



TENDER DOCUMENT

For Works Contract

For Tender Enquiry No : FCX/TW/22/11

For

"Civil work for 10MTPH capacity Gas fired Boiler Plant inside factory area."

Contact Person :

Name : Ms Deepali Sharma

Designation : Dy. Manager (CCC-MM)

Email : deepali@bhel.in

PH : 0510 – 2770001-2419

Or

Name : P B S Ekka

Designation : AGM (CMM)

Email : pbsekka@bhel.in

PH : 0510 – 241 – 2549

Tender Due Date :- 18-10-2022 at 13 :15 Hrs

Tender Opening Date : 18-10-2022 at 14 :00 Hrs

**Material Management Department
BHEL, PO : BHEL, Jhansi 284120 (UP)**

Detail of Bidder and Documents to be submitted along with Technical Bid

Please number your documents in continuation with tender documents at bottom (footer) of page.

S.No.	Particular	Detail	
1.	Name of the firm		
2.	Name of the Proprietor/Partners		
3.	Address		
4.	Mobile No.		
5.	E-mail ID		
Documents			
	Particular	Detail	Page No
6.	Acceptance of Terms & conditions Signature on all pages without conditions of contractor	Submitted/ Not submitted	
7.	Blank price bid format duly signed by the contractor.	Submitted/ Not submitted	
8.	Copy of ESI Registration	ESI No-	
9.	Copy of PAN card	PAN No-	
10.	Copy of GST registration	GST No-	
11.	Self declaration as per as per annexure V on Rs 100 stamp paper.	Submitted/ Not submitted	
12.	Copy of ownership of firm	Submitted/ Not submitted	
13.	Reciept of tender fees deposition	Amount	
14.	Reciept of EMD deposition	Amount	
15.	Copy of turn over and income tax return for last three year i. 2019-20 ii. 2020-21 iii. 2021-22	Submitted/ Not submitted	

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**Factory Civil Department****TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/22/11****DATE:- 03-10-2022**

16.	Work Experience i. Work order ii. Completion Certificate iii. Bill of Quantity Relevant TDS/TRACES (in case of Experience in private sector)	Submitted/ Not submitted	
17.	Copy of PF registration	PF No-	

We will fulfill all the obligations of the contractor and abide by the terms & Conditions mentioned in the enquiry.

Date :-

Signature With Name & Seal

We hereby accepted above (Signature & seal of bidder)**Seal & Signature OF BHEL contracting authority**

TABLE OF CONTENTS**PART I: TECHNO-COMMERCIAL BID**

Sl no	Section	Page No.
1.	TENDER ENQUIRY NO.	01
2.	DETAIL OF BIDDERS & DOCUMENTS TO BE SUBMITTED	02-03
3.	TABLE OF CONTENT	04
4.	NOTICE INVITING TENDER	05-07
5.	BRIEF DESCRIPTION OF WORK	08-15
6.	QUALIFYING CRITERIA	16-17
7.	GENERAL TERM AND CONDITIONS OF ENQUIRY	18
8.	TECHNICAL SPECIFICATION	19-21
9.	BLANK PRICE BID JS-472	21
10.	Annexures-(I-XII) (shall be uploaded separately)	22
11.	DECLARATION BY BIDDER family firms or sister concern affiliates / subsidiary firms are participating in the tender (Annexure- A)	23
12.	SOP For Implementation of Risk and Cost	24

PART II: PRICE BID**(Separate envelope)**

S. No.	Section	Page No.
1.	PRICE BID (JS-146)	25

NOTICE INVITING TENDER



Factory Civil Department**TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/22/11****DATE:- 03-10-2022****1- NOTICE INVITING TENDER**

S. No.	Particulars	Details
1.	Name of work	Civil work for 10MTPH capacity Gas fired Boiler Plant inside factory area.
2.	Tender Evaluation Criteria	As per GTC issued by "Central Contracting Cell" and Tender Documents.
3.	Duration of the Contract	6 Months
4.	Last date of receipt of the Tender	(As on page # 1)
5.	Date of opening Tender	(As on page # 1)
6.	Address for submitting the tender	(As on page # 7)
7.	Earnest Money Deposit (EMD)	Rs. 39790/-
8.	Cost of tender (Non refundable)	Rs. Nil
9.	Validity of Offer	120 days
10.	Defect liability period	12 months after completion of work.
11.	GST	As applicable
13	Reverse Auction	BHEL Shall be resorting to reverse auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in the reverse auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking
12.	Start-up scheme Benefit	Not Applicable

Note: The EMD may be accepted only in the following forms:

(i) Electronic Fund Transfer credited in BHEL account (before tender opening)

BHEL account details: Bank Name: - SBI; A/c No.:- 10670828866 ; IFSC Code:- SBIN0003807 A/c Holder Name:- BHARAT HEAVY ELECTRICALS LIMITED

(ii) At BHEL cash office through POS machine **No Demand Drafts shall be accepted.**

The contractors may physically visit the work place before quoting their rates. For relevant details, please visit our website "www.bhel.com" & "www.eprocure.gov.in"

Note: BHEL takes no responsibility for any delay / loss of documents or correspondence sent by courier or post. Late tenders shall be rejected outright.

The techno-commercial bid comprising (i) all its sections, (ii) all enclosures in support of various clauses and requirements and (iii) EMD, shall be duly signed and sent in a sealed envelope boldly super-scribing **"PART-I TECHNO COMMERCIAL BID FOR "Civil work for 10MTPH capacity Gas fired Boiler Plant inside factory area**

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI

Factory Civil Department

TENDER DOCUMENT

TENDER ENQUIRY NO. : FCX/TW/22/11

DATE:- 03-10-2022

". Similarly, the Price-bid must be duly signed and sent in a sealed envelope boldly super-scribing **"PART-II PRICE BID Civil work for 10MTPH capacity Gas fired Boiler Plant inside factory area "** Both these envelopes shall be placed inside 3rd sealed envelope super-scribing" duly signed and sent in a sealed envelope boldly super-scribing **Civil work for 10MTPH capacity Gas fired Boiler Plant inside factory area.**

The tender shall be addressed to as follows:

Name : Ms Deepali Sharma

Designation : Dy. Manager (CCC-MM)

Email : deepali@bhel.in

PH : 0510-2770001-2419

Sealed Tenders can be submitted (i) personally, (ii) by Courier, or (iii) by post.

If submitted personally

Tender Box

Security Control Room/Office

Administrative Building

Bharat Heavy Electricals Limited

Jhansi-284120 (U P)

Or if sent through Courier / Post

Office of

Name : P B S Ekka

Designation : AGM (CMM)

Email : pbsekka@bhel.in

PH : 0510-2770001-2549

Part-I Techno Commercial bid:

Part I of the sealed tenders alone will be opened by BHEL in the presence of tenderers who are present at the time & place of opening. A signed blank price-bid copy should be enclosed with this bid. The spaces for prices should be crossed (x).

Part-II Price bid:

The price bid should contain prices only. Price bid will be opened only for the parties who qualify in techno commercial bid.

TO BE SIGNED BY THE TENDERER

Certified that all Sections of the Tender have been read / complied & agreed to, and each page of the tender offer has been signed & stamped.

(Signature of Authorized person(s))

Brief Description of Work / Scope of work

S. No.	DSR 2016 Reference	DESCRIPTION OF ITEM	Unit	Qty
1	1.1.2/68	By Mechanical Transport including loading, unloading and stacking Earth upto 1 km .	Cum	80.00
2	2.6.1/76	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	Cum	48.00
3	2.7.1/76	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. - ordinary rock	Cum	80.00
4	2.7.3/76	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. - Hard rock (blasting prohibited)	Cum	32.00
5	2.25/79	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	98.00

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**Factory Civil Department****TENDER DOCUMENT****TENDER ENQUIRY NO. : FCX/TW/22/11****DATE:- 03-10-2022**

S. No.	DSR 2016 Reference	DESCRIPTION OF ITEM	Unit	Qty
6	2.31/80	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared	Sqm	300.00
7	4.1.3/88	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : "1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	Cum	20.00
8	4.1.6/88	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size).	Cum	14.00
9	5.1.2/97	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	Cum	67.00
10	5.1.3/97	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	17.00
11	5.2.2/97	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	2.00

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S. No.	DSR 2016 Reference	DESCRIPTION OF ITEM	Unit	Qty
12	5.3/97	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement: 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	Cum	1.00
13	5.9.1/98	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete	Sqm	30.00
14	5.9.3/99	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Suspended floors, roofs, landings, balconies and access platform	Sqm	3.00
15	5.9.5/98	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	10.00
16	5.22.6/100	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	5220.00
17	6.1.2/111	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	14.00
18	6.4.2/111	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	7.00

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S. No.	DSR 2016 Reference	DESCRIPTION OF ITEM	Unit	Qty
19	7.1.1/119	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	1.00
20	9.21.1/148	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	3.00
21	10.2/182	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	108.00
22	11.3.1/191	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate.	sqm	22.50
23	11.4/191	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	sqm	169.00

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S. No.	DSR 2016 Reference	DESCRIPTION OF ITEM	Unit	Qty
24	11.41.2/197	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 500x500 mm	Sqm	48.00
25	13.1.2/227	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	Sqm	118.00
26	13.2.2/227	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	Sqm	48.00
27	13.26/229	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	468.00
28	13.41.1/230	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including priming coat with cement primer.	Sqm	234.00
29	13.44.1/230	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm).	Sqm	234.00
30	13.62.1/233	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	Sqm	2168.00
31	15.2.1/253	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	4.00
32	15.3/253	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	82.00

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S. No.	DSR 2016 Reference	DESCRIPTION OF ITEM	Unit	Qty
33	15.7.4/253	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	Cum	12.00
34	15.9.2/253	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : In cement mortar	Cum	9.00
35	15.19/255	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	Kg	4454.00
36	15.28.1/255	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. sheet	Sqm	6.00
37	15.28.2/255	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: Asbestos sheet	Sqm	1485.60

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S. No.	DSR 2016 Reference	DESCRIPTION OF ITEM	Unit	Qty
38	21.1.2.1/374	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately)For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	68.00
39	21.17	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	Kg	5.00

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S. No.	DSR 2016 Reference	DESCRIPTION OF ITEM	Unit	Qty
40	DSR-16	Items covered in DSR-2016 but not covered above	DSR-2016	1.00
S No		DESCRIPTION OF ITEM	Unit	Qty
41	NS-1	Supply and installation of coated galvalume steel sheet of approved colour (Maximum height up to 30.0 m) having maximum of pitch of 205 mm c/c and minimum 28 mm crest depth in length for roofing / side cladding as per site requirement. The supplied material is to be manufactured out of 0.50 mm TCT (Total coated thickness) and 550 MPA tensile strength, with zinc aluminium alloy of AZ-150 (As per AS-1397:1993). The sheet shall have a hot dip metallic zinc aluminium alloy coating of zinc (43%), silicon (1.5%) and aluminium (55%) with total mass coating of 150 gms/sqm considering both sides together , self drilling/self tapping screws with EPDM seal fixed to the existing MS purlins/MS runners complete as per drawing and as directed by engineer-in-charge.	Sqm	1442.00
42	NS-2	Supply & fixing of flashings, ridges, cappings, corner pieces etc. made of 0.5mm TCT galvalume sheet in required shape and size having a yield strength of 550 Mpa (with 150gsm/sqm minimum coating mass total of both side as per AZ 150), SMP colour coating provided on exposed face with 20 microns thick finish and inner face provided with back-coat pre-coating of 5-7 microns & fixed with stitching screw complete.	Metre	175.00

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S. No.	DSR 2016 Reference	DESCRIPTION OF ITEM	Unit	Qty
43	NS-3	Providing and fixing fire retardant and U.V. resistant profiled and solid transparent embossed polycarbonate sheet of minimum 3 mm thick with profile to match with that of adjacent galvalume sheets on roof with self drilling/self stitching fasteners with EPDM seal for transmission of light, fixing of the sheet to the existing support system underneath as per the standard practice complete and as directed by engineer-in-charge. The solid transparent polycarbonate sheet shall be free from scratches and other surface damage and it shall be UV treated and tested as per relevant ASTM or DIN or AS etc. as the case may be.	Sqm	45.00
44	NS-4	Fabrication and erection of structural steel works at all heights (Maximum height up to 30.0 m) consisting of, railing, clamps, purlins with channels & angles, M.S. flat, M.S. tubes, supports including all connections as per detailed drawings connected steel works etc. cleats, gusset plates all bolts, nuts, washers, base plates, anchor bolts etc., as per detailed drawings cutting welding and painting 1 coats of red oxide primer before erection & 2 coats of synthetic enamel paint/Aluminium paint of approved brand & colour after erection complete. Advani made electrodes or other approved make electrodes are to be used. All bolts, nuts, washers, gas, electrodes are in contractor's scope. Fabrication to be done as per I.S. codes of latest revision. (All the materials are in contractor scope except the Structural steel. Structural steel shall be provided by BHEL free of cost.) (Make of paint and primer shall be Asian, Berger, Narolac and Shalimar)		
	(a)	Only fabrication	Kg	19610.00
	(b)	Only erection	Kg	19610.00

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

Qualifying Requirements

1. Copy of PAN Card to be submitted.
2. Copy of GST Registration to be submitted.
3. Self-Declaration undertaking duly signed with stamp of the bidder on letter Pad of contractor to be submitted.
4. Copy of independent ESI Registration.
5. Signed copy of Blank Price Bid.

6. Similar Completed work- The bidder should have the experience of having successfully completed similar work against completed work order in past seven years ending last day of the month previous to the one in which applications are invited for amounting to values mentioned as under:

One Work valuing not less than **Rs 15.91 Lakhs.** Or

Two works each valuing not less than **Rs 9.95 Lakhs.** Or

Three works each valuing not less than **Rs 7.96 Lakhs.**

Definition of Similar Work: All type Civil construction/Maintenance /Renovation works.

(Note: For verification by the department, work order copy and work completion certificate mentioning successful completion by the client shall be submitted by the vendor. If the work is done for a private customer, relevant TDS Certificate (TRACES Only) must be submitted as evidence in addition to above work completion certificate & work order copy by the vendor.

7. Turnover criteria: Average annual financial turnover during the last three years, ending 31st March , 2022 {i.e. FY-2019-20, FY-2020-21 and FY 2021-22) applicable as per norm shall be at least **Rs 5.97 Lakhs.** Duly audited financial statement/balance sheet/certified by CA to be submitted as supporting documents. If all balance sheet/financial statement are not available for three years than the average shall be calculated by dividing the sum of turnover of submitted balance sheet/certificate from CA/Financial statement by three.

Note-1:- Benefits under MSMED Act: Being a work contract involving usage of incidental material, benefits under MSMED act will not be applicable under this contract.

Note-2:- Benefits under Start Up Scheme: Considering critical quality aspects and technical specification implications for the work, no relaxation shall be given to Start-up bidders on account of *turnover criteria* & prior experience.

8. Documentary proof in support of above eligibility criteria along with EMD shall be submitted along with Techno Commercial Bid.(EMD Rs.- 39790.00)

9. The documents required for legal entities under whose name and style contractor has participated in the tender are as follows:

- (i) Partnership Firm: Partnership Deed & registration certificate issued by office of registrar of Firms.
- (ii) Company: Certified copy Memorandum of Association, Article of Association and Incorporation Certificate.
- (iii) Society:- Registration certificate issued by Registrar of societies.
- (iv) Sole Proprietor-ship: Undertaking on oath (Rs. 100 stamp paper) that Proprietor is solely responsible for all rights and liabilities while working under the name and style of Sole Proprietorship firm namely (_____).

10. Bidders are required to submit a self-declaration to avoid cartel formation on their letter head as per the Format enclosed in **Annexure A**.

**GENERAL TERMS AND CONDITIONS OF ENQUIRY FOR WORKS
CONTRACTS (JHS 2055C R02)**

UPLOADED IN SEPERATE FILE - PAGE NO 01 TO 14
(To be signed by contractor and submitted along with bid)

TECHNICAL SPECIFICATION

1. The works shall be executed with the directions, instructions, which shall be given to the contractor by BHEL from time to time and as per technical specifications in price schedule and drawings available in the office to give a general idea of the work to be executed and is liable for modifications during the actual execution based on the designs prepared and approved by the Competent authority.
2. If the specifications found wanting relevant technical specifications along with the tender shall be followed. Further missing details relevant CPWD and IS specifications shall be followed. Wherever, there is difference in between CPWD and IS specifications latter shall prevail.
3. For execution of all scheduled items CPWD specifications and relevant IS codes are to be followed. For execution of non-scheduled items specifications enclosed with this tender are to be followed.
4. Specialized works are to be executed by specialized agency with the approval of BHEL.
5. The materials in the scope of contractor shall have to be got approved by the contractor from the Engineer-in-charge before supplying inside the factory area. Testing of these materials (If required) shall be carried out at any BHEL or Govt approved/NABL approved lab whose cost will be borne by the contractor.
6. Contractor shall ensure that quality is maintained in all works connected with this contract all stages as per requirement of BHEL. Contractor shall ensure all inspection, measuring and testing equipment are calibrated by authorized agency/BHEL and valid calibration must be available with them for verification by BHEL.
7. The contractor shall be fully and finally responsible for correctness and quality of his work to the entire satisfaction of the BHEL/Customer.
8. If in the opinion of the contractor any work is insufficiently specified or required modifications, the contractor shall refer the same in writing to the Engineer and obtain his instruction/approval in writing before proceeding with the work. If contractor fails to refer such instance, any excuse for faulty erection, for poor workmanship or delay in completion shall not be entertained.
9. Material reconciliation statement has to be submitted by the contractor as & when required by BHEL.
10. The BHEL reserves the right to deviate either by additions or by deductions from the schedule of items of work given in the tender document after awarding work.
11. The quantity of items in the BOQ can vary to any extent during the execution as per the actual site requirement as per instruction of Engineer-in-Charge with restriction of awarded value of work and the contractor shall not be liable for any claim of compensation on this account.
12. In case of any difference between agreement, wording and detailed drawings the interpretation of the BHEL shall be final and binding on the contractor.
13. The final acceptance of work in all items are subject to proper performance regardless of whether the items are paid for or not.
14. If discrepancy in specifications observed between schedule of quantities and general / technical conditions, the specifications in schedule of quantities will have precedence over the general / technical conditions.
15. Water will be supplied free of cost at one point for drinking and construction.
16. Quantity records shall be prepared, maintained and submitted by contractor on regular basis during the course of execution. Test records shall be prepared, maintained and submitted by contractor during the course of execution and as demanded by Engineer-In-Charge. Contractor shall strictly adhere to quality requirements and shall follow the norms mentioned in Field Quality Plan (if applicable).
17. In case of defective work BHEL will have full right to reject the work or part thereof. Such defective work if any, will have to be rectified by the contractor at his on cost. The opinion of Engineer in charge shall

be final in this matter. If the defective work is allowed to stand BHEL shall have the absolute right to reduce the rates for such items and the contractor shall have no claims over such defective work allowed on reduced rates.

- 17 The contractor shall have to make his own storage sheds for materials to be issued by BHEL. If deemed necessary by engineer in charge, the contractor shall make separate store for cement with double lock system. The empty cement bags shall be stocked at one place and at least 90% of them shall be returned to BHEL at BHEL stores in good condition without any additional payment. Therefore, if the total quantity of 90% empty cement bags is not returned by the contractor, the same will be recovered at the rate of Rs 3/- per bag from the bills.
- 18 For all natural minerals used in the work like sand, aggregate etc. royalty certificate (MM-11) must be submitted along with bills. If royalty certificate is not submitted the cost of royalty shall be deducted from contractors bill as per prevailing Govt. order including penalty as applicable.
19. Any electric power required for contractors' lighting/machinery for the purpose of work including fabrication work shall be supplied FREE OF COST at one point by the company on the written request of the contractor, subject to the observance of rules and regulations of Electric board / company. If it is observed that power is being wasted, BHEL shall have the right to recover cost of such consumption including arrears. Power will not be allowed for cooking and room (air) heating in winter season: For this purpose, on written application chargeable power can be allowed. The rates shall be the rates applicable for industrial consumption in U.P.

20. ACCOUNTING

- a) Proper method of accounting of steel, TOR steel, cement & scrap material shall be followed. The books of such accounting be offered for auditing by BHEL at pre-decided regular interval.
- b) All debris and surplus materials shall be cleared from the site as and when directed by the Engineer-in-charge. Any temporary structure / stores made by the contractor for the work shall be demolished and site cleared before payment of final bill.
- c) Structural steel wastage /scrap shall be permissible upto 2% of total quantity of issued quantity. The wastage /scrap steel must be return by contract for reconciliation of steel. Wastage scrap beyond 2% will deducted @ Rs.75 per kg.

21. METHODS OF MEASUREMENTS

Except where any general or detailed description of the work in quantities expressly shows the contrary, schedule of quantities shall be deemed to have been prepared and measurements shall be taken in accordance with the procedure set forth in the schedule of rates – specification notwithstanding any provision in the relevant standard method of measurement or any general or local custom. In the case of items which are not covered by the CPWD schedule of rates – specification, measurement shall be taken in accordance with the relevant standard method of measurement issued by the Indian standards institution.

22. FREE ISSUE MATERIAL TO THE CONTRACTOR.**SCHEDULE "A"**

S No.	Particulars	Rs.	Quantity
1	Structural steel	Free of cost	As required
2	Welding electrode	Free of cost	As required
3	Cement Bags (50 KGs)	Free of cost	As required

Note: Tools and Plants if issued to contractor on chargeable basis than the amount shall be deducted as per rates decided by BHEL prior to issue.

23. Payment terms - as per work contract GTC (JHS2055C R02). 70% payment on completion of activity as per BOQ against monthly bill and balance 30% on completion of all the activities as per BOQ against final bill. Contractor to raise bills for the completed activities in a month.

BLANK PRICE BID (JS 472)

Attached seperately

GST Extra

Don't Fill rates in this sheet.

Annexures (I-XII)

Attached below

(To be signed by contractor and submitted along with bid)

ANNEXURE –A

DECLARATION BY BIDDER (on letter pad)

We declare that the following family firms or sister concern affiliates / subsidiary firms are participating in the tender No- _____.

1.0.....

2.0.....

3.0.....

I..... , hereby declare on behalf of
M/s..... and the family firms or sister concern
affiliates / subsidiary firms listed above that we are not indulging in cartel formation for tender
No.....

Name & signature of the bidder
(Seal)

SOP For Implementation of Risk and Cost (TOTAL 10 PAGES)

UPLOADED IN SEPARATE FILE

(To be signed by contractor and submitted along with bid)

Format JS 146 - Price Bid Sheet (in a separate envelope)

UPLOADED IN SEPARATE FILE