



Ranipet

Bharat Heavy Electricals Limited
Boiler Auxiliaries Plant, Ranipet –632 406
ERECTION SERVICES DEPARTMENT

TENDER DOCUMENTS

Page 1 of 4

BAP-ERN-MTPS-METTUR -ESP-UNIT-04-MECH-C-322

TENDER DOCUMENT

(BAP-ERN-MTPS-METTUR -ESP-UNIT-04-MECH-C-322)

UN-Priced-PRICE-BID (Page 01 of 02)**SCHEDULE OF RATES & QUANTITIES**

Scope of work: Execution of Mechanical Scope of works of ESPs involving receipt of materials from BHEL stores, Refurbishment of existing ESP, E&C of 2 Nos. of new parallel ESPs in Unit-4(210MW) of MTPS, Tamil Nadu, using contractor's own tools and plants, cranes , consumables, manpower etc.

S.No.	DESCRIPTION OF ITEM	QTY	UOM	Weightage in %.
	Part-A :-Refurbishment of Existing ESP			
A-01	Complete revamping of Fields of ESP by dismantling of the existing Internals and Erection, Alignment, Testing and Commissioning of existing ESP Fields with new Components / Materials supplied by BHEL. The field internals consist of Collecting Frames and Electrodes, Emitting Frames and Electrodes, Shock Bar Guide Assembly, Rapping Systems and their Drives, Hopper Deflection Plates Etc., for existing ESP fields in Unit-4, MTPS. The dismantled scrap materials are to be handed over to customer's stores/scrap yard. For detailed scope of work refer to the tender specification.	24	Fields	44.3484
A-02	Replacement of Inlet Gas Distribution (GD) screens including GD Primary and Secondary Screen Sheets, Suspension Arrangement, Deflection Plates Complete , Supports Etc., as per BHEL Drawings The dismantled scrap materials are to be handed over to customers stores/scrap yard. For detailed scope of work, refer to the tender specification.	4	Sets	1.1222
A-03	Replacement of OUTLET Gas Distribution (GD) screens, as per BHEL Drawings The dismantled scrap materials are to be handed over to customers stores/scrap yard. For detailed scope of work, refer to the tender specification.	4	Sets	1.0926
A-04	Erection of HVR handling system consisting of EOH, wire rope, D-Shackles, Monorails, Guiding Arrangement in the existing ESPs.	2	Sets	0.7383
A-05	Replacement of existing HVRs & Disconnecting switches with New HVRs and Disconnecting switches.	24	Sets	0.4607
A-06	Water washing of ESP Fields & Hoppers before commencement of Revamping work	2	Set	0.1453
	Part-B :- E&C of New parallel ESPs			
B-01	Receipt of materials from BHEL stores, transporting to unit #4 ESP area, erection, testing & commissioning of two no of NEW Parallel ESPs by using new ESP components, such as supporting structure, casing panels, roof panels, inlet/ outlet funnels, ducts, splitters, guide vanes GD screens, HVRs, disconnecting switches, CE, EE&GD Rapping systems Collecting electrodes, emitting electrodes, hand rails, HVR handling system, pent house, etc. complete as per BHEL design.	1520	MT	42.6426



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TENDER DOCUMENT (BAP-ERN-MTPS-METTUR -ESP-UNIT-04-MECH-C-322) UN-Priced-PRICE-BID (Page 02 of 02) SCHEDULE OF RATES & QUANTITIES				
B-02	INSULATION WITH CLADDING: Receipt of insulation materials from BHEL stores, transporting to ESP area, making of scaffolding arrangement, welding of studs, laying of 75 mm thick insulation wool, fixing of retainers and casing supports, fixing of aluminum cladding sheet etc. for New parallel ESP & ducts complete by using contractor's own tools, tackles, scaffolding materials, man power etc. as per drawings, and instruction of BHEL Engineer-in charge.	8000	SQ.mtr	6.2015
B-03	INSULATION WITHOUT CLADDING - Receipt of insulation wool from BHEL stores, transporting to ESP area, laying of wool over the ESP inner roof for Existing ESP and New parallel ESP as per BHEL drawings and instruction.	2000	SQ.mtr	0.5316
B-04	Erection testing & commissioning of Ash handling equipment consisting of Gate valves, mixing chamber, fluidizing pads, etc. Approx. total weight is 52 MT	2	sets	2.7168
K	TOTAL value for the above scope of work in Indian Rupees			QUOTED
M	GST @ _____ % \Rightarrow			
N	TOTAL value for the above scope of work in Indian Rupees inclusive of GST			QUOTED

SIGNATURE OF BIDDER

Note: \Rightarrow Vendor to quote only the "Rate of GST" in this copy of **Un-Priced Bid** in Column **(M)**.



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(BAP-ERN-MTPS-METTUR -ESP-UNIT-04-MECH-C-322)

PART-II Priced-PRICE-BID (Page 01 of 02)**SCHEDULE OF RATES & QUANTITIES**

Scope of work: Mechanical Scope of works of ESPs involving receipt of materials from BHEL stores, refurbishment of existing ESPs, E&C of 2 Nos. of new parallel ESPs in Unit-4(210MW) of MTPS,Tamilnadu, using contractor's own tools and plants, cranes , consumables, manpower etc.

S.No.	DESCRIPTION OF ITEM	QTY	UOM	Weightage in %.
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A-06	Water washing of ESP Fields & Hoppers before commencement of Revamping work	2	Set	0.1453
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K	TOTAL value for the above scope of work in Indian Rupees			
M	GST @ _____ %			
N	TOTAL value for the above scope of work in Indian Rupees inclusive of GST			

SIGNATURE OF BIDDER

Note: Vendor to work out his rates in a separate paper and quote only lump sum price for entire scope of work in column (K). Individual item rates for the above schedules will be arrived based on the lump sum price quoted by the bidder as per weightage indicated against each schedule. Applicable/Quoted GST amount will be payable extra. Any other entry elsewhere (individual item rate, if any) in the Price bid by the bidder shall be treated as Null and Void.

Note-1 You have to mention the rate of GST as indicated in the unpriced copy of the price-Bid

Note-2 In the case of resorting to reverse auction (Please ref. clause 32 of NIT under page:-7 of 18), you will be required to indicate your rate **inclusive** of GST in the computer-screen provided by our reverse auction agent.