

UN-PRICED BID FORMAT							
(To be submitted along with PART-1 BID with "QUOTED (Yes/ No)" written against Part-B) (DO NOT INDICATE ANY PRICE IN THIS FORMAT) This format contains three parts (Part-A, Part-B and Part-C)							
PROJECT: 2 x 660 MW Ennore SEZ Super Critical Thermal Power Project							Rev.00
ENQUIRY NO. : 88/22/6019/RRC dtd .22/11/2022							
ITEM/ WORK: Fabrication and Erection of Bottom Ash Hopper for Ash Handling System Package							
Part-A (Instructions to bidders)							
1	Bidders shall only quote 'Total Amount' in the price bid as per portal format. Any other entry elsewhere in the price bid shall be treated as Null and Void.						
2	The above mentioned 'Total amount' is for the entire Bill of Quantity (BOQ) given in Part -C of the Price Bid as per portal format.						
3	BHEL has pre-fixed the weightages for the amount of individual items of Bill of Quantity with respect to the 'Total Amount' in Part-C.						
4	Based on the pre-fixed weightages, the amount for the individual items of the Bill of Quantity shall be arrived at. This amount shall be rounded off to the nearest rupee.						
5	Based on the quantities of individual item and the amount arrived in Sl. No: 4 above, unit rate of individual items shall be derived. This unit rate shall be rounded off to four decimal places.						
6	Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed at the unit rate arrived at as per Sl. No. 5 above						
Part-B (Format to quote Total Amount)							
Total Amount for the entire Bill of Quantities (BOQ) given in Part C inclusive of Packing, forwarding and Freight charges but excluding GST. GST as applicable shall be payable extra at actuals.						In Figures: Rs. Quoted (Yes/ No)	
						In Words: Quoted (Yes/ No)	
Note: Bidders to quote Total Amount as per Price format of Portal only, which shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope defined in tender specifications and in accordance with all terms & conditions of tender. Price evaluation criteria shall be as per clause 19.0 of Commercial Conditions of Contract.							
Part-C (Bill of Quantities)							
CHP Electrical E&C Works							
SPECIFICATION NO : IS-1-15-2003/34							
Sl. No	ACTIVITY DESCRIPTION	UNIT	QTY	Weighted Rate (nearest to 7 decimal points)	HSN No. / SAC Code	GST % as applicable	
1	BOTTOM ASH HOPPER "VV" SHAPE						
2300	STRUCTURAL WORKS: Structural steel works including all labour, material (unless otherwise specified in BOQ/contract specification), equipments unless otherwise specified, transportation, handling etc. at all level as per specification, drawings and as directed by engineer - in - charge.						
2301A	Fabrication,erection and alignment of structural steel with mild steel rolled section / built up section / combination of both conforming to IS:2062, pipes conforming to IS:1161/ IS:1239, MS grating(For hoppers) etc. in columns, beams, hoppers, hangers, struts, stiffeners, wall beams, brackets, stub columns, bracings, cleats, base plates, splice plates, walkway platforms, ladders, stairs, stringers, treads, landings etc....connection design & preparation of fabrication drgs, collection of steel from stores, fabrication, straightening, cutting, bending, rolling, grinding, machining, drilling, threading, welding, electrodes and other consumables, alignment, erection bolts & nuts (weight of erection bolts, nuts and welds not payable), assembly, edge preparation, preheating (min preheat and interpass temperature of 20 degree Celcius for welding over 20 mm and upto 40 mm & 66 degree Celcius for welding over 40 mm and upto 63 mm & 110 degree Celcius for thickness over 63 mm) & use of low hydrogen electrodes for welding of steel (for all thickness), post heating, testing of welders, inspection of welds, visual inspection, non-destructive and special testing, rectification and correction of defective welding works, production test plate, inspection and testing, erection scheme, protection against damage in transit, stability of structures, installation of temporary structures, setting column bases, painting & touch-up painting, rectification, dismantling and removal of all temporary structures (weight of temporary structures not payable), return of surplus / waste steel materials to store etc all complete. Including appointment of a separate agency, approved by BHEL for preparation, review and approval of fabrication drgs, in consultation with BHEL (BHEL to supply structural steel free of cost). Electrode E-7018 to be used for Fabrication & Erection works for MS steel. Painting: a) Surface preparation- blast cleaning of steel structures to near white metal surface (Sa 2 1/2) as per SIS 05-5900 b) Primer- 2 coats of Zinc silicate epoxy (60 microns DFT each,120 microns DFT total) c) Intermediate coat – 2 coats of High built epoxy polyamide MIO (90 microns DFT each, 180 microns DFT total)	MT	86	0.66297900			
2301B	Shifting fabricated material issued by BHEL from store, Placement and Erection, alignment in position, Welding all connections, rectification and correction of defective welding works, painting & touch-up painting, as per approved drawings/ FQP and instruction of Engineer In-charge. Painting: a) Surface preparation- blast cleaning of steel structures to near white metal surface (Sa 2 1/2) as per SIS 05-5900 b) Primer- 2 coats of Zinc silicate epoxy (60 microns DFT each,120 microns DFT total) c) Intermediate coat – 2 coats of High built epoxy polyamide MIO (90 microns DFT each, 180 microns DFT total)	MT	19	0.08571970			
2307A	Erection and alignment of factory made electro-forged galvanised grating units with mild steel in flooring, platforms, walk-ways, passages, staircases with edge binding strips and anti-skid nosing in treads etc. including fixing clamps, fittings, fixtures, grinding, drilling, welding, edge & notch preparation, modification etc. all complete.(BHEL to supply grating free of cost)	MT	6	0.01186470			
2316A	Fabrication and erection of SS 316L Seal Trough in BAH including fixing with stainless steel studs, bolting (including countersunk), welding with electrode classification E308L for welding of stainless steel to stainless steel and E309 for stainless steel to mild steel, all complete. (The measurement for the item of stainless steel seal trough shall be based on the actual finished weight) (BHEL to supply stainless steel free of cost)	MT	7.5	0.12777260			

Sl. No	ACTIVITY DESCRIPTION	UNIT	QTY	Weighted Rate (nearest to 7 decimal points)	HSN No. / SAC Code	GST % as applicable
2322A	Fabrication and fixing of GI pipe hand railing of 32 mm/40 mm dia including transportation, loading/unloading, etc. all complete spec. (BHEL to supply handrail free of cost)	MT	1.5	0.00688900		
2323	Conducting radiography test on welds wherever specified including equipments, measuring devices, gauges, test report etc. all complete.	RM	5	0.00277440		
2324	Conducting ultrasonic test on welds wherever specified including equipments, measuring devices, gauges, test report etc. all complete.	RM	20	0.00778200		
2327	Conducting dye penetration test on welds wherever specified by the engineer including provision of necessary equipments, measuring devices, gauges etc. all complete (over and above the work already specified in the specifications.)	RM	50	0.01113640		
1.1	Hydro test/ water leak test of Bottom ash hoppers	Sets	1	0.06954840		
800	GROUTING: Grouting including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, roughening surface, cleaning, ramming, curing etc. at all level , drawings and as directed by engineer - in - charge.					
805	Providing & grouting of pocket holes, pipe sleeves, shear key pocket and under base plates of structural steel work/ machinery/ pipe supporting structures including roughening of surface, cleaning, machine mixing of grout, ramming, curing, etc. all complete with Conbextra GP-2 or equivalent as per specification, drawing and direction of engineer-in-charge.(Cost of all material and cleaning of the pockets by compressed air shall be in the scope of the contractor).	CUM	1.5	0.01353380		
	Total			1.00000000		