

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM :: HYDERABAD-32
M&S - P&C

Tender Notice M&S/P&C/2017/11 26.04.2017
Tender Close on 17.05.2017 at 10.00 Hrs
Tender Open on 17.05.2017 at 13.30 hrs

Tender Document (Price Bid - Part B)

Name of work: Mechanical works for E&C of New water ring vacuum pump in OBT

S.No.	Description of work	Qty	Rate	Amount
	<p>Scope of Work - The scope of work involves collection of materials / equipment from stores / yard, shifting, laying, erection of pipe lines, valves, flanges , elbows, Tees, reducers etc. The pipelines and pipe fittings are to be aligned and joined by arc welding / connectors/ flange joint with bolts, nuts, washers and gaskets and clamped on supports at height of +12 Mtrs. to 0 Mtrs level as per drawing / BHEL Engineer's instructions. Equipments as mentioned have to be dismantled, shifted and erected as per drawing / BHEL Engineer's instructions. The rates quoted includes all the above work with contractor's welding electrodes,consumables, tools, tackles, equipments etc. Pipe & pipe fittings, required plates, channels, angles will be supplied by BHEL free of cost. The Contractor has to make own arrangement for lifting, handling and transportation of all materials, equip as required for the execution of the works. All necessary safety precautions like usage of safety belts at height works, usage of relevant PPEs etc. have to be taken care off by the contractor.</p> <p>The total work of E&C includes sequence of Civil and Mechanical works.Hence execution to be done as per instructions of site engineer</p>			
1	Dismantling of pipeline : Scope of work includes dismantling of present pipes, pipefittings, valves etc. and their shifting to the location as specified and instructed by the site engineer.	61 Mtrs	128.60	7905.60
2	Dismantling & shifting of existing ELMO pumping station - Scope of work includes dismantling of existing pumping stations and equipments and shifting as per the instructions of the site engineer.			
	a) Pumpset	2 Tons	800	1600
	b) Motor	0.85 Tons	941.17	800
	c) Silencer	0.2 Tons	1600	320
	d) Accessories	0.2 Tons	1600	320
3	Shifting and Erection of new PPI pumping station. The scope of work includes, shifting of new pumping equipments to the site location and erection of the equipments as per the instructions of the site engineer. The pumpset and motor have to be aligned on the platform, foundation bolts have to be fixed and levelled.			
	a)Pumpset	1.8 Tons	2400	4320
	b) Motor	0.85 Tons	2400	2040
	c) Silencer	0.2 Tons	4800	960
	d) Accessories	0.2 Tons	4800	960
4	Laying of Pipelines along with required pipe fittings			
	CS Pipe dia. 8"	18 Mtr	476.8	8582.4
	CS Pipe dia. 3"	19 Mtr	164	2952
	CS Pipe dia. 2"	20 Mtr	119.2	2145.6
	CS Pipe dia. 1.5"	6 Mtr	84.8	508.8
	CS Pipe dia. 1"	12 Mtr	44.8	537.6
	SS tube dia. 0.5"			
		54 Mtr	39.2	2116.8

5	Weld Joints : Butt Weld Joints in following pipes: ARC welding with contractors welding set, electrode. DP test to be done on all joints.			
	a) CS Pipe dia. 8"	30 Jts	731.9	21955.5
	b) CS Pipe dia. 3"	30 Jts	480	14400
	c) CS Pipe dia. 2"	30 Jts	360	10800
	d) CS Pipe dia. 1.5"	30 Jts	320	9600
	e) erection of following valves	50 Jts	240	12000
	f) SS tube dia. 0.5"	100 Jts	120	12000
6	Erection of following valves			
	a) Flange type Gate Valve dia. 3"	3 Nos	240	720
	b) Flange type Gate Valve dia. 2"	2 Nos	160	320
7	Installation of gauges - The works include fabrication of gauge points and installation of temperature gauges, pressure gauges	6 Nos	69.7	418.2
8	Laying and Welding of GI earth flat (50x10)	25 Mtr	40	1000
9	Fabrication : The scope includes fabrication and erection of pipe racks, hanger supports, pipe supporting brackets, platforms, base frames etc. Contractor has to arrange for transport to shift the material from BHEL stores to site and has to hand over the balance material to stores.	8 Tons	4552.2	36417.2
10	Flushing : The scope of work includes flushing, leakage testing and pressure testing of all pipelines. Compressed air blasting to be done to ensure proper cleaning of pipes.	LS	6800	6800
11	Painting : Supply of paints, painting materials, rust preventive red oxide, primers synthetic enamel and other related painting items and Painting of platforms, cover plates, staircase, pipes, railings/barricading and other structurals with rust preventive redoxide primer & Synthetic enamel by thoroughly cleaning all the surfaces free from scales, dirt and other foreign matter. Each coat shall be applied in an even and uniform film free from lumps, streaks, runs and uncoated spots. 1 Coat of rust preventive redoxide primer with 40 microns thick and 1 coat of synthetic enamel paint as approved by BHEL. Make: ASIAN/BRITISH/SHALIMAR.	200 Sq.Mtr	37.48	7496
total Estimation Rs.			169996	

Total Estimated value is Rs 1,69,996/- (excluding of Service Tax/GST)

Tender Charges in %	in figures	in words
Excess		
Less		
At par with estimation		

Note: The tenderers are required to quote their value in Percentage (%) basis at excess or less or on par with our estimated value (Estimate rate after considering the labour, material, PPEs, tools etc. required for the job.)

(Signature & Stamp of the Tenderer)