

**TENDER NO. BHEL/NR /SCT/MSIL MANESAR/ GTG & STG/823**

**FOR**

**Erection, Testing, Commissioning, Trial Operation & Handing over of 2 X Fr-V Gas Turbines & auxiliaries, 1X37 MW Steam Turbine & auxiliaries, Pipe Rack & Deaerator Structure, Piping, BOPs and Final Painting at M/s Maruti Suzuki India Ltd (MSIL) , Manesar, Gurgaon Haryana.**

**PART- II - PRICE BID**



**Bharat Heavy Electricals Limited**  
(A Govt. Of India Undertaking)  
**Power Sector – Northern Region,**  
**Plot No. 25 , Sector - 16A ,**  
**Distt. Gautam Budh Nagar,**  
**NOIDA – 201 301 (INDIA)**



ISO 9001, ISO 14001  
OHSAS 18001 and SA  
8000 certified company  
SubContract and  
Purchase Deptt.

**Bharat Heavy Electricals Limited**  
(A Govt. Of India Undertaking)  
**Power Sector – Northren Region,**  
Plot No. 25 , Sector - 16A ,  
Distt. Gautam Budh Nagar, NOIDA – 201 301.INDIA  
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**IMPORTANT NOTE**

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THIS TENDER SPECIFICATION ISSUED TO:

M/S -----

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RATE SCHEDULE

Sl. No	DESCRIPTION OF WORK	UNIT	QTY.	Rate in Rupees (In figures and words)	AMOUNT IN RUPEES (In figures and words)
1.0	<b>Lump sum</b> price for complete scope of work of erection, testing, commissioning, trial operation and handing over of 2 Nos. Fr-V Gas Turbine, Gas Turbine Generator, auxiliaries & BOP as per tender specifications (for items indicated in Annexure I.)				
2.0	<b>Lump sum</b> price for complete scope of work of erection, testing, commissioning, trial operation and handing over of 1X37 MW Steam Turbine, Steam Turbine Generator, auxiliaries & BOP as per tender specifications (for items indicated in Annexure II.)				
3.0	<b>Rate in Rs / MT</b> for Erection, Testing, Commissioning, Trial operation and handing over of Piping and their insulation of various piping systems of all types of materials such as AS, CS, SS etc. along with Insulation as indicated under Annexure - III of tender specifications.				
3.1	Carbon Steel Piping	M.T.	340		
3.2	Alloy Steel Piping	M.T.	80		
3.3	SS Piping	M.T.	30		
4.0	<b>Rate in Rs / MT</b> for complete work as per tender specification for application of insulation of piping system	M.T.	50		

5.0	STRUCTURAL STEEL ITEMS (AS MENTIONED BELOW)				
5.01	<b>Fabricating</b> using approved quality electrodes of 6013 or low hydrogen 7018 for plate thickness above 20 mm, pre-heating, packing and delivering at the stores or at site of the following categories of Structural <b>Steelwork</b> including supply of all necessary bolts, nuts & washers and one coat of approved Inorganic Zinc Silicate coating of 65-75 micron DFT after cleaning with manual / power tool cleaning to grade St-2 / St-3 of SIS 05 5900 or cl. 7.2.1.1 & 7.2.1.2 of IS:1477 (part-1)etc. all complete as per drawings and specifications.				
	Steel work consisting of <b>portal frames</b> , laced & plated columns, beams, fabricated with standard rolled sections, plates , flats, angles pipes etc.	M.T.	150		
5.02	Erection of structural steel as described in 1.01 with necessary erection bolts, nuts & washers, welding electrodes of 6013 or low Hydrogen electrodes of 7018 grade, wherever required, etc all complete as drawings and specifications.(Permanent bolts and Grouting will be paid for under separate items)	M.T.	150		
5.03	Supplying and erecting hot dip galvanised Heavy Duty <b>GI floor gratings</b> with minimum coating of 710 gms per sq.m. , staircase steps as per dwg including all fasteners, painting with two coats of aluminium paint at the places of site welding etc all complete as per specifications.	M.T.	75		
5.04	Supplying, fabricating, fixing in position 32NB <b>MS pipe handrails</b> at various elevation including cost of materials, consumables, labour, painting with <b>synthetic enamel paint</b> etc. all complete as per drawing and specifications.( Length of finished Railing only will be measured for payment)	R.M.	360		
5.05	Providing complete <b>Protective</b>	M.T	150		

	<b>coating system to Structural Steel</b> with one coat of Inorganic Zinc Silicate primer as touch up paint at all damaged surfaces, 65 microns DFT+ two coats of Chlorinated Rubber Zinc Phosphate Primer, 40 microns DFT each coat + two coats of Chlorinated Rubber finish paint, 40 microns DFT each coat, with all materials, consumables and scaffoldings complete as per specifications and drawings.				
5.06	Supply, Fabrication, transportation, delivery at site and erection, installation and alignment of mild steel foundation bolt assembly conforming to IS: 2062 and grade 1 of IS: 432 in concrete along with nuts, lock nuts (as per IS: 1363, 1364 and IS:3138), washers, anchor plates, stiffner plates, protective tape, pipe sleeves, templates etc. including welding, cutting, grinding, threading, drilling etc. all complete.	Quintal	30		
	<b>GRAND TOTAL AMOUNT IN (Rs.)</b>				

**NOTES:**

- 1 The quantities indicated above are tentative and are liable to vary depending upon the site requirement. The contractor has to handle / erect / commission all the items indicated by BHEL for achieving the milestones and completion of work.
- 2 Evaluation of bids shall be done on total price against this Rate Schedule / BOQ.
- 3 In case of any mismatch in Rate and amount on Price discrepancy, the same will be dealt as per clause No. 1.4 of GCC.

(Signature, date & seal of authorized representative of the bidder)