

TENDER

FOR

***CONSTRUCTION OF DINING HALL
FOR RECREATION CLUB AT
HLL LIFECARE LTD FACTORY COMPOUND,
PEROORKADA, THIRUVANANTHAPURAM***

**PART-III
PRICE BID**

**TENDER NO. HLL/ID / 13/93
NOVEMBER 2013**



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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 **Construction of Dining hall for Recreation club at HLL factory compound, Peroorkada at Thiruvananthapuram.**

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, 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.25.0 lakh 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.

1 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.

LIST OF APPROVED MAKES - CIVIL

Sl. No	Materials	Manufacturers / Agencies
1	Ready mixed Concrete	UltraTech, RAMCO, ACC, Birla. Design mix vetted through government engineering college to be produced by vendor and got approved by engineer in charge.
2	Ordinary Portland Cement (Minimum 43 Grade)	UltraTech, RAMCO, Chettinad, IndiaCements, Birla (Grasim), ACC
3	Reinforcement/Structural Steel (Each LOT shall accompany manufacturer's Test Certificate)	SAIL, TISCO, RINL
4	White Cement	JK Cement, Birla White
5	Vitrified Tiles	Nitco, Johnson, Naveen, Euro, Somany, AGL, Johnson, Kajaria, Marbita
6	Flush doors	Kutty Flush Doors, Mysore Boards, Indian Plywood Mfg, Co, 'KIT' Ply' brand or any BIS approved brand
7	Fire doors	Shakti Met-Dor, Godrej, Sukri, Pacific works controls
8	FRP Doors	Fibrevent, Techno skills or Equivalent (or as approved by E-in-C)
9	Aluminium Fittings	Everite, Garnish, Crown Classic
10	Hydraulic floor Spring	Everite, Garnish, Hardwyn, Dorma
11	Aluminium Extruded Sections	Jindal, Hindalco, Indalco
12	Aluminium Doors/Windows	As approved by E-in-C
13	Paints, Distempers	Jenson & Nicholson, Asian, ICI, Nerolac, Berger
14	Glazing	Float Glass of Modiguard or Saint-Gobain
15	Water proofing Works	As approved by E-in-C
16	Hydraulic Door Closers	Hardwyn, Everite, Garnish, Dorma

17	Water Proofing Cement Paint	Showcem India, ICI, Nerolac
18	Ceramic Glazed Floor Tiles	Nitco, Orient, Kajaria, Somany, Naveen, AGL, Johnson
19	Cast Iron Pipe and Fittings (Soil Pipes)	BIC, HEP, NECO, Ajmera
20	GI Pipes (ISI marked)	TATA, Zenith, Jindal, Gujarat Steel, ITC
21	GI Fittings (ISI marked)	‘R’ Brand, UNIK or equivalent
22	Gunmetal Valves & Fittings	Premier, Leader, Zoloto, or ISI marked brand
23	CP Brass Sanitary and water supply Fittings	Jaguar/Essess/SOMA/BILMAT/ Dripless or equivalent approved by E-In-C
24	Vitreous China Sanitary ware	Hindustan, EID Parryware, Cera
25	WC Seats & Covers	Commander, Diplomat, Admiral (or as approved by E-In-C)
26	CI Fixtures, CI Cover & Frame	Ashok Iron Works/Bombay Iron Works/A Husainji / Ismaelji, Neco, BIC, RIF
27	CPVC Pipes	Astral Polytechnik, Ashirvad, Ajay Industrial corp, Prince, Supreme
28	Curtain/Wall/Structural Glazing	Specialist Agency to be employed with Prior Approval of E-In-C
29	Plywood Products, Parcticle Boards & Veneers	Duroply (Green Marked, BWR Century Plywood, Green Plywood Kitply, Mysore Boards
30	Adhesive	Pidilite, Araldite
31	Plastic Laminates	Formica, Greenlam, Bakelite HYLAMylam
32	Powder Coatings	Berger/Nerocoat/Jenson & Nicholson
33	Tile Joint Filler	Bal Adhesives & Grouts,”ROFFE” Rainbow Tile Mate, Silicon Sealnet of GE Bayer Silicon/”Zentrival FM” of MC-Bauchemie (India) P Ltd
34	MS Tubes	TATA or equivalent
35	Roof Water Proofing	India Water Proofing, CICO, SIKA

36	Silicon Sealant	GE Bayer Silicone, SIKA
37	Anchor Fastener	Hilti, Bosch
38	Formwork Release Agent	Fosroc, MBT, MC Baucheme CICO, ADO Conmat
39	EPOXY	FOSROC. SIKA Qualcrete, Aradlite MBT
40	Water proofing System	CICO, FOSROC, SIKA, Supreme Siltech Chemicals, ADO Conmat
41	Stainless Steel Sinks	Prestige/AMC/Jayna/Kingston/Neelkanth
42	CP Waste, Spreaders for Urinals	Jaguar / Essess
43	Sensor based Auto Flushing System for Urinals	AOS Systems/Angash
44	SFRC Manhole Covers	Southern Concrete Industries, Rajvaibav Enterprises or equivalent
45	UPVC Pipes/Fittings	Supreme/Prince/ Finolex
46	Mirror	Atul/Modifloat/Saint Gobain/Golden Fish/AIS

LIST OF APPROVED MAKES FOR ELECTRICAL WORKS

S. No.	MATERIALS	PREFERED MAKE
1	LT UG cables	Gloster / Torrent / Havells / Polycab
2	LT cable gland, lugs	Comet / Dowell / Jainson / Hex
3	MCCB	L&T / Siemens / Schneider / GE
4	SDFU, Isolators	L&T / Siemens / Schneider / GE
5	Relays	L&T / GE / Schneider / Siemens.
6	Resin cast CTs	Kappa / Intrans / Resitech / PGR Powertech
7	Measuring Instruments	AE / Conserv / Rishab / Schneider / L&T
8	Starters /Contractor /Bi metal Relay	L&T / Siemens / Schneider / GE / Beluk
9	Push Button /Indicating Lamps (LED Type)	Siemens / L&T / Schneider

10	Control Fuse Base with HRC Fuse	L&T / GE / Siemens / Schneider
11	Light fitting	Philips / Wipro / GE
12	Ceiling fan, Wall, Exhaust fans	Crompton / Usha / Bajaj
13	Industrial Exhaust fan, Wall fan	Almonard / Crompton / Bajaj
14	MCBs, DBs, Industrial plugs	Legrand / Schneider / Siemens
15	PVC wires (Copper)	RR Kables / Finolex / Panasonic / Lapp Kabel
16	Cat 6 UTP, telephone, co-axial cable	Finolex / RR Kabel / Panasonic / Belkin
17	Modular Switches	Legrand-Arteor / MK-Aspect / Panasonic-Vision / Crabtree - Murano
18	PVC Conduit & accessories, Casing & capping	Precision / Avon Plast / /Konseal / Balco
19	Cable tray	Profab / Patny / Indiana / Elcon
20	Lamps	Philips / Wipro / GE / Osram
21	Capcitor	Universal / Mehar / L&T / Siemens

BILL OF QUANTITIES

ABSTRACT

SEC.	DESCRIPTION OF ITEM	AMOUNT (Rs.)
A	CIVIL WORKS	
B.	ELECTRICAL WORKS	
	GRAND TOTAL	

PART A – CIVIL WORKS

Sl. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means 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. All kinds of soil 2.6.1	m3	75.00		
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	m3	11.00		
3	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement: 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand). 7.1.1	m3	18.00		
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand) 6.4.2	m3	13.00		

SI. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
5	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) 4.2.3	m3	2.00		
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 4.1.5	cum	12		
7	Centering and shuttering including strutting, propping etc. and removal of form for :				
a	Columns, Pillars, Piers, Abutments, Posts and Struts. 5.9.6	m2	16.00		

Sl. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
8	Plastering with cement mortar 1:4, 15mm thick (1cement, 4 fine sand) 13.2.1	m2	155.00		
9	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm). 13.44.1	m2	155.00		
10	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement : 4 fine sand)	sqm	160		
11	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position, 4 nos 15x5mm plate 15 cm length each opening for fixing walls and applying a priming coat of approved steel primer all complete: 10.2	kg	107.00		

Sl. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
12	Steel work in built up tubular (GI pipe round, square or rectangular hollow tubes etc.) trusses etc. including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.	kg	2920.00		
13	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm + 0.05 %, total coated thickness with zinc coating 120 gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns (colour to be selected by Engineer in charge). Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 12.50	m2	215.00		
14	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm + 0.05 % total coated thickness, Zinc coating 120gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Gutter .(600 mm over all girth).	m	41.00		

Sl. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
15	Providing and fixing on wall face with 110mm diameter unplasticised Rigid PVC rain water pipes conforming to IS :13592 type A including joining with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion 12.41.2	m	25.00		
16	Providing and fixing on wall face with 110mm diameter unplasticised Rigid PVC moulded fittings/accessories for unplasticised rigid PVC rain water pipes conforming to IS :13592 type A including joining with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion				
a	110 mm Coupler	nos	7		
b	110mm door bend long and short	nos	21		

SI. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
16	110mm shoe	nos	7		
17	Providing and fixing unplasticised- PVC pipes clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S screws of required length including cutting brick work and fixing in cement mortar 1:4(1cement : 4 coarse sand) and making good the walls etc. complete.	nos	21		
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work. 13.61.1	m2	91.00		
	TOTAL				

Sl. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
	PART B – ELECTRICAL WORKS				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
	Group B	Each	15		
2	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface medium class PVC conduit as required.				
a	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	m	135		

Sl. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
b	2X4.0 sq.mm + 1 X4.0 sq mm earth wire	m	85		
c	4 X 16 sq. mm + 2 X 16 sq. mm earth wire	m	110		
3	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a	20 mm	m	45		

Sl. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
b	25 mm	m	50		
4	Supplying and fixing suitable size GI 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 amps modular switch, connection etc. as required.	Each	2		
5	Supplying and fixing suitable size PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	2		

SI. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
6	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, false ceiling with chain and hook including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	15		
7	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required.(But without MCB/ RCCB/ Isolator)				
a	4 way (4 + 12), Double door	Each	1.00		

Sl. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
8	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	63 amps	Each	1.00		
9	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	63 amps	Each	1.00		
10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				

Sl. NO	DESCRIPTION	UNIT	QTY	Rate in Rs. (in words & in fig.)	Amount in Rs. (in words & in fig.)
a	Single pole	Each	5.00		
11	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	7.00		
12	Supply of 1x40 W fluorescent tube fitting, ordinary type 1x40 Watts with electronic choke and all other accessories, with fluorescent tube 1x40watts (Govt. approved brand like Bajaj, Crompton, GE)	Each	20		
	TOTAL				