

TENDER

FOR

**EXTERNAL DEVELOPMENT WORKS AT
HLL IRAPURAM FACTORY, COCHIN**

**PART-III
PRICE BID**

**TENDER NO. HLL/ID / 14/17
FEBRUARY 2014**



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CONTENTS

S.NO	ITEM	PAGE NO.
1.	Commercial Conditions	2-5
2.	Special Conditions	6
3.	Schedule	7-16

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 **External development works at HLL Irapuram factory, Cochin.**

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

SEC.	DESCRIPTION OF ITEM	AMOUNT (Rs.)
1	Part A	
2	Part B	
	GRAND TOTAL	

EXTERNAL DEVELOPMENT WORKS AT IRAPURAM

Sl No	Code	Item	Unit	Quantity	Rate (₹)	Amount (₹)
	<u>PART-A</u>	<u>PAVEMENT AND ALLIED WORKS</u>				
1	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm	1200.00		
2	15.7.4	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	13.00		
3	15.3	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	6.00		
4	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	each	10.00		

EXTERNAL DEVELOPMENT WORKS AT IRAPURAM

Sl No	Code	Item	Unit	Quantity	Rate (₹)	Amount (₹)
5	15.19	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	kg	500.00		
6	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed; All kinds of Soil	cum	500.00		
7	4.1.7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering – All works upto plinth level. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	60.00		
8	7.1.1	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 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	10.00		

EXTERNAL DEVELOPMENT WORKS AT IRAPURAM

Sl No	Code	Item	Unit	Quantity	Rate (₹)	Amount (₹)
9	4.7.2	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 : 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	cum	80.00		
10	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	sqm	1500.00		
11	5.2.(3)	Reinforced cement concrete work in slabs, footings, walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, lintels, sunshades, stairs, shelves 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 20 mm nominal size)	cum	10.00		
12	5.9.(2)	Centering and shuttering including strutting, propping etc. and removal of form for reinforced cement concrete work	sqm	60.00		

EXTERNAL DEVELOPMENT WORKS AT IRAPURAM

Sl No	Code	Item	Unit	Quantity	Rate (₹)	Amount (₹)
13	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete	kg	1000.00		
14	LMR	Providing and laying factory made interlocking paver blocks 80mm thick of grade higher than M40 of approved manufacture & of approved design on a bed of neatly levelled sand about 50mm thick .The strata below sand to be properly levelled, compacted after watering. The blocks to be then neatly laid out & compacted manually. The gaps between the blocks if any to be filled with coarse sand & cleaning the surface clean as directed.	sqm	4000.00		
15	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	sqm	4000.00		

EXTERNAL DEVELOPMENT WORKS AT IRAPURAM

Sl No	Code	Item	Unit	Quantity	Rate (₹)	Amount (₹)
16	16.79	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in mechanical mix plant, carriage of mixed material by tipper to site, for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	cum	800.00		
17	16.69	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	40.00		

EXTERNAL DEVELOPMENT WORKS AT IRAPURAM

Sl No	Code	Item	Unit	Quantity	Rate (₹)	Amount (₹)
18	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade two or more coats on new work	sqm	450.00		
19	13.46	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	720.00		
20	13.41.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	sqm	200.00		
21	19.6.4	Providing and laying non-pressure NP2 class(light duty) R.C.C Pipes with collars joined with stiff mixture of cement mortar in the proportion of 1:2 (1 cement:2 fine sand) including testing of joints etc. complete: 300mm dia R.C.C Pipe	metre	20.00		
		Total for Part A (Civil)				

EXTERNAL DEVELOPMENT WORKS AT IRAPURAM

Sl No	Code	Item	Unit	Quantity	Rate (₹)	Amount (₹)
	<u>PART-B</u>	<u>FENCING AND GATE</u>				
1	2.8.1	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 sq m on plan) including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m; All kinds of soil	cum	60.00		
2	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering – All works upto plinth level.1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	15.00		
3	7.1.1	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:	cum	25.00		
4	4.3.1	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	sq.m	228.00		

EXTERNAL DEVELOPMENT WORKS AT IRAPURAM

Sl No	Code	Item	Unit	Quantity	Rate (₹)	Amount (₹)
5	5.2.(3)	Reinforced cement concrete work in slabs, footings, walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, lintels, sunshades, stairs, shelves 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 20 mm nominal size)	cum	7.20		
6	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete	kg	720.00		
7	4.7.2	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 : 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	cum	108.00		
8	10.2	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	2000.00		

EXTERNAL DEVELOPMENT WORKS AT IRAPURAM

Sl No	Code	Item	Unit	Quantity	Rate (₹)	Amount (₹)
9	16.18.1	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be struted on both sides and end post on one side only and provided with horizontal lines and two diagonal interwoven with horizontal wires, of barbed wire 9.38 Kg per 100 m (minimum) between the two posts fitted and fixed with G.I staples, turn buckles etc. complete (Cost of posts, struts, earth work and concrete work to be paid for separately):- Payment to be made per metre cost of total length of barbed wire used; With G.I barbed wire	m	500.00		
10	10.25.2	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	1250.00		
11	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade tow or more coats on new work	sqm	250.00		
		Total for Part B (Civil)				
		GRAND TOTAL (Part A + Part B)				