

***TENDER***

***FOR***

**MODIFICATION OF CORRIDOR BETWEEN  
PRIMARY AND SECONDARY PLANT AT  
KANAGALA FACTORY OF HLL, BELGAUM**

**PART-III  
PRICE BID**

**TENDER NO. HLL/ID / 14/38  
MAY 2014**



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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 **Modification of Corridor between Primary & Secondary plant at Kanagala factory of HLL at Belgaum.**

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**

1.1.1 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>Civil works</b>	
<b>2</b>	<b>Electrical works</b>	
	<b>GRAND TOTAL</b>	

MODIFICATION OF CORRIDOR FOR PRIMARY AND SECONDARY PLANT AT KANAGALA FACTORY OF HLL AT BELGAUM						
Item no.	DSR item no.	Item description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
		<b>Part A - Civil works</b>				
1(a)	15.13.1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead: Of area 3 sq. metres and below	each	4.50		
(b)	15.13.2	Of area beyond 3 sq. metres	each	14.00		
2	15.14.2	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead: Of sectional area below 40 square centimetres.	metre	27.00		
3	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	0.50		



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4	15.23.2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles above 25 mm and up to 40 mm	sqm	275.00		
5	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all loads including all lifts involved.	cum	30.00		
6	5.37.2	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 : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	0.50		
7	5.9.5	Centering and shuttering including strutting, propping etc. and removal of form for : a) Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	0.50		

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8	5.22 A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars.	kg	25.00		
9	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	0.50		
10	13.4.2	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	sqm	5.00		
11	14.43	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	605.00		

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12	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade				
	13.41.1	New work ( Two or more coats ) over and including water thinnable priming coat with cement primer				
			sqm	605.00		
13(a)	21.1.1.3	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	185.00		

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(b)	21.1.2.3	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	kg	150.00		
(c)	21.2.1	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	sqm	10.00		
(d)	21.3.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5.50 mm thickness	sqm	10.00		

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14	12.45.3	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling	sqm	270.00		

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Item no.	DSR item no.	Item description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
		section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm or both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
		12.5 mm thick tapered edge gypsum moisture resistant board.				
15	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 primer coat of approved steel primer etc complete	kg	1038		
16	10.28	Supplying and fixing guard rail (grade304) 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	kg	340.00		

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Item no.	DSR item no.	Item description	Unit	Quantity	Rate (Rs. in words & in figures)	Amount (Rs. in words & in figures)
		railing with necessary accessories & stainless steel bolts etc of required size ,on the top of the floor with suitable arrangement as per approval of Engineer-in charge				
17	LMR	Providing and laying heavy duty industrial tiles in 300mmx300mm size, thickness 10mm with water absorption less than 0.8% and modulus of rupture not less than 42 N/mm <sup>2</sup> , of approved make (Somany, Kajaria, Johnson, Endura, Nitco) in all colours and shades, tiles laid with spacers on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with joint filler of matching pigments and approved make etc., complete. The cost of tile should not be less than Rs.60/sqft.	sqm	280.00		
	<b>Part B</b>	<b>Internal Electrification</b>				
1		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	Point	35.00		

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2		Wiring for circuit / submain wiring along with earth wire with 2x1.5 sqmm + 1x1.5 sqmm earth wire of FRLS PVC insulated copper conductor single core cable in surface / recessd medium class PVC conduit as required.	m	250.00		
3		Supplying and fixing 25mm dia 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.	m	20.00		
4		Supplying and fixing modular blanking plate on the existing modular plate and switch box excluding modular plate as required.	Each	10.00		
5		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 5/6amps modular socket outlet and 5/6amps modular switch, connection etc as required	Each	5.00		



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6		Supply and installation of recess mounted LED downlight with aluminium reflector, PMMA diffuser, heat sink, ballast, lamp and all required electrical accessories complete as required. (Bajaj BZSLO18W WH / Crompton LCDH 20 CDL / GE GDRO18.56S1)	Nos	35.00		
7		Dismantling and refixing single phase DB in corridor. The DB has to be recess mounted by concealing the incoming and outgoing conduits. The item also includes removing and relaying the existing wires through out the recessed conduits complete with all required accessories as required.	Nos	1.00		
		<b>TOTAL – electrical works</b>				
		<b>GRAND TOTAL</b>				