

TENDER FOR

PROVIDING ADDITIONAL LOADING BAYS AT NEW STORAGE FACILITY OF HLL AT BALARAMAPURAM

PART-III PRICE BID

**TENDER NO. HLL/ID / 13/77
September 2013**



**INFRASTRUCTURE DEVELOPMENT DIVISION
ADARSH, TC 6/1718, VETTAMUKKU, THIRUMALA P.O.
THIRUVANANTHAPURAM - 695006
PHONE: 0471-2365873/ 72
FAX: 0471-2368144**

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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 **Providing Additional loading bays at New Storage facility of HLL at Balaramapuram.**

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.

1.7. 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 FOR ELECTRICAL WORKS

S. No.	MATERIALS	PREFERED MAKE
1	Light fitting	Philips / Wipro / GE
2	Ceiling, exhaust, wall fans	Crompton / Bajaj / Almonard
3	MCBs, DBs, Industrial plugs	Legrand / Schneider / Siemens
4	Wiring cables	RR Kables / Finolex/ Polycab
5	Modular Switches	Legrand - Myrius / Carbtree-Verona / MK- Wraparound / Schneider-Opale
6	PVC Conduit & accessories, Casing & capping	Precision / Avon Plast / /Konseal / Balco
7	Lamps	Philips / Wipro / GE / Osram

BILL OF QUANTITIES

ABSTRACT

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

Additional Loading Bays at New Storage Facility at Balarampuram, Thiruvananthapuram					
Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
CIVIL					
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	Cum	7.00		
2	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	1.00		
3	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	Eac h	4.00		
4	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	Sqm	50.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
5	Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete :1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	15.00		
6	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.	Cum	6.00		
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	1.00		
8	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	3.50		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
9	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	6.50		
10	Centering and shuttering including strutting, propping etc. and removal of form for :				
a	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	30.00		
b	Suspended floors, roofs, landings, balconies and access platform	Sqm	13.00		
c	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	14.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.	Kg	1675.00		
12	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs. 80x1.25 mm M.S. laths with 1.25 mm thick top cover manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.	Sqm	20.00		
13	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	19000.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
14	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	284.40		
15	12 mm cement plaster 1:2 (1 cement : 2 stone dust).	Sqm	185.00		
16	White washing with lime to give an even shade :New work (three or more coats)	Sqm	190.00		
17	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	Sqm	70.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
18	Finishing walls with textured exterior paint of required shade :New work (Two or more coats applied @ 3.28 ltr/10sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	Sqm	95.00		
19	Applying priming coat :With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	62.00		
20	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	810.00		
21	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 grams per sqm 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. Sheet should have protective guard film of 25 microns minimum to avoid scratches during 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 55 mm) 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.	Sqm	640.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
22	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm 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)	Metre	29.00		
23	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	Metre	33.00		
24	Providing and fixing unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. (a)Single Pushfit Coupler:110 mm	Each	7.00		
b	Single tee without door,110x110x110 mm	Each	1.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
c	Bend 87.5°, 110 mm bend	Eac h	6.00		
d	Shoe plain, 110 mm	Eac h	6.00		
25	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the wall etc. complete., 110 mm	Eac h	28.00		
26	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of fine sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	15.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
27	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	0.90		
28	Supplying and filling in plinth with Murum/good earth sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	7.00		
29	Supplying and compacting 40 mm metal	Cum	3.00		
	Total				

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
<u>ELECTRICAL</u>					
	INTERNAL ELECTRIFICATION				
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/recessed PVC conduit with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sqmm, FR PVC insulated copper conductor single core cable etc. as required.	Point	6.00		
	Group C				
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/recessed PVC conduit as required.	Mtrs	25.00		
a	2x2.5Sq.mm+ 1x2.5Sq.mm earth wire				
3	Supplying drawing following size of FR PVC insulated copper conductor, single core cable in the existing surface/recessed PVC conduit/ PVC casing capping etc. as required.	Mts	40.00		
a	3x1.5 Sq.mm				

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
b	3x2.5 Sq.mm	Mts	15.00		
c	3x4 Sq.mm	Mts	80.00		
4	Supplying and fixing of following sizes of medium class PVC conduit along with the accessories in surface/ recess including painting in case of surface conduit , or cutting the wall and making good the same in case of recessed conduit as required for wiring.	Mtrs	30.00		
a	20mm				
b	25mm				
		Mtrs	15.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
5	S/F Modular type switch/ socket: Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	Each	8.00		
a	5/6 amps switch				
6	S/F Modular boxes, base & cover plate: Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.	Each	1.00		
a	1 or 2 Module				
b	4 module	Each	2.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
7	Supply and installation of following light fixtures complete with electronic ballast lamp, lamp holder, starter, starter holder and condenser to improve powerfactor duly wired up for use on 240V single phase 50 Hz AC supply with highbay luminaire closed version. Comprises of housing, reflector and glass cover etc as required. Philips HPK 2051x XHPIP 400W BU NB GL with Lamp	Each	6.00		
8	Supply and laying of 2 core x 1.5 sqmm FR PVC insulated copper conductor single core wire in the existing surface/ recessed steel/ PVC conduit as required.	Mts	12.00		
9	Supply & fixing following sizes of PVC casing & capping (white colour) with all required accessories, cover etc as required.	Mts	20.00		
a	20mm				
b	25mm	Mts	65.00		

Sl. No	Description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
10	Supplying and fixing metal box of 200mmx75mm x60mm deep on recess with suitable size of phenolic laminated sheet cover in front, including providing and fixing 6A PVC connectors, connection, painting etc. as required.	Each	3.00		
	GRAND TOTAL				