

TENDER

FOR

***RENOVATION WORK OF ESI MODEL HOSPITAL,
ASRAMAM, KOLLAM***

**PART-III
PRICE BID**

**TENDER NO. HLL/ID / 13/04
JANUARY 2013**

HLL LIFECARE LIMITED

INFRASTRUCTURE DEVELOPMENT DIVISION

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1 COMMERCIAL CONDITIONS

1.0.1 The tendered rate shall inter alia be deemed to include for the provision of all materials, process, operation and special requirements detailed in the particular specification irrespective of whether these are mentioned in the description of equipment schedule and Bill of quantities or not. It is an express condition of the contract that the tendered rates for various items in the Bill of Quantities shall be deemed to include for the full, entire and final condition of the contractor respective items of the works in accordance with the provision of the contract.

1.0.2 The tendered rate shall include for all taxes, duties, etc. as applicable and shall be quoted on the works contract basis for Renovation Work of ESI Model Hospital, Asramam, Kollam.

1.0.3 The tendered rate shall remain firm and free from variation due to rise in the cost of materials/equipment, labour or any other reasons whatsoever during the contract period and valid extension on the case may be.

1.0.4 The quantum of excise duty included in the tendered price, the rate at which they were assumed etc. shall be indicated in the tender.

1.1 UNIT RATES

1.11 Only approved work will be measured on completion and priced as per rates quoted against the respective items.

1.2 BRIEF DESCRIPTION OF PRICING

1.2.1. Unforeseen difficulties for which provision has not been made in the tender will in no way relieve the successful tenderer from the full execution of the work.

1.2.2 The price quoted shall be the final amount for this finished work.

1.3 INCOME TAX

Any payment to the contractor as per contract, will be made after deducting income tax as per the rules and regulations.

1.4 SALES TAX AND EXCISE DUTY

The tenderer shall clearly indicate sales tax, service tax, Excise and other duties as applicable in his offer for carrying out this work.

1.6. SUBMISSION OF BILL

1.6.1. The contractor shall from time to time prepare and submit interim bills of the work executed and on completion of the contract, he shall prepare and submit the final bill. The measurements sheets in support of the interim and final bills shall be prepared by the contractor on the basis of measurements taken by him jointly with the project engineer and the said measurement sheets shall be submitted by him with the relevant bill.

1.6.2. Within the above frame work of the terms of payment the contract's interim bills will have to be of a minimum value of Rs.14 lakhs only.

1.7. EXTRA ITEMS

The contractor is bound to carry out any items of work necessary for the completion of the job even though such items may not have been included in the schedule of probable quantities or rates, such items being necessary or essential for completing the job. Variation order in respect of such additional items and their quantities will be issued in writing by the employer.

1.7.1 All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of work and on completion including that of the sub-contractors and special tradesman and all materials condemned by the project engineer shall be cleared and removed from the site by the contractor without any extra charge.

1.7.2 All measuring steel taps, scaffolding, ladders instruments and tools that may be required for taking measurements shall be supplied by the contractor.

1.8. OVER TIME WORK

If the contractor is required to work night or on holidays in order to maintain the time schedule he shall take prior approval from the Engineer-in-charge. He should also

provide and maintain at his own cost sufficient lights as may be necessary to enable the work to proceed satisfactorily during the night.

- 1.8.1. The contractor shall give full facilities to all other contractors working on site. He shall also arrange his programme of work so as not hinder the progress of other trades. The decision of the Engineer-in-charge on any point of dispute between the various parties shall be final and binding.
- 1.8.2. It is specifically pointed out that the contractor shall not be entitled to any compensation whatsoever on account of delay in procurement or supply of controlled materials and the rates quoted in the contract are fixed till the completion of the contract.
- 1.8.3. The contractor shall co-operate with other agencies appointed by the owners for the work to proceed smoothly with the least possible delay and to the satisfaction of the owners, architects and the consultants.
- 1.8.4. The owners shall provide a source for power supply at one convenient point at site. The contractor shall at his own cost install a separate meter at the said source and lay additional cables from the said source also at his own cost. For the electricity consumed by the contractor he shall pay the owner the actual cost at the rate charged by the local authority for power for constructional purposes. The contractor shall also obtain the necessary permit for utilizing power for constructional purposes.

2. SPECIAL CONDITIONS

2.1. EXECUTION WORK

2.1.1. The whole of the work as described in the contract (including bills of materials, specification and all drawings pertaining thereto) and as advised by the Engineer-in-charge from time is to be carried out and completed in all parts to the entire satisfaction of the Employer. Any minor details of construction which are obviously and fairly intended, or which may not have been definitely referred to in this contract, but which are usual construction practice and essential to the work, shall be included in this contract.

2.2. CERTIFICATE OF COMPLETION

2.2.1 The contractor shall intimate to the Engineer-in-charge in writing as and when the works are completed and put into beneficial use in order to enable the consultants to check certify to the owners to take over the plants.

2.2.2 The work shall not be considered as completed and put into beneficial use until the consultants have certified in writing that the same has been completed and put into beneficial use.

2.2.3 The defects liability period of one year shall commence from date of such completion or any specific date mentioned therein.

BILL OF QUANTITIES

ABSTRACT

SEC.	DESCRIPTION OF ITEM	AMOUNT (Rs.)
PART A	STRUCTURAL RESTORATION AND URGENT REPAIRS OF DAMAGED RCC WORKS OF EXISTING HOSPITAL	
PART B	I. CIVIL WORKS	
PART B	II. ELECTRICAL WORKS	
	GRAND TOTAL	Rs.

RENOVATION WORK OF ESI MODEL HOSPITAL, ASRAMAM, KOLLAM

Part A : Structural restoration and urgent repairs of damaged RCC works of existing hospital

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
	Scheduled items				
1	Dismantling old plaster/ weathered concrete or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50m lead	1380.00	m2		
2	Plastering with cement mortar 1:4, 15mm thick including curing for 7 days etc. complete	460.00	m2		
3	Plastering with cement mortar 1:4,12 mm thick including curing for 7 days etc. complete	920.00	m2		
4	Painting with epoxy paint two coat to the steel reinforcement including priming coat	920.00	m2		
5	Providing and fixing double scaffolding system (cup lock type) up to seven story height made with 40mm dia M.S. tube 1.5 m centre to centre horizontal And vertical tubes joining with cup and lock system with M.S. tube challies, M.S. clamps and M.S. stair case system in the scaffolding for working platform etc. and mounting it in a serviceable condition for the required duration as approved and removing it thereafter. The scaffolding system shall be stiffened with bracing, runners, connection with the building etc. wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer in charge.	1380.00	m2		

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
6	Distemping with dry distemper of approved brand and manufacture (two or more coat) of required shade over and including water thinnable priming coat to give an even colour	1600.00	m2		
7	Painting wall with plastic emulsion paint of approved brand and manufacturer to give an even shade two or more coat	3810.00	m2		
	NON SCHEDULE ITEMS				
1	Screening with 4mm thick ply wood with teak wood reeper frame 50x25mm size 1m centre to centre	500.00	m2		
2	Charges for cleaning reinforcement with sand blasting using granular sand including isolating the working area and all labour and hire charges of compressor, etc complete	920.00	m2		
3	Guniting and restoring the exposed RCC and plastered surfaces with 1:2 cement mortar applied with compressor, including cost of materials, hire charges of machinery etc. complete	920.00	m2		
	Total – Part - A				
PART -B : CONSTRUCTION OF LIFT WELL					
	I CIVIL WORKS				
	Scheduled items				
1	Earth work in excavation in all kinds of soil by mechanical meansn (Hydraulic excavator) /manual means in over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m; disposed earth to be levelled and neatly dressed	125.00	m3		

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
2	Do. Do. 1.5m to 3.0m depth	67.00	m3		
3	Close timbering the trenches including strutting, shoring and packing cavities (wherever required) complete (Measurements to be taken of the face area timbered	123.00	m2		
4	Cement concrete 1:4:8 (1cement: 4 coarse sand : 8 nominal size stone aggregate 40mm size excluding cost of shuttering	9.00	m3		
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth :consolidating each deposited layer by ramming and watering, lead up to 50 mm and lift upto 1.5m	28.00	m3		
6	Reinforced cement concrete 1:1.5:3 (1 cement: 1.5 coarse sand : 3 broken stone 20mm nominal size) up to plinth level excluding cost of shuttering, reinforcement etc.	38.00	m3		
7	Reinforced cement concrete 1:1.5:3 (1 cement: 1.5 coarse sand : 3 broken stone 20mm nominal size) in walls (any thickness), including attached pilasters, buttresses, above plinth level and up to 5th floor level excluding cost of shuttering, reinforcement etc.	90.00	m3		
8	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete Thermo-Mechanically Treated bars.	15400	kg		

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
9	Centering and shuttering including strutting, propping etc. and removal of form for :				
a	Foundations, footings, bases of columns, etc. for mass concrete.	22.00	m2		
b	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc	680.00	m2		
c	Suspended floors, roofs, landings, balconies and access platform.	140.00	m2		
d	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	60.00	m2		
e	Columns, Pillars, Piers, Abutments, Posts and Struts	40.00	m2		
10	Brick work with F.P.S bricks of class designation 75 in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement: 6 coarse sand)	32.00	m3		
11	Plastering with cement mortar 1:4 (1 cement : 4 fine sand 15 mm thick to the brick wall	345.00	m2		

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
12	Plastering with cement mortar 1:4 (1 cement : 4 fine sand 12 mm thick to the RCC wall	725.00	m2		
13	Plastering with cement mortar 1:3 (1 cement : 3 fine sand 6 mm thick to the under side of slab	110.00	m2		
14	Plastering with cement mortar 1:3 (1 cement : 3 coarse sand 12 mm thick finished with a floating coat to the top or roof slab	60.00	m2		
15	Painting with exterior weather coat paint to the out side of walls two or more coat	440.00	m2		
16	Painting with Plastic emulsion paint to the in side of walls after a water thinnable cement priming coat	520.00	m2		
17	Distempering with dry distemper of approved brand and manufacturer (two or more coat) of required shade on new work, over and including water thinnable priming coat to give an even shade	110.00	m2		
18	Flooring with 18mm thick gang saw cut mirror polished premoulded and prepolished machine cut granite slab of any colour and shade laid over 20mm thick base cement mortar 1:4 (1cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels	75.00	m2		

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
19	Providing granite stone tile (polished) of any colour approved by engineer in charge for wall lining over 12mm thick bed of cement mortar 1:3 (1cement: 3 coarse sand) and cement slurry @ 3.3kg/m ² including point with white cement with adding suitable colour match etc complete	85.00	m ²		
20	Fabricating MS ladder with 50x12mm MS flats longitudinal direction placing 30cm gap for providing 300x12mm MS plate steps 20cm intervals supporting by 40x40x5mm MS angle and providing stiffner to longitudinals with 50x12mm MS flats and providing 12mm MS square rod balusters 80 cm high connected with 50mm dia GI pipe hand rails including cost of materials, fabricating charge, conveyance of materials and a coat of iron primer etc. complete.				
a	MS flat and angles	660.00	kg		
b	50mm dia. GI pipe for hand rails	71.00	kg		
21	Painting Steel work with Deluxe Multi Surface Paint 'Uni-Glosss' of M/s Snowcem India Ltd., or equivalent to give an even shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer UG or equivalent, applied @ 0.80 ltr/ 10 sqm of approved brand or manufacture (13.48.3)	20.00	m ²		

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
22	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other section of approved make conforming to IS : 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required P.V.C/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P brass/ stainless steel screws, all complete as per Architectural drawings and the direction of Engineer-in-charge (glazing and panelling to be paid for separately) :-Anodized aluminium sections	19.00	kg		
23	b) For shutters of doors, windows and ventilators including providing and fixing hinges /pivots and making provision for fixing of fittings wherever required including the cost of P.V.C / neoprene gasket required (Fittings shall be paid for separately) . Anodized aluminium sections	20.00	kg		
24	Providing and fixing glazing in aluminium door, window, ventilators shutters and partitions etc. EPDM rubber/ neoprene gasket etc. complete as per the architectural drawings and directions of engineer-in-charge (cost of aluminium snap beading shall be paid in basic item) (float glass panes of 5,50mm thickness	5.00	m2		
	TOTAL – Part I				

II - ELECTRICAL WORKS

II - ELECTRICAL WORKS					
	Schedule items (electrical)				
Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
1	Point wiring in PVC conduit, with Modular type switch: Wiring for light point/ exhaust fan point/ call bell point with 1.5 sq:mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, with module				
	Group C	8	Point		
2	Power plug wiring in PVC conduit (2x4 sq mm):Wiring for light/ power plug with 2x4 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit along with 1 No 4 sq mm FR PVC insulated copper conductor single core cable for	40	Mts		
3	Circuit Sub main wiring in PVC Conduit: Wiring for circuit sub main wiring along with earthwire with the following sizes of PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required.				
a	2x2.5 Sqmm+ 1x 2.5 Sqmm earth wire	50	Metre		
b	2x6 sq. mm +1x6 sq.mm earth wire	60	Metre		

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
4	S/F light plug point modular type accessories: Supplying and fixing suitable size G. I box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6	6	Each		
5	Supply & fixing stepped type electronic fan regulator on the existing modular plate switch box including connection but excluding modular plate etc as required	2	Each		
6	Laying of one number PVC insulated and pvc sheathed /XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning protective covering with country burnt brick and refilling the trench etc as required.				
	Above 35 Sqmm and up to 95 Sqmm	40	Metre		
7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade of following size on surface as required.				
a	Up to 35 Sqmm (clamped with 1 mm thick saddle)	120	Metre		
b	Above 35 Sqmm and up to 95 Sqmm (clamped with 25x3mm MS flat clamp)	60	Metre		

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
	BRASS COMPRESSION GLAND				
8	Supply and making LV/MV cable End termination. Supply and making indoor end termination with bras compression gland, earth clips and aluminium lugs for following size of PVC insulated and PVC Sheathed / XLPE aluminium conductor cable of 1.1 kV grade as				
a	3.5 x 70 Sq mm	2	Each		
b	4 x 16 Sq mm	4	Each		
	MCB DISTRIBUTION BOARDS				
9	S/F SP MCB DB: supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/recess, complete with tinned copper busbar, neutral busbar				
	2 + 6 Way	2	Each		
10	S/F 'C' series, SP MCB: Supplying and fixing 5 amps to 32 amps rating, 240 Volts ' C ' series, miniature circuit breaker suitable for inductive load of the following poles in the existing M				

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
	Single pole	4	Each		
11	S/f SP MCB blanking plate: Supplying and fixing single pole blanking plate in the existing MCB DB complete etc as required.	4	Each		
12	S/F SPN RCCB Supplying and fixing following rating, double pole,(single phase and neutral) 240 volts, residual current circuit breaker {RCCB }, having a sensitivity current up to				
	25 amps	2	Each		
13	ITC Fluroscnt fitting directly on surface: Installation testing and commissioning of pre- wired, fluroscnt fitting / compact fluroscnt fitting of all types, complete with all accessories and tube etc. directly on ceiling / wall, including connection w	2	Each		
14	ITC Ceiling fan: Installation ,testing and commissioning of ceiling fan, including wiring the down rods of standard length { Up to 30 Cm } with 1.5 sq mm FR PVC insulated, copper conductor, single core cable as required.	2	Each		
15	S/F TP& N FSU in cubicle panel board: Providing and fixing following capacity TP&N dis connector fuse switch unit inside the existing cubicle panel board with ISI marked HRC fuses including drilling holes in cubicle pan				

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
	100 Amp TP&N	1	Each		
	Total (DSR item) (A)				
	Non Schedule Item (electrical)				
1	Supply of Fluorescent tube light fitting with lamp holder, electronic ballast suitable for continuous operation with THD <10% duly wired up for use on 230 V AC supply without fluorescent tubes. The fittings shall be made from CRCA MS sheet of minimum thickness 0.50 mm nominal thickness inside & outside.(Govt. approved brand like philips, Bajaj, Crompton or GE)	2	Each		
2	Supply of Ceiling fan (1200mm sweep, complete with 300mm down rod, canopies, shackles and blades and resistance type regulator working on 230/240V single phase A/C(Govt. approved brand like philips, Bajaj, Crompton or GE)	2	Each		
3	Supplying and fixing Bulk Head luminaire CFL 1x10 W, complete with glass cover and M.S galvanised wire guard, of model No ICBH 10 of crompton make or any other equivalent make such as G.E, Bajaj, Havels etc approved by Govt: wiring with 2x1.5 sq mm PVC i	4	Each		
4	Supply, Installation, testing & commissioning of Floor mounting cubicle type panel board equipped with following Switch gears				
	200 A TP&N Aluminium busbars				
	Incomer				

Item No	Details of items	Qty	Unit	Rate (Rs.) (in fig & in words)	Amount (Rs.)
	125A TPN MCCB,25Ka-1				
	Out going				
	63A TPN MCCB 25Ka-3 Nos				
	32A TPN MCCB 25 Ka -1 No				
	LED type RYB indication Lamps-3 nos	1	Each		
5	Supply of following sizes of PVC insulated PVC sheathed XLPE Aluminium conductor Armoured cable of 1.1 KV grade etc as required.				
a	3.5x70 Sqmm	120	Mts		
b	4x16 Sqmm	100	Mts		
6	S&F MCCB in powder coated M.S box Providing and fixing following rating and breaking capacity MCCB in a powder coated box including drilling holes making connections, etc as required.				
	63 Amp 25 KA	2	Each		
	Total – Part II				