</p> <p>The minimum amount of liquid assets available is calculated as follows.</p> $X = (A - L) - AR + C - 0.2W$ <p>Where,</p> <p>X = Minimum amount of liquid assets available</p> <p>A= Current assets as given in the latest audited financial statements (Excluding balances in Directors Current A/c)</p> <p>L= Current Liabilities as given in the latest audited financial statements (Excluding balances in Directors Current A/c)</p> <p>AR = Advance Payments received for other projects</p> <p>C = Revolving Line of credit given by Bank</p> <p>W = Work in Hand</p> <p>Any Bidder who does not have the minimum amount of liquid assets calculated on the above basis, required under Sub - Clause 4of the instructions to bidder (ITB) shall be treated as non- responsive bid.</p>
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Schedule 4 – Construction Experience in Last five years

- (i) If pre-qualification is done the bidders are required to include information Subsequent to that submitted with the pre-qualification application.
- (ii) For joint ventures, each joint venture partner shall furnish information separately.

Year	Employer	Description of Works	Amount	Construction period as per the approved programme	Actual construction period	Reasons for delays	Contractor's Responsibility (%)
		Total					

- Provide documentary evidence and label as attachment to clause 4.2

Schedule 6 – Construction Management Staff

A. Key Professionals

Name	Position	Task

B. Support Staff

Name	Position	Task

Schedule 8 - Work Program

(1st, 2nd, etc. months from the start date.)

Construction Activity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th

Schedule 9 – Input Percentages for Price Adjustment Formula		
Input Name	ICTAD Reference for Indices	Percentage %
Zink aluminium Sheet	M46	22.26
Skilled Labour	L1	20.21
Unskilled Labour	L3	10.46
Aluminium	M36	9.27
Reinforcement Steel	M13	6.92
Electrical Fittings	M38	6.36
Structural Steel	M14	5.57
Cement	M4	3.36
Floor Tile	M32	3.03
Electrical wiring	M26	2.55
Total		90.00%

Non-Adjustable Elements: All Preliminary Items & Provisional Sum Items

SCHEDULE FOR DAY WORKS

SCHEDULE 1- LABOUR

Any labour engaged on Day work shall be paid at the rates given below. Contractor's profit and overheads should not be included in the rates.

Category	Gross Daily Wages Rs. Cts.
1. Skilled labour
2. Semi skilled labour
3. Unskilled labour
4. Electrician
5. Welder
6. Plumber

Add: Overhead & Profits % to above

SCHEDULE 2 – PLANT

Any Plant engaged on Day works shall be paid at the rates given below. The rates are for wet hire. These rates shall include for all inputs for running of the plant, transport to site, operators, attendants, insurance and other overheads associated with such plant.

	Description of Plant	Hourly Rate Rs. Cts.
1	Farm Tractor with Trailer
4	Concrete Mixer (10/7 Cu. ft.)
5	Poker Vibrator (50mm size) - with operator
6	Poker Vibrator (35mm size) - with operator
7	Lorry/Tipper (5 Ton) with driver
8	Welding Plant

Add: Overhead & Profits % to above