

***TENDER***

***FOR***

**CONSTRUCTION OF UNDERGROUND TANK AT  
PEROORKADA FACTORY OF HLL,  
THIRUVANANTHAPURAM**

**PART-III  
PRICE BID**

**TENDER NO. HLL/ID / 14/57  
NOVEMBER 2014**



**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 **Construction of Underground tank at Peroorkada factory of HLL.**

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 in case of proprietorship, 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.

## **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**

<b>SEC.</b>	<b>DESCRIPTION OF ITEM</b>	<b>AMOUNT (Rs.)</b>
<b>1</b>	<b>TOTAL AMOUNT</b>	

### Construction of Under Ground Tank at Peroorkada Factory at Thiruvananthapuram

SI No	DSR No	Description of item	Unit	Qty	Rate (₹ in words & in figures)	Amount (₹)
1	2.1.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed : All kinds of soil	100 sqm	5.00		
2	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means over areas (exceeding 30cm in depth. 1.5 m 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	Cum	65.00		
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	600.00		
4	4.1.6	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 fine sand : 6 graded stone aggregate 40 mm nominal size)	Cum	46.00		
5	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein	quintal	39.00		



### Construction of Under Ground Tank at Peroorkada Factory at Thiruvananthapuram

SI No	DSR No	Description of item	Unit	Qty	Rate (₹ in words & in figures)	Amount (₹)
6	5.3	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	cum	1.00		
7	5.2.3	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement .1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	cum	12.00		
8	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level: Thermo-Mechanically Treated bars	KG	46345.0		
9	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :				
a	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	53.00		

<b>Construction of Under Ground Tank at Peroorkada Factory at Thiruvananthapuram</b>						
<b>SI No</b>	<b>DSR No</b>	<b>Description of item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (₹ in words &amp; in figures)</b>	<b>Amount (₹)</b>
b	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sqm	760.00		
c	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	470.00		
d	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	172.00		
e	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	76.00		
10	4.7.1	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	9.00		

<b>Construction of Under Ground Tank at Peroorkada Factory at Thiruvananthapuram</b>						
<b>Sl No</b>	<b>DSR No</b>	<b>Description of item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (₹ in words &amp; in figures)</b>	<b>Amount (₹)</b>
11	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	Sqm	670.00		
12	13.46.1	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	Sqm	730.00		
13	10.5.1	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces	sqm	2.70		

### Construction of Under Ground Tank at Peroorkada Factory at Thiruvananthapuram

SI No	DSR No	Description of item	Unit	Qty	Rate (₹ in words & in figures)	Amount (₹)
14	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge , for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc).	KG	500		
15	10.2	Providing and fixing hand rails/frames/doors etc of approved size by welding etc. including cost of accessories and applying priming coat of approved steel primer.	KG	500		
16	13.53.1	Painting on G.I. Sections with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	Sqm	100		
17	18.71	Providing and laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :				

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a)	18.71.1	inlet pipe 100 mm dia C.I. Double Flanged Pipe	Meter	2		
b)	18.71.3	Outlet pipe 200 mm dia C.I. Double Flanged Pipe	Meter	2		
c)	18.71.3	Scour pipe 200 mm dia C.I. Double Flanged Pipe	Meter	2		
		<b>Total Amount for DSR Items</b>				
		<b>LMR ITEMS</b>				
1	LMR	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete. work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works upto plinth level (Note :- Cement content considered in this item is @ 390 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	Cum	390.00		

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SI No	DSR No	Description of item	Unit	Qty	Rate (₹ in words & in figures)	Amount (₹)
2	LMR	Providing and laying water proofing treatment to inside surfaces by applying two coats of cement slurry @ 4.4 Kg/ sqm mixed with water proofing compound conforming to IS : 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. And over to that applying 12 mm cement plaster finished with a floating coat of neat cement(for inside areas)of mix :1:3 (1 cement: 3 fine sand)	sqm	1500.00		
3	LMR	Supplying and fixing CI cover with frame for man holes:455x610 mm size CI cover (low duty) the weight of the cover to be not less than 55 Kg	Each	2		
4	LMR	Supplying and fixing of GI pipes as air vent pipe: 80mm dia pipe	Meter	15		
5	LMR	Providing and fixing PVC Rungs for steps	each	30		
6	LMR	Providing weld mesh (50mmx50mm-10Gx10G) for covering above sill including priming coat and two coat enamel paint.	sqm	7.00		
		<b>Total Amount for LMR Items</b>				