



### Unprice Bid Format

Section-1:: Price Estimate:: Erection, testing and commissioning of Mechanical Tie-In Works						
Item SI No	Item Description	UOM	Qty	Rate (in Rs.)	Amount (in Rs.)	Weightage %
1.0	<b>"The scope of work including but not limited to following within quoted rates.Preparation for execution of Tie-in points during shut down includes drawing free issue materials, prefabrication, necessary NDT, erection, supporting if required, carry out radiography etc by supplying tools &amp; tackles, supply of akilled and unskilled manpower &amp; consumables etc. Complete in all aspects — as per tie in point list &amp; instructions of Engineer—in charge. Contractor to consider execution during shutdown time work shall be executed on 24 X 7 basis</b>					
1.1	CS-NIBR, TIE-INS - UP TO 8"	Inch Dia	570.75	₹ 6,283	₹ 3,586,230.23	19.8831831%
1.2	CS-NIBR, TIE-INS - SIZE >8" TO <=12"	Inch Dia	614.25	₹ 4,216	₹ 2,589,760.46	14.3584428%
1.3	CS-NIBR, TIE-INS - SIZE > 12" TO <=16"	Inch Dia	326.25	₹ 4,091	₹ 1,334,700.32	7.3999964%
1.4	CS-NIBR, TIE-INS - SIZE > 16" TO <=20"	Inch Dia	78	₹ 3,573	₹ 278,716.15	1.5452896%
1.5	CS-NIBR, TIE-INS - SIZE >20" TO <=24"	Inch Dia	234	₹ 3,353	₹ 784,691.60	4.3505759%
1.6	CS-NIBR, TIE-INS - SIZE >32" TO <=48"	Inch Dia	1383	₹ 3,073	₹ 4,249,730.26	23.5618350%
1.7	CS-IBR, TIE-INS - UP TO 8"DIA	Inch Dia	190.25	₹ 6,616	₹ 1,258,688.91	6.9785654%
1.8	CS-IBR, TIE-INS - SIZE > 12" TO <=16"	Inch Dia	108.75	₹ 4,257	₹ 462,968.93	2.5668447%
1.9	SS-NIBR TIE-INS UP TO 8"	Inch Dia	178	₹ 14,544	₹ 2,588,874.37	14.3535300%
1.10	CS-IBR, TIE-INS - SIZE >8" TO <=12"	Inch Dia	204.75	₹ 4,406	₹ 902,138.29	5.0017371%
	<b>Total (Excl. Taxes)</b>				<b>₹ 18,036,500</b>	<b>100.00%</b>

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Section 2-Price Estimate: Miscellaneous Works: Dismantling of insulation and piping. Installation of insulation. Structure Erection.						
Item Sl. No.	Description	UOM	Qty	Rate(in Rs.)	Amount(in Rs.)	Weightage %
1.0	<b>Receipt from BHEL store, transportation to site, Erecting in position bolted and / or welded STRUCTURAL STEEL WORKS (IS 2062/grade E250~BR) like angles, channels, beams, plates, pipes, tubes,etc. including tools, tackles, &amp; assembly bolts, sag rods,,permanent bolts of grade 8.8 including all built-up sections/ compound sections made out of roiled sections and / or plates / bent plates for steel structures, Pipe rack , Pipe Bridge , T post, shed , staircase, platforms, structural pipe supports, MT rungs, welding nuts for fire proofing, other types of structures, etc. complete &amp; as directed by Engineer—in-Charge. Note :- 1) All structural steel will be free supply to bidder at site/storage yard. contractor to check transport the same at work place.</b>					
1.1	Structures	MT	6.00	₹ 21,316.26	₹ 127,897.56	5.3278124%
1.2	Providing and applying two component Acrylic – Polyurethane finish paint (40 micron at field) over already painted surface (Total DFT 260 micron) to achieve an even shade (Total DFT 300 micron) including protection and cleaning, scaffolding etc. all complete as per Sl.no. 1.2 table-01 of 080557C-000-JSD-2300-001_C.	MT	6.00	₹ 9,226.12	₹ 55,356.74	2.3059889%
	<b>Total for 1 (Excl taxes)</b>				<b>₹ 183,254</b>	
2.0	<b>Installation, testing and commissioning of Insulation and dismantling of existing insulation, steam tracing pipelines.</b>					
2.1	Removal, disposal of existing piping insulation as per BHEL/ IOCL instructions (This is inclusive of the existing mineral wool , Cladding ,insulation auxiliaries)	MT	40	₹ 20,371.14	₹ 814,845.69	33.9439246%
2.2	Removal, disposal of existing steam tracing piping as per BHEL/ IOCL instructions	MT	25	₹ 16,296.91	₹ 407,422.85	16.9719623%
2.3	Installation of insulation (This is inclusive of the mineral wool, , insulation auxiliaries and consumables)	MT	15	₹ 16,603.35	₹ 249,050.31	10.3746576%
2.4	Installation of Aluminium cladding including all hardware	MT	25	₹ 24,138.93	₹ 603,473.26	25.1388097%
	<b>Total for 2 (Excl taxes)</b>				<b>₹ 2,074,792</b>	
3.0	<b>Supply, erection, testing and commissioning of the following gate valves:</b>	<b>UOM</b>	<b>Qty</b>			
3.1	Size: 2” , VMS : 513 FE	Nos	2	₹ 13,225.91	₹ 26,451.81	1.1018997%
3.2	Size: 3” , VMS : 513 FE	Nos	3	₹ 25,364.96	₹ 76,094.87	3.1698742%
3.3	Size: 4” , VMS : 513 FE	Nos	1	₹ 39,971.09	₹ 39,971.09	1.6650705%
	<b>Total 3 (Excluding Taxes)</b>				<b>₹ 142,518</b>	
	<b>Grand Total (1+2+3) (Excl. taxes)</b>				<b>₹ 2,400,564</b>	<b>100.00%</b>

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Section 3-Price estimate:: Erection of Contro Trace Works				
Item Sl. No	Description	UOM	Rate (in Rs.)	Amount (in Rs.)
1.0	Installation, testing, and commissioning of Contro Trace® bolt on heating system as per BHEL approved drawings, instructions of BHEL site engineer and under supervision of contro trace material supplier	Inch Meter	₹ 78.89	2,761,228.63

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**Section-4:: Price Estimate: Supply and erection of Scaffolding with access ladder**

<b>Item Sl No</b>	<b>Description</b>	<b>UOM</b>	<b>Qty</b>	<b>Rate (in Rs.)</b>	<b>Amount(in Rs.)</b>	<b>Weightage %</b>
1.0	Scaffolding with access ladder for grade level above 12 meter level	Cum	8640	₹ 96	₹ 826,229	35.0104287%
2.0	Scaffolding with access ladder for grade level above 12 meter level upto 24 meter level	Cum	8640	₹ 111	₹ 957,931	40.5911548%
3.0	Scaffolding with access ladder for grade level above 24 meter level	Cum	4320	₹ 133	₹ 575,791	24.40%
	<b>Total (Excluding Taxes)</b>				<b>₹ 2,359,951</b>	<b>100%</b>