

Corrigendum 10 Dated Jan' 06, 2020 to Tender Specification BHEL PSSR SCT 1866 for the work of Structural Works of Coal Handling Plant and Ash Handling Plant area and Non-plant structure of Unit 1 & 2 (Package 2) for 2 x 660 MW Udangudi Supercritical Thermal Power Project, Tuticorin, Tamil Nadu

- 1) Price Bid published as Volume II of Tender BHEL PSSR SCT 1866 is revised. Price Bid-Revision 01 Volume II of Tender BHEL PSSR SCT 1866 is enclosed herewith.
- 2) Old Performa of Bank Guarantee for Earnest Money Deposit (EMD) was earlier enclosed in Volume 1A, Technical Conditions of Contract, Part II, Chapter 8 and hence stands deleted. New applicable Performa of Bank Guarantee for Earnest Money Deposit (EMD) i.e. Form WAM 23 is enclosed herewith.
- 3) The following clauses in NOTICE INVITING TENDER are revised as under -

Sl. No.	Ref. Clause	Existing	Revised as
1.	ANNEXURE - 1 <u>Pre-Qualifying Criteria</u> , Sl. No. C-1, Turnover	Bidders must have achieved an average annual financial turnover (Audited) of Rs.13,50,00,000/- (Rs. Thirteen Crores & Fifty Lakhs only) or more over last three Financial Years (FY) i.e 2016-17, 2017-18 and 2018-19.	Bidders must have achieved an average annual financial turnover (Audited) of Rs.14,85,00,000/- (Rs. Fourteen Crores & Eighty Five Lakhs only) or more over last three Financial Years (FY) i.e 2016-17, 2017-18 and 2018-19.)
2.	<u>Technical Pre-Qualification Criteria</u>	As per Annexure 3 of NIT	Technical Pre-Qualification Criteria as mentioned in Annexure 3 of NIT stands Revised. Bidders to refer Annexure-3 (Rev01) enclosed herewith.
3.	<u>Annexure to Pre-Qualifying Criteria</u>	As per Annexure 4 of NIT	Technical and Financial Pre-Qualification Criteria as mentioned in Annexure 4 of NIT stands Revised. Bidders to refer Annexure-4 (Rev 01) enclosed herewith

4) Some of the bidders sought clarifications in regard to TENDER SPECIFICATION BHEL PSSR SCT 1866 and BHEL's clarifications are furnished below for information

Sl. No	Clause Reference	Existing Clause	Query	BHEL Reply
1	Volume II Price Bid	Item No A2329, B2329, A2331, A2332 & B2332	As the details required by various vendors are not sufficiently cleared. Hence we request you de-scope the following items 1) A2329, 2) B2329, 3) A2331, 4) A2332 and 4) B2332	Price Bid has been revised. Bidder to refer the " Volume II Price Bid (Rev01) " enclosed herewith.

Note –

- 1) All other conditions of the tender specification remain unchanged.
- 2) Bidders are requested to consider this corrigendum as part of tender specification and quote accordingly.

-Sd-
Vinod Jaseja
Sr. Dy. Gen. Manager / SCT

TENDER SPECIFICATION
BHEL PSSR SCT 1866
FOR
Structural Works of Coal Handling Plant
and Ash Handling Plant area and Non-Plant
Structure of Unit 1 & 2 (Package 2) for
2x660MW Udangudi Supercritical Thermal
Power Project, Tuticorin, Tamil Nadu

VOLUME –II
PRICE BID REVISION 01

TECHNOCOMMERCIAL BID - Consists of Book- I & Book- II

Book- I Consists of

- Notice Inviting Tender
- Volume-IA: Technical Conditions of Contract

Book-II consists of

- Volume-IB : Special conditions of Contract,
Rev 01 dated 1st June 2012
Amendment 01 dated 1st October, 2015
- Volume-IC : General conditions of Contract
Rev 01 dated 1st June 2012,
Amendment 03 dated 1st October, 2015
- Volume-ID : Forms & Procedures
Rev 01 dated 1st June 2012
Amendment 01 dt 1st October. 2015



BHARAT HEAVY ELECTRICALS LIMITED

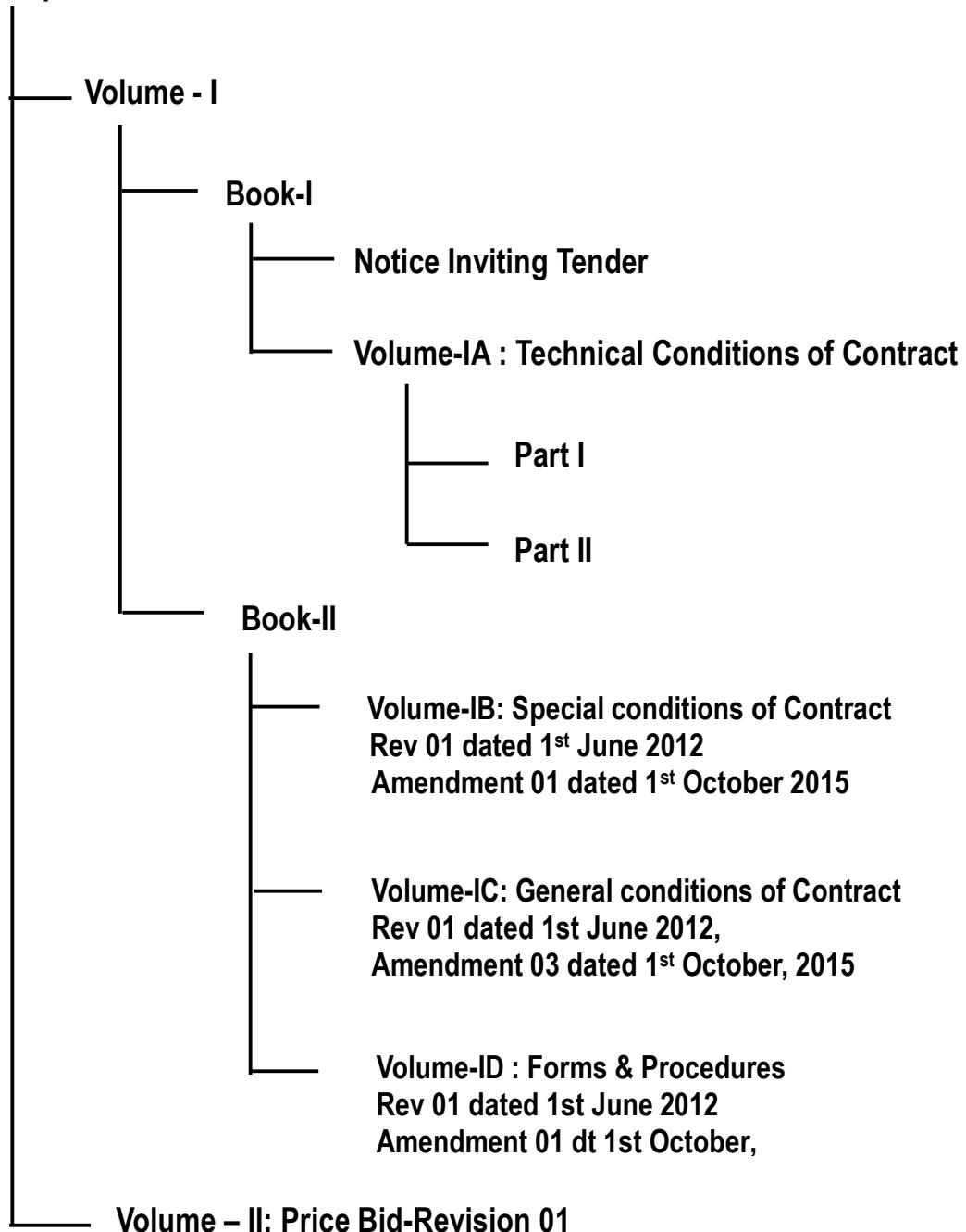
(A Government of India Undertaking)

Power Sector – Southern Region

690, Anna Salai, Nandanam, Chennai – 600 035

TENDER SPECIFICATION CONSISTS OF

Tender Specification



PRICE BID - REVISION 01

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PART A

Instruction to Bidders:

1. The quantity indicated in the BOQ in Part-C of Price bid Revision 01 is approximate only and is liable for variation. Payment will be as per actual quantity executed as certified by BHEL Engineer.
2. The 'Total amount' mentioned in Part-B of the Price Bid Revision 01 corresponds to the entire Bill of Quantities (BOQ) given in Part -C of the Price Bid - Revision 01.
3. Bidders shall quote 'Total Amount' in the format for Price Bid Revision 01 available in the e-procurement portal. Bidders may also quote 'Total Amount' in the format given in Part -B of the price bid Revision 01 of this document (Optional). Any other entry elsewhere in the price bid shall be treated as Null and Void. Quoting of rates in any other form / formats will not be entertained.
4. 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 of the price bid Revision 01.
5. 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.
6. Based on the quantities of individual item and the amount arrived in Sl No: 5 above, unit rate of individual items shall be derived. This unit rate shall be rounded off to four decimal places.
7. 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.6 above.

Part B: Format to quote Total Amount

Tender Specification BHEL:PSSR:SCT:1866 R1 for Structural works of Coal Handling Plant, Ash Handling plant and Non-plant structures - Package 2, Structural Steel Fabrication & Erection works

at Udangudi Thermal Power Station

	In Figures
Total Amount for the entire Bill of Quantities(BOQ) given in Part C	In words

Note :

Bidders to quote Total Amount in this format given above, which shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope defined in specification and in accordance with all terms & conditions of tender.

Date

SIGNATURE OF BIDDER WITH SEAL

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:1866 R1 for Structural works of Coal Handling Plant, Ash Handling plant and Non-plant structures - Package 2, Structural Steel Fabrication & Erection works

at Udangudi Thermal Power Station

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
800.0	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. (OPC Cement will be supplied by BHEL free of cost.)	--		
802.0	Providing & grouting of pocket holes, pipe sleeves under base plates, machinery, pipe supporting structures etc. with mix 1:1 (1 cement :1 sand) using non shrink admixture etc. all Complete.	CUM	15	.0005769
803.0	Providing & grouting of pocket holes, pipe sleeves and under base plate of structural steel work/ machinery/ pipe supporting structures including roughening of surface, cleaning, ramming, curing etc. all complete with mix 1:1:2 (1 cement : 1 coarse sand : 2 aggregate of 6 mm down graded stonechips) using non shrink admixture as per specification, drawing and direction of engineer-in-charge. (Cost of all material and cleaning the pocket by compressed air shall be in the scope of the contractor).	CUM	18	.0006723
804.0	Providing & grouting of pocket holes, pipe sleeves and under base plates of structural steel work/ machinery/ pipe supporting structures including roughening of surface, cleaning, ramming, curing etc. all complete with CombextraGP-1 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	2	.0001801
805.0	Providing & grouting of pocket holes, pipe sleeves and under base plates of structural steel work/ machinery/ pipe supporting structures including roughening of surface, cleaning, ramming, curing, etc. all complete with Combextra 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	18	.0026794
2300.0	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.	--		

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:1866 R1 for Structural works of Coal Handling Plant, Ash Handling plant and Non-plant structures - Package 2, Structural Steel Fabrication & Erection works

at Udangudi Thermal Power Station

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
A2301	Colection of material from BHEL stores, Transportation, 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, chequered plate conforming to IS: 3052, mild steel rounds, monorails, stays, safety chains, ladders, MS grating etc. in columns, beams, gantry girders, bunkers, silos, hoppers, roof trusses, portals, laced purlins, space frames, hangers, struts, monorails, galleries, stiffeners, wall beams, sheeting runners, brackets, stub columns, bracings, cleats, trestles, base plates, splice plates, chequered plate flooring, decking and seal plates, steel frame grid over false ceiling, walkway platforms, ladders, stairs, stringers, treads, landings, hand-rails etc including connection design & preparation of fabrication drgs, collection of steel from stores, fabrication, straightening, cutting, bending, rolling, grinding, machining, drilling, 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 20o C for welding over 20 mm and upto 40 mm & 660 C for welding over 40 mm and upto 63 mm & 110o C for thickness over 63 mm & use of low hydrogen/ radiogenic electrodes), 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, surface preparation by means of manual or mechanical power tools as per IS:1477 part 1, 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 seperate agency, approved by BHEL, for review and approval of fabrication drgs, in consultation with BHEL (BHEL to supply steel free of cost).	MT	10,216	.4598621
2302.0	Extra over ST NO. 2301 for blast cleaning of steel structures to near white metal surface(Sa 2 1/2) and applying epoxy based zinc phosphate primer in coats of minimum 25 micron (DFT) at shop and 25 micron (DFT) after erection, including touch-up painting etc all complete.	MT	150	.001469

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:1866 R1 for Structural works of Coal Handling Plant, Ash Handling plant and Non-plant structures - Package 2, Structural Steel Fabrication & Erection works

at Udangudi Thermal Power Station

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
A2302	Extra over ST NO. 2301 for blast cleaning by shot / metal blasting of steel structures to near white metal surface(Sa 2 1/2) as per SIS05-5900 and applying 2 coats of zinc silicate primer (one coat at shop and one coat after erection), including touch-up painting etc all complete as per specification.	MT	10,216	.1000509
2303.0	Extra over ST NO. 2301 for providing and application of two coats of primer consisting of chemical resistant epoxy resin and hardener (Minimum 1 Kg of primer mix shall be consumed for priming of 4 to 5 m ² area of surface), including touch up painting etc. all complete.	MT	150	.0000302
2304.0	Providing and applying two coats of synthetic enamel paint with minimum 50 micron total dry film thickness (DFT) of approved make and shade to achieve an even shade over steel sections already having primer coats and keeping overall DFT with primer not less than 110 microns including protection and cleaning, scaffolding etc. all complete.	MT	130	.0006204
A2305	Providing and applying two coats of High built epoxy finish paint of approved brand over steel sections already having primer coats. Dry film thickness of each finish coat shall be 90 microns. The undercoat and finish coat shall be of different tint to distinguish the same from finish paint. The total dry film thickness with primer shall not be less than 300 microns. The item includes protection, cleaning, scaffolding, touch-up painting etc. all complete as per specification.	MT	10,216	.0924149
2306.0	Providing, laying and clamping of crane rails over the crane girder at all elevations as per IS 3443 including all fixtures, clamps, testings etc. all complete as per drawing and specification.	MT	15	.0024899
2307.0	Supplying, fabrication, erection and alignment of factory made electroforged galvanised grating units with mild steel having minimum galvanisation conforming to IS:2062 in flooring, platforms, drain and trench covers, walk-ways, passages, staircases with edge binding strips and anti-skid nosing in treads etc. including fixing clamps, fittings, fixtures, all taxes, duties, packing, grinding, drilling, welding, edge preparation, etc. all complete.	--		
a	Minimum galvanisation of 610 g/sqm	MT	413	.0660622

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:1866 R1 for Structural works of Coal Handling Plant, Ash Handling plant and Non-plant structures - Package 2, Structural Steel Fabrication & Erection works

at Udangudi Thermal Power Station

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
b	Minimum galvanisation of 900 g/sqm	MT	10	.0017868
2311. 0	Providing and fixing in position of permanent mild steel bolts (class 4.6 as per IS : 1367 and grade 'C' as per IS: 1363) and nuts, washers etc. up to and inclusive of 39 mm diameter and upto 300mm long for structural steel work etc all complete.	KG	8,712	.0011354
2312. 0	Providing and fixing in positng of high strength structural bolts (of property class 8.8 and product grade 'C' as per IS: 1367) and conforming to IS: 3757 and high strength structural hardened and tempered nuts (of property class '8' as per IS:1367) conforming to IS:6623 with hardened and tempered washers as per IS:6649 etc. up to and inclusive of 39 mm diameter and upto 300 mm long for structural steel work etc all complete.	KG	34,507	.0048278
2313. 0	Dismantling of steel structure, lowering of material and carriage of the dismantled material up to field fabrication shop / projects storage including temporary dismantling, cutting, re-welding, supporting, and restoring to correct position all temporarily dismantled members, re-alignment of all adjacent connected members to their correct positions (weight of such adjacent members and temporarily dismantled members not payable), scaffolding, staging, tools & tackles, gas cutting, welding, consumables etc all complete.	MT	101	.0015571
2314. 0	Addition to, alterations in and/or modifiction of	--		
a	In erected position	MT	81	.0030589
b	In fabrication yard	MT	80	.0024682
2315. 0	Re-erection of dismantled fabricated structural steel members including carriage of modified	MT	11	.0002491

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:1866 R1 for Structural works of Coal Handling Plant, Ash Handling plant and Non-plant structures - Package 2, Structural Steel Fabrication & Erection works

at Udangudi Thermal Power Station

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
2318.0	Providing and fixing in position PTFE type sliding bearings of reputed manufacturer, individual bearing suitable for required vertical loads as per the construction drawings and for maximum displacement of (plus or minus) 50 mm including all taxes, duties, transportation, installation, drilling, bolting, erecting, aligning etc all complete for following vertical loads.	--		
a	20 Tons	EACH	15	.0003976
b	25 Tons	EACH	29	.000862
c	40 Tons	EACH	45	.0014341
d	50 Tons	EACH	41	.0013945
e	60 Tons	EACH	35	.0012654
f	100 Tons	EACH	58	.0023457
g	130 Tons	EACH	13	.0005815
h	200 Tons	EACH	9	.0004411
2319.0	Providing and fixing flexible open ended bellow strap of neoprene of minimum thickness 2 mm and minimum width 200 mm with aluminium stripped edges as sealing below top of bunker and bottom of tripper floor to avoid the coal dust nuisance all complete.	RM	75	.0004722
A2320	Each tower shall be provided with step bolts not less than 16 mm diameter and 175 mm long spaced not more than 450 mm apart, staggered on faces on one leg extending from about 0.5 meters above ground level to the tower. The step bolt shall conform to IS:10238. Ladders on towers with lighting appliances shall be provided with safety guards.	MT	1	.0001609

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:1866 R1 for Structural works of Coal Handling Plant, Ash Handling plant and Non-plant structures - Package 2, Structural Steel Fabrication & Erection works

at Udangudi Thermal Power Station

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
2323.0	Conducting radiography test on welds wherever specified including equipments, measuring devices, gauges, test report etc. all complete.	RM	62	.0001037
2324.0	Conducting ultasonic test on welds wherever specified including equipments, measuring devices, gauges, test report etc. all complete.	RM	85	.0001318
2325.0	Conducting ultasonic test on steel plates as per ASTM-A435 or equivalent wherever specified including equipments, measuring devices, gauges, test report etc. all complete.	SQM	63	.0000453
2326.0	Conducting magnetic particle test on welds wherever specified including equipments, measuring devices, gauges, test report etc. all complete.	RM	63	.000079
2327.0	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	5	.0000056
A2329	Design, supply, fabrication, erection of stoplog gates,sluice gates etc in CW Pumps/Sea water Intake/Outfall pumps made out of SS 316L with embedments required, lifting beams, special tools & plants, spare parts for three years, machining, casting, all materials such as structural steel, cast steel, stainless steel, brass used for seals, rubber seals, gears, ball and roller bearing, branch bushings, greasing, bolts, nuts, lugs, threaded fastners etc., cleaning, along with a second stage concreting to true plumb and levels, submission of drawings / fabrication drawings for engineers approval etc all complete as per approved drawings. The leakage through rubber seal shall not be more than 5 lit/min/metre length of seal under maximum head.(only weight of stainless steel including embedments shall be considered for payment purpose). (supply of stainless steel is in the scope of contractor only) (MS component, if any shall be paid separately under BOQ item no AA2329)	MT	142	.1409734
AA2329	Mild Steel component(including , blasting(SA 2 1/2) to near white metal surface) mentioned under ST no A2329.	MT	6	.0018111

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:1866 R1 for Structural works of Coal Handling Plant, Ash Handling plant and Non-plant structures - Package 2, Structural Steel Fabrication & Erection works

at Udangudi Thermal Power Station

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
B2329	Design, supply, fabrication, erection of stoplog gates/ screens in CW/ACW Pumps/Sea water intake & outfall pumps with embedments required, lifting beams, special tools & plants, spare parts for three years, machining, casting, all materials such as structural steel, cast steel, stainless steel, brass used for seals, rubber seals, gears, ball and roller bearing, branch bushings, greasing, bolts, nuts, lugs, threaded fastners etc., cleaning, sand blasting, hot double dip galvanised with minimum coating of zinc 750 gms/sqm., following by an application of etching primer and anti-corrosive Hi-build epoxy coating system of DFT 260 microns, erection along with a second stage concreting to true plumb and levels, submission of drawings / fabrication drawings for engineers approval etc all complete. The leakage through rubber seal shall not be more than 5 lit/min/metre length of seal under maximum head.(only weight of structural steel including embedments shall be considered for payment purpose). (SS component paid separately under BOQ item no A2331)	MT	20	.0060371
A2331	SS component mentioned under ST No. B2329.	MT	1	.0009928
A2332	Supplying, fabricating, erecting in position and testing / examining bolted and / or welded structural steel work for stationary coarse screens made out of stainless steel SS 316L mesh over SS 316L frame including cutting, straightening if required, edge preparation, bolting / welding of joints, cleaning, fittings etc all complete.	MT	65	.0645301
B2332	Supplying, fabricating, erecting in position and testing / examining bolted and / or welded structural steel work for stationary fine screens made out of stainless steel SS 316L mesh over SS 316L frame including cutting, straightening if required, edge preparation, bolting / welding of joints, cleaning, fittings etc all complete.	MT	32	.0317687
2334a	Supply Transporation and erection/Fixing, welding of MS Flat Toe guard of size 100mm x 8mm and shall be provided along the railing for all steel platforms/landings and RCC staircases as per drawings and specifications	MT	5	.0006582
2334b	Supply Transporation and erection/Fixing, welding of MS Flat Toe guard of size 65mm x 8mm and shall be provided along the railing for all steel platforms/landings and RCC staircases as per drawings and specifications	MT	4	.0005266

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:1866 R1 for Structural works of Coal Handling Plant, Ash Handling plant and Non-plant structures - Package 2, Structural Steel Fabrication & Erection works

at Udangudi Thermal Power Station

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
2335.0	Supply & welding of 10mm Sq bar to the chequered plate walk way at all conveyor galleries in CHP including all consumables as per the directions of engineer in charge.	MT	6	.0007899
TOTAL Weightage				1.0

PROFORMA OF BANK GUARANTEE (in lieu of EARNEST MONEY if permissible under Works Policy)

(On non-Judicial paper of appropriate value)
(Para 4.7.6 of Works Accounts Manual)

Bank Guarantee No.....
Date.....

To
(Employer's Name and Address)

.....

Dear Sirs,

In accordance with the terms and conditions of Invitation for Bids/Notice Inviting Tender No.....¹ (Tender Conditions), M/s.² having its registered office at³ (hereinafter referred to as the 'Tenderer'), is submitting its bid for the work of.....⁴ invited by Bharat Heavy Electricals Limited (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at *BHEL House, Siri Fort, Asiad, New Delhi – 110049* through its unit at *Bharat Heavy Electricals Limited, Power Sector Southern Region, 690, Anna Salai, Nandanam, Chennai 600035*

The Tender Conditions provide that the Tenderer shall pay a sum of Rs⁵ as Earnest Money Deposit in the form therein mentioned. The form of payment of Earnest Money Deposit includes Bank Guarantee executed by a Scheduled Bank.

In lieu of the stipulations contained in the aforesaid Tender Conditions that an irrevocable and unconditional Bank Guarantee against Earnest Money Deposit for an amount of⁶ is required to be submitted by the Tenderer as a condition precedent for participation in the said Tender and the Tenderer having approached us for giving the said Guarantee,

we, the(Name & address of the Bank)
..... having our Head Office at(hereinafter referred to as the Bank) being the Guarantor under this Guarantee, hereby irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer without any demur, merely on your first demand any sum or sums of Rs.....⁶ (in words Rupees.....) without any reservation, protest, and recourse and without the beneficiary needing to prove or demonstrate reasons for its such demand.

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.⁶.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Tenderer in any suit or proceeding pending before any Court or Tribunal, Arbitrator or any other authority, our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment hereunder and the Tenderer shall have no claim against us for making such payment.

We Bank further agree that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Tender or to extend the time of submission of from time to time or to postpone

for any time or from time to time any of the powers exercisable by the Employer against the said Tenderer and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Tenderer or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Tenderer or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Tenderer and notwithstanding any security or other guarantee that the Employer may have in relation to the Tenderer's liabilities.

This Guarantee shall be irrevocable and shall remain in force upto and including.....⁷ and shall be extended from time to time for such period as may be desired by the Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Tenderer but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms hereof. However, unless a demand or claim under this Guarantee is made on us in writing on or before the⁸ we shall be discharged from all liabilities under this Guarantee.

We, Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed.....⁶
- b) This Guarantee shall be valid up to⁷
- c) Unless the Bank is served a written claim or demand on or before⁸ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank

We, _____ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of
(Name of the Bank)

(Signature of Authorised signatory)

Date.....

Place of Issue.....

¹ Details of the Invitation to Bid/Notice Inviting Tender (Tender Ref. No. Eg. - BHEL PSSR SCT XXXX)

² Name of Tenderer

³ REGISTERED Office Address of the Tenderer

⁴ Details of the Work i.e Tender Description

⁵ EMD Amount as mentioned in Notice Inviting Tender

⁶ BG Amount in words and Figures (BG Amount shall be Minimum of EMD amount less Rs. 2 Lakhs)

⁷ Validity Date

⁸ Date of Expiry of Claim Period (Claim Period shall be minimum of 3 Months after the validity date of Bank Guarantee)

Note:

1. The BG should be on Non-Judicial Stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the State(s) where the BG is submitted or is to be acted upon or the rate prevailing in the State where the BG was executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Vendor/Contractor/Supplier /Bank issuing the guarantee.

2. In Case of Bank Guarantees submitted by Foreign Vendors-
 - a. From Nationalized/Public Sector / Private Sector/ Foreign Banks (BG issued by Branches in India) can be accepted subject to the condition that the Bank Guarantee should be enforceable in the town/city or at nearest branch where the Unit is located i.e. Demand can be presented at the Branch located in the town/city or at nearest branch where the Unit is located.
 - b. From Foreign Banks (wherein Foreign Vendors intend to provide BG from local branch of the Vendor Country's Bank)
 - b.1 In such cases, in the Tender Enquiry/ Contract itself, it may be clearly specified that Bank Guarantee issued by any of the Consortium Banks only will be accepted by BHEL. As such, Foreign Vendor needs to make necessary arrangements for issuance of Counter- Guarantee by Foreign Bank in favour of the Indian Bank's (BHEL's Consortium Bank) branch in India. It is advisable that all charges for issuance of Bank Guarantee/ counter- Guarantee should be borne by the Foreign Vendor. The tender stipulation should clearly specify these requirements.
 - b.2 In case, Foreign Vendors intend to provide BG from Overseas Branch of our Consortium Bank (e.g. if a BG is to be issued by SBI Frankfurt), the same is acceptable. However, the procedure at sl.no. b.1 will required to be followed.
 - b.3 The BG issued may preferably be subject to Uniform Rules for Demand Guarantees (URDG) 758 (as amended from time to time).

NOTICE INVITING TENDER

Annexure 3 (Rev 01)

PRE QUALIFICATION CRITERIA – Technical

B. Technical PQR

Bidder should have executed the following (B.1 and B.2) in the last seven years from the latest date of bid submission:

B.1 Bidder should have executed similar work for any one of the following in the last seven years from latest date of bid submission.

B.1.1 One (1) work of value not less than **Rs. 39.60 Crores.**

(OR)

B.1.2 Two (2) works each of value not less than **Rs. 24.75 Crores.**

(OR)

B.1.3 Three (3) works each of value not less than **Rs. 19.80 Crores.**

Note for B.1.1 to B.1.3:

- 'Similar works' shall be as per following,

Piling or Civil or Structure or 'Civil and Structural works' or RCC Chimney or RCC Cooling Tower or RCC Silo or Mill Bunker or any combination of these shall be considered similar works.

- The value of work executed in PQR clause B.1 above will be updated with indices for "All India Avg. Consumer Price index for industrial workers" and "Monthly Whole Sale Price Index for All Commodities" with base month as per last month of work execution and indexed up to three (3) months prior to the month of latest due date of bid submission as per following formula:

$$P = R + \left\{ \frac{0.425 \times R \times (X_N - X_0)}{X_0} \right\} + \left\{ \frac{0.425 \times R \times (Y_N - Y_0)}{Y_0} \right\}$$

Where,

P = Updated value of work

R = Value of executed work

X_N = All India Avg. Consumer Price index for industrial workers for the month, three months prior to the month of latest due date of bid submission

X_0 = All India Avg. Consumer Price index for industrial workers for last month of work execution

Y_N = Monthly Whole Sale Price Index for All Commodities for the month, three months prior to the month of latest due date of bid submission

Y_0 = Monthly Whole Sale Price Index for All Commodities for last month of work execution

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(AND)

B.2 Bidder should have executed the following in the last seven years preceding the latest due date of bid submission.

Executed the Structure work for:

B.2.1 Executed at least **2,669 MT** of Structure Fabrication work, completed within a period of twelve consecutive months in one running/completed contract.

(AND)

Executed at least **2,669 MT** of Structure Erection work, completed within a period of twelve consecutive months in one running/completed contract.

(OR)

B.2.2 Executed at least **4,004 MT** of Structure Fabrication work, completed within a common period of twelve consecutive months in cumulative of two running/completed contracts.

(AND)

Executed at least **4,004 MT** of Structure Erection work, completed within a common period of twelve consecutive months in cumulative of two running/completed contracts.

Notes to Technical PQR

- 1) The term "Executed" in PQR B.1 & B.2 above means the bidder should have achieved the criteria specified even if the contract has not been completed or closed.
- 2) No consortium bid is allowed for this Tender. However, for the purpose of qualification, after successful execution of one work with a consortium partner under direct orders of BHEL, the Prime Bidder shall be eligible for becoming a 'standalone' bidder for works similar to that for which consortium partner was engaged, for subsequent tenders

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ANNEXURE – 4 (Rev 01)

Additional Format to be submitted by Bidders separately as "Annexure to Pre-Qualifying Criteria".

Non submission of this additional format will make the bid liable for rejection

Name of the Bidder: M/s.....

Sl. No.	PQR Ref	PQR (Reproduced from Annexure – 1)	Qualifying Experience	Work order Ref with page no in Offer for supporting documents	Completion certificate ref for the referred Work with page no in Offer for supporting documents	Details of work with Project, Unit, Quantity / rating & Period	Remarks
1	Technical B.1	<p>Bidder should have executed the following in the last seven years from latest date of bid submission.</p> <p>B.1.1 One (1) work of value not less than Rs. 39.60 crores. (OR)</p> <p>B.1.2 Two (2) works each of value not less than Rs. 24.75 crores. (OR)</p> <p>B.1.3 Three (3) works each of value not less than Rs. 19.80 crores.</p> <p>Note: Similar Works above means Piling or Civil or Structure or 'Civil and Structural works' or RCC Chimney or RCC Cooling Tower or RCC Silo or Mill Bunker or any combination of these.</p>					

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	Technical B.2	Bidder should have executed the following in the last seven years preceding the latest due date of bid submission.					
	B.2.1	<p>Executed the Structure work for:</p> <p>B.2.1 Executed at least 2,669 MT of Structure Fabrication work, completed within a period of twelve consecutive months in one running/completed contract.</p> <p style="text-align: center;">(AND)</p> <p>Executed at least 2,669 MT of Structure Erection work, completed within a period of twelve consecutive months in one running/completed contract.</p> <p style="text-align: center;">(OR)</p> <p>B2.2 Executed at least 4,004 MT of Structure Fabrication work, completed within a common period of twelve consecutive months in cumulative of two running/completed contracts.</p> <p style="text-align: center;">(AND)</p> <p>Executed at least 4,004 MT of Structure Erection work, completed within a common period of twelve consecutive months in cumulative of two running/completed contracts.</p>					
2	Financial C-1	<p>TURNOVER</p> <p>Bidders must have achieved an average annual financial turnover (Audited) of Rs. 14,85,00,000/- (Rs. Fourteen Crores Eighty Five Lakhs only) or more over last three</p>					

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		Financial Years (FY) i.e 2016-17, 2017-18 and 2018-19					
3	<u>Financial</u> C-2	NETWORTH (only in case of Companies) Net worth of the Bidder based on the latest Audited Accounts as furnished for 'C-1' above should be positive					
4	<u>Financial</u> C-3	PROFIT Bidder must have earned profit in any one of the three Financial Years as applicable in the last three Financial Years defined in 'C-1' above based on latest Audited Accounts.					
	C-4	Bidder must not be under Bankruptcy Code Proceedings (IBC) by NCLT or under Liquidation/ BIFR, which will render him ineligible for participation in this tender, and shall submit undertaking to this effect.					

Note:

- 1) BIDDER SHALL SUBMIT PRE-QUALIFICATION CRITERIA FORMAT (Refer Annexure-4), DULY FILLED-IN, SPECIFYING RESPECTIVE ANNEXURE NUMBER AGAINST EACH CRITERIA AND FURNISH RELEVANT DOCUMENT INCLUSIVE OF WORK ORDER AND WORK COMPLETION CERTIFICATE ETC. IN THE RESPECTIVE ANNEXURES IN THEIR OFFER