



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Tender Document

Name of Work: - Structural Fabrication & Erection work for manufacturing of CLH and VLH Production Shop at BHEL HERP Varanasi

TENDER NO.: HERP/WCM/FY25/OG/SHOP/CLH-VLH

DATE. 16/10/2025

1. Notice Inviting Tender	:	Page 2
2. Directions to Parties for Tendering.	:	Page 3
3. Details of Bid & Bidder	:	Page 4
4. Pre-Qualifying criteria (PQC)	:	Page 5-6
5. Scope of Work (Annexure-A)	:	Page 7-13
6. Special Condition of Contract (Annexure-B)	:	Page 14-15
7. BOQ and Price Schedule (Annexure-C)	:	Page 16-21
8. Drawing (Annexure-D)	:	Page 22
9. FQP (Annexure-E)	:	Page 23-25
10. Make of Items (Annexure-F)	:	Page 26
11. Time Schedule (Annexure-G)	:	Page 27-28
12. Safety at Work (Annexure-H)	:	Page 29-32
13. No deviation Certificate	:	Page 33
14. Bidder's declaration	:	Page 34
15. General Conditions of Contract (GCC)	:	Page 35 to 62



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Notice Inviting Tender (NIT)

TENDER NO - HERP/WCM/FY25/OG/SHOP/CLH-VLH

DATE. 16/10/2025

Open Tender is invited for '**Structural Fabrication & Erection work for manufacturing of CLH and VLH Production Shop at BHEL HERP Varanasi**' as per details mentioned under:

Last Date of submission of Tender	27/10/2025	Time :	As per NIC
Date and Time for opening of Technical Bid	27/10/2025	Time :	

Name of work	Earnest Money Deposit	Security Deposit (SD)	Period of contract	Cost of Tender Document	Reverse Auction
Structural Fabrication & Erection work for manufacturing of CLH and VLH Production Shop at BHEL HERP Varanasi	Rs. 2.0 Lakhs	10% of the contract value	150 Days	NIL	Applicable

- All NIT/ Tender document/ Corrigenda / Addenda / Amendments / Time extensions etc. to the tender will be hosted on NIC portal (<https://eprocurebhel.co.in/>), only and will not be published in any other media. Tender NIT will also be floated on <http://www.bhel.com> & <https://herp.bhel.com> for vide publication. Bidders should regularly visit above websites to keep themselves updated.
- **Bidder to note that this is an e-tender and bidders have to submit this only through NIC portal (<https://eprocurebhel.co.in>) site only. No hard copies of tender shall be accepted.**
- Tenderers shall deposit the above EMD (refundable) before Tender Opening in any one of form as mentioned at clause no. 2.4 of GCC at page no. 41 of NIT. No Exemption of EMD submission will be given to any Bidder. **Without EMD, tenders will be rejected.**
- Bidder is requested to contact undersigned for any query or clarification.

(Issued by)
Atendr Kumar Pal
Manager (WCM)
Email: atendrpal@bhel.in
Telephone No. 0542-2720-928

1. BHEL reserves the right to accept or reject any/ all application(s) without assigning any reason thereof.
2. If any document submitted by the bidder is found false at any stage, the bid/ work order will be cancelled immediately and the financial loss to BHEL if any in making alternative arrangement will be recovered from the contractor.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

DIRECTIONS TO PARTIES FOR TENDERING

1. Bidder to note that work will be awarded at lowest quoted Rates. All other details regarding the same will be as per General Condition of Contract (GCC).
2. **Reverse Auction will be conducted for this tender.**
3. Party may visit the site for assessment of actual quantum or nature of work if they wish before quoting their rates.
4. This is Two part bid system and the bidder should submit Technical Bid & Price Bid as per details mentioned under:

Details of Tender Document

The Tender document has been detailed as follows:

Part-I (TECHNO-COMMERCIAL BID)

1. Notice Inviting Tender (NIT)
2. Details of Bid & Bidder
3. Pre-Qualifying criteria (PQC)
4. Scope of Work (Annexure A)
5. Special Conditions of Contract (Annexure B)
6. BOQ & Price Schedule (Annexure C)
7. Drawing (Annexure D)
8. FQP (Annexure E)
9. Make of Items (Annexure F)
10. Time Schedule (Annexure G)
11. Safety at Work (Annexure H)
12. No deviation certificate
13. Bidder's Declaration
14. General Condition of Contract (GCC)

Part-II (PRICE BID)- Price to be quoted on NIC Portal only

5. Tenders shall be opened by authorized officers of BHEL at their office at the time and date as specified in the tender notice in the presence of bidders or their authorized representative who may be present.
6. A representative of bidder (only 01 per bidder) shall be permitted to be present at the time of opening of bid. However, ***the bidder should give prior intimation of the same & seek permission after giving details of its representative by contacting designated person as per details mentioned in NIT at least 01 days in advance.***
7. The successful Tenderer shall submit security deposit (if applicable) and must sign contract agreement (if required) within 15 days from the date of LOA given by Bharat Heavy Electricals Limited and further start the work under reference.
8. All expenses towards procurement of Stamp paper and preparation of contract agreement shall be in the scope of contractor.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Details of Bid & Bidder (To be filled by bidder)

Sl. No.	Description	To be filled by bidder												
1	Bidder Offer No. & Date													
2	Legal Name of the bidder (as mentioned in GST registration)													
3	Address for Communication	Address: <table border="1"><tr><td>State</td><td></td></tr><tr><td>PIN code:</td><td></td></tr><tr><td>Mobile No.</td><td></td></tr><tr><td>Phone / Fax No.</td><td></td></tr><tr><td>Name of Contact Person</td><td></td></tr><tr><td>Email ID</td><td></td></tr></table>	State		PIN code:		Mobile No.		Phone / Fax No.		Name of Contact Person		Email ID	
State														
PIN code:														
Mobile No.														
Phone / Fax No.														
Name of Contact Person														
Email ID														
4	Type of firm	Individual / Proprietorship / Partnership / HUF / Association of Persons / Private Limited company / Public Limited company												
5	GST registration No.													
6	PAN No.													
7	UDYAM Registration No.													
8	Remark (If any)													

Certificates to be attached:

Copy of PAN, GST Registration Certificate., UDYAM Certificate.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Pre- Qualifying Criteria (PQC)

Sr No	PRE-QUALIFYING CRITERIA (PQC)	Applicability
	TECHNICAL PQC: Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which bids are invited. Bidder shall essentially meet all the Qualifying Requirements of A as under.	
A	<p>A1. One completed works having total executed value of each contract not less than Rs 128.63 Lakh including taxes.</p> <p style="text-align: center;">Or</p> <p>A2. Two completed works having total executed value of each contract not less than Rs 80.39 Lakh including taxes.</p> <p style="text-align: center;">Or</p> <p>A3. Three completed work having executed value not less than Rs 64.31 Lakh including taxes.</p>	APPLICABLE
Similar work means:	STRUCTURE FABRICATION AND STRUCTURE ERECTION FOR CONSTRUCTION OF WORKSHOP/ FACTORY / INDUSTRY/ WARE HOUSE/ STRUCTURAL OVERBRIDG UP TO MINIMUM 11.50 METER HEIGHT IN ANY GOVERNMENT ORGANIZATION/PSU/STATE GOVT. ORGANIZATION/ PRIVATE LIMITED COMPANY	



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Document Proof	<ol style="list-style-type: none">1. Copy of work order along with completion certificate or Commissioning certificate or MOM (confirming completion or Commissioning of work) or handing over certificate from Bidder's customer for similar works shall be submitted in Techno-commercial bid. BHEL reserves the right to verify the contents of given certificate. Complete postal address, name of contact person, phone no. & email address of issuing authority is to be submitted by the Bidder in Techno-commercial bid. In case BHEL intends to visit Bidder's customer, the same shall be facilitated by Bidder (expenditure of visit of BHEL official shall be borne by BHEL). 2. For technical evaluation, the executed value of the work as defined under definition of similar work only will be considered.
Financial PQC: Bidder shall essentially meet all the Qualifying Requirements of B as under	
B	<p>Bidders should have minimum annual average turnover of Rs 48.23 Lakh during the last 03 financial years 2021-22, 2022-23 and 2023-24. Bidder to submit following documents for this-</p> <p>B1. CA Audited Profit / Loss and Balance Sheet Or B2. If financial statements are not required to be audited statutorily, then instead of audited financial statements, Turn Over statements are required to be certified by Chartered Accountant. And B3. Net Worth Positive in last 03 financial years 2021-22, 2022-23 and 2023-24.</p> <p>All the CA certified/ audited documents should have UDIN</p> <p style="text-align: right;">APPLICABLE</p>



Technical Conditions of Contract (TCC)

Annexure-A

Scope of work

1. Procurement of raw material as per specification of BOQ (Annexure-C).
2. Procurement of raw material, loading, transportation, unloading, receipt at site, assembly, painting & erection is in scope of work.
3. Installation of required hardware, rain water down take pipes, Galvalume Steel Roof & wall cladding sheets, Turbo Ventilators, Polycarbonate sheets, other miscellaneous roofing items, sliding gate, HSFG bolts, Supply of paint etc. and Handing over of the same complete in all respect. The above scope of work is applicable for all the BOQ items of this tender.
4. **Column Foundation Bolts & its nuts for all columns shall be in the scope of Bidder. Grade of the material and detail drawing will be provided by BHEL to L1 bidder.**
5. HSFG bolts and other MS bolts will be supplied by bidder under quoted price.
6. Fabrication of Structure as per BHEL Drawing & BHEL Engineer instruction attached in Annexure-D.
7. **Fabrication of the all items will be done at HERP premises only.**
8. Civil Work for column foundation and other will be done as per BHEL Engineering instruction in line with attached drawing in Annexure-D.
9. Any materials (as per BOQ) will be allowed to use only after inspection by BHEL.
10. Erection of Fabricated items will be done after making all safety arrangement required for the job and inspected by BHEL safety officer.
11. Height work permit will be taken by bidder before start of all erection activity.
12. After fabrication of the items, quality of the fabrication will be checked by BHEL and after getting clearance from BHEL all fabricated items will be erected.
13. Qualified welders will be deputed for fabrication and erection work by bidder. BHEL may do welder test for welder before deputing on job as per their requirement and if welder fails in BHEL welding test than he will not be allowed for Job.
14. All materials will be new and meet all technical specification as per BOQ. Old and reused materials will not be allowed.
15. Preparation of suitable and stable firm working platform for working at more than 3 metre of height.
16. Working platform will be prepared with steel scaffolding pipes only. No wooden



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

materials are allowed for any type of working platform.

17. Stability of platform will be checked by BHEL safety officer before start of the work. Instruction of BHEL safety officer will be final and bound to implemented by bidder before start at height work.
18. No height work will be allowed without permit of BHEL safety department.
19. Arrangement of all required materials for safe working platform as per BHEL requirement will be in bidder scope and BHEL will not pay any extra payment for the same. The same should be covered in above quoted price.
20. Presence of bidder's Safety supervisor and Site supervisor/Engineer are mandatory for execution of work. No work will be allowed in absence of bidder's Safety supervisor and Site supervisor/Engineer.
21. This is very critical height work and all required arrangement for safe working at height will be arranged by bidder as per BHEL Safety department like safety net, safety belt, working platform, safety helmet. Life line, shoes e.t.c.
22. BHEL will not pay any extra charges for any type of safety equipment requirement but bidder will be bound to bring all safety requirement for safe working at height as per instruction of BHEL safety department.
23. All materials & tools required for safe completion of work with good quality as per BHEL instruction will be arranged by bidder in their quoted price and no extra payment shall be made by BHEL.
- 24. All erection work will be carried out at height between + EL 8.0 Meter to + EL 16.0 Meter.**
25. Bidders have to make suitable arrangement for all type of erection work like wire rope slings, Crane, Guide rope, life line, working platform and all other requirement for safe completion of erection of material as per BHEL Drawing & BHEL Engineer instruction.
- 26. Minimum weight of single unit material will be 4.0 MT which will be erected at maximum height of 16.0 meter.**
- 27. Selection of crane (type and capacity) will be done by bidder after considering of point no 27. BHEL will check crane load chart before start of erection. Erection will be done in safe working zone of crane only.**
- 28. Design drawing will be provided by BHEL. Final design drawings shall be provided to the L-1 bidder along with Letter of Intent (LOI/LOA). However, minor changes may still be made in the final design drawings as per technical requirements of project.**
- 29. Detail Fabrication drawings & Assembly drawings are in bidder scope. No additional**



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

payment on account of fabrication drawing will be paid by BHEL. Fabrication drawing will be prepared in line with BHEL Design drawing. Fabrication drawing will be prepared for fabrication purpose only.

- 30.** Bidder to submit detailed Bill of Materials with weight of all structure members along with Fabrication drawing.
- 31. PAINTING SCHEDULE:** - Supply of paint is in the scope of above work. Structural / steel members will have 1 coat of Zinc Chromate primer followed by 2 coats of synthetic enamel paint. DFT of this painting work shall be minimum 110 microns. Paint and primer make shall be as per Annexure-F. Painting will be done after proper surface cleaning.
- 32.** After completion of erection, touch up painting should be done where ever paints got peel-off during transportation and erection.
- 33.** Welding shall be strictly in accordance with IS 9595.
- 34.** In case of any ambiguity between detailed design drawings, Bill of Quantities and specifications, then decision taken by BHEL Shall be final.
- 35.** Pre Bid meeting will be conducted for bidder by BHEL. Bidders are advice to participate in the meeting for comprehensive understand of the nature & criticality of the work.
- 36.** **Payment will be made by BHEL only for finish items weight (fabricated & erected) and not as per Raw material weight. Bidders are advised to bring Raw material in line with fabrication drawing to avoid scraps.**
- 37.** **Bidder may take out Fabrication and erection scraps of their materials after completion of work with valid material entry record.**
- 38.** **BHEL is very strict on project time schedule given in Annexure-G. Bidder should have financial readiness and capability for progress of project without any hurdle.**
- 39. Pre Bid meeting will be conducted for bidder by BHEL before Reverse Auction (RA).** Bidders are advice to participate in the meeting for comprehensive understand of the nature, criticality of the work & BHEL requirement for the project.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

40. Facilities in the scope of BHEL / Bidder (Scope Matrix)

Sl. No	Description PART I	Scope to be taken care by		Remarks
		BHEL	Bidder	
40.1	ESTABLISHMENT (Fabrication & Erection at Site)			
40.1.1	FOR CONSTRUCTION PURPOSE AT SITE:			
a	Open space for office (as per availability).	Yes		Location will be finalized after joint survey with Bidder for erection purpose at site
b	Open space for storage (as per availability)	Yes		Location will be finalized after joint survey with Bidder for erection purpose at site
c	Construction of bidder's office and storage building including supply of materials and other services		Yes	
d	Bidder's all office equipment's, office/ store consumables		Yes	
e	Canteen facilities for the bidder's staff, supervisors and engineers etc		Yes	Construction of canteen is not allowed inside BHEL HERP Premises. Bidder to make own arrangements for the same.
f	Fire-fighting equipment's like buckets, Fire extinguishers etc		Yes	
g	Fencing of storage area, office etc of the bidder		Yes	
40.1.2	FOR RESIDING PURPOSES OF THE BIDDER			



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
 Works Contract Management (WCM) Department
 TARNA, SHIVPUR, VARANASI-221003

Sl. No	Description PART I	Scope to be taken care by		Remarks
		BHEL	Bidder	
a	Open space for labour colony	No	Yes	BHEL will not provide any space/land for construction of labour colony. Bidder has to make his own arrangements outside the BHEL premises for shelter and transportation of labors as per their requirement.
40.2.0	ELECTRICITY			
40.2.1	Electricity For construction purposes / Office / Stores			
a	Single point source (of Voltage 415 V, A.C.,3 Phase , 50 Hz)	Yes		Bidder to make its own arrangement for distribution of electricity at its own cost
b	Further distribution including all materials, Energy Meter, Protection devices and its service		Yes	
c	Duties and deposits including statutory clearances if applicable		Yes	
40.3.0	WATER SUPPLY			
40.3.1	For construction purposes / Office / Stores:			
a	Making the water available at single point	Yes		



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Sl. No	Description PART I	Scope to be taken care by		Remarks
		BHEL	Bidder	
b	Further distribution as per the requirement of work including supply of materials and execution		Yes	Bidder has to make his own arrangement.
40.4.0	LIGHTING			
a.	For construction work (supply of all the necessary materials) 1. At office/storage area 2. At the preassembly area 3. At the construction site /area		Yes	
b	For construction work (execution of the lighting work/ arrangements) 1. At office/storage area 2. At the preassembly area 3 At the construction site /area		Yes	
c	Providing the necessary consumables like bulbs, switches, etc during the course of project work		Yes	
40.5.0	COMMUNICATION FACILITIES FOR SITE OPERATIONS OF THE BIDDER			
a	Telephone, fax, internet, wi-fi, e-mail services etc		Yes	
40.6.0	COMPRESSED AIR / Air Blower wherever required for the work		Yes	As required
40.7.0	Demobilization of all the above facilities if any constructed by bidder		YES	
40.8.0	TRANSPORTATION			
a	For site personnel of the bidder		Yes	
b	For bidder's equipment's and consumables (T&P, Consumables etc)		Yes	

Note: Electricity & Water will chargeable as per GCC.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

41. Tool & Plants and MMEs to be deployed by the Bidder

A. TOOL & PLANTS

BIDDER SHALL DEPLOY ALL NECESSARY **TOOLS AND EQUIPMENT** for fabrication and **INCLUDING ERECTION EQUIPMENT** TO MEET THE SCHEDULES & AS PRESCRIBED BY BHEL ENGINEER AND REQUIRED FOR COMPLETION OF WORK. Decision of BHEL Engineer will be final.

B. MANPOWER FOR EXECUTION OF WORK

Bidder SHALL DEPLOY ALL NECESSARY **GRADE OF MANPOWER** TO MEET THE SCHEDULES & AS PRESCRIBED BY BHEL ENGINEER AND REQUIRED FOR COMPLETION OF WORK. Decision of BHEL Engineer will be final.

C. MEASURING AND MONITORING DEVICES (MMD):

AS PER REQUIREMENT TO BE FINALIZED AT SITE.

D. CONSUMABLES FOR EXECUTION OF WORK:

BIDDER SHALL ARRANGE ALL NECESSARY CONSUMMABLES REQUIRED FOR EXECUTION OF WORK AT HIS OWN COST TO MEET THE SCHEDULES & AS PRESCRIBED BY BHEL ENGINEER AND REQUIRED FOR COMPLETION OF WORK

E. BHEL WILL NOT PROVIDE ANY TYPE RESOURCES, RAW MATERIAL, TOOLS, MACHINERIES, CRANES ETC.



Annexure-B

Special Conditions of Contract (SCC)

1. Material specifications:

Unless noted otherwise in drawings, all structural steel works shall be of Mild Steel Fe250 conforming to IS: 2062

SI. NO.	Materials	Specifications
1	All structural Steel Members	IS: 2062 Fe250
2	Galvalume Sheet	As per BOQ & Price Schedule (DSR'21 item code no 12.50)
3	Truss Seating & Crane Girder connecting Bolts	HSFG Bolts; Grade- 8.8
4	Self-Drilling Self Tapping Screws with EPDM washers and nuts with Hexagonal heads	AS 3566.1-2002 Corrosion Resistance Class-3
5	Welding Electrode	As per WPS (As per the approved brand list provided by BHEL)

2. The quoted prices also include the cost of transportation, unloading, stacking and handling of materials supplied by bidder from its work to BHEL HERP Varanasi, including assembly and erection with associated works complete in all respects.
3. Bidders are requested to gather all relevant information & prevailing local laws etc. in the specified regions. No claim shall be entertained on account of lack of knowledge of site condition.
4. The above technical specification, design drawings is a minimum requirement and idea for the bidders only.
5. The materials and workmanship must be of good quality and accepted standards and specifications. BHEL reserves the right to reject any material not up to the specification.
6. **After completion of work, the building and areas around them should be cleared of all rubbish, debris etc. and handed over in fit condition for occupation.**
7. **Final bill of the work will be accepted only after completion of point no: 6 as above.**



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

8. This also includes guarantee for **12 months** of operations for performance of materials supplied, fabricated and erected by the bidder covered under the scope of the contract from the date of completion of work.

9. Completion of work will be certified by BHEL engineer.

10. Work will be done as per Field Quality Plan (FQP) attached in Annexure- E.

11. Special Payment Terms:

- i. **BOQ Sr. No. 12 & Item Code 10.2 "Structure steel" payment will be done as below**

BOQ Sr No	Description of Activity	BOQ Quantity	UOM	BOQ Rate (Rs/Kg)			Total Amount (Rs)
12	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.	81614.244	Kg	After Completion of Fabrication	70%	78.365	6395700.23
				After Completion of Erection	30%	33.585	2741014.39

- ii. **Except BOQ Sr. No. 12 & Item Code 10.2 all other payment will be done after completion work and on the basis of actual measurement of completed work.**

12. **Please note that time schedule is very tight, bidders should have sufficient availability of fund immediately after issue of LOA, for deposition of SD to BHEL, Procurement of materials, hiring of crane for fabrication & erection etc. because due to very tight time schedule of work, bidder has to be invest his own money for all above without getting payment from BHEL.**

13. **BHEL will not provide any advance payment for this work. Payment will be made as per actual measurement of work as per GCC & SCC.**



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
 Works Contract Management (WCM) Department
 TARNA, SHIVPUR, VARANASI-221003

Annexure-C

BOQ & Price Schedule					
Important Instruction:-					
SI.	Description of work	Quantity	Unit	Rate	Amount
1	Carriage of material up to 1 km lead by Mechanical transport including, loading, unloading & stacking of -				
(i)	Lime, Moorum, Building rubbish	5.0000	cum	144.32	721.60
(ii)	Earth	72.4000	cum	180.4	13060.96
(iii)	Bricks	2.5000	1000 No	384.84	962.10
(iv)	Cement, stone blocks, G.I., C.I., A.C. & C.C. pipes below 100mm dia and other heavy materials	5.0000	Ton	128.28	641.40
(v)	Steel	1.0000	Ton	128.28	128.28
2	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	360.0000	cum	205.45	73962.00
3	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 upto 50 m and lift up to 1.5 m.	287.6000	cum	253.95	73036.02
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	21.6000	cum	2161.20	46681.92
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				0.00
(i)	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	178.8000	cum	7365.15	1316888.82
6	Centering and shuttering including strutting, propping, etc. and removal of form for all height:				0.00
(i)	Foundations, footings, bases of columns, etc. for	57.6000	sqm	307.95	17737.92



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
 Works Contract Management (WCM) Department
 TARNA, SHIVPUR, VARANASI-221003

	mass concrete.				
(ii)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	81.0000	sqm	608.35	49276.35
(iii)	Columns, Pillars, Piers, Abutments, Posts and Struts	24.0000	sqm	804.25	19302.00
7	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-500 D or more.	8200.0000	kg	89.65	735130.00
8	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level:- Thermo-Mechanically Treated bars of grade Fe-500 D or more.	931.5000	kg	89.65	83508.98
9	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement:				
(I)	All work up to plinth level :Concrete of M25 grade with minimum cement content of 330 kg /cum:	82.0000	cum	8683.80	712071.60
(II)	All work above plinth level upto floor V level: Concrete of M25 grade with minimum cement content of 330 kg /cum:	9.3150	cum	10306.20	96002.25



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
 Works Contract Management (WCM) Department
 TARNA, SHIVPUR, VARANASI-221003

10	Brickwork 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).	1.0000	cum	6658.25	6658.25
11	Brickwork 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 & sizes in :cement mortar 1:6 (1 cement: 6 coarse sand).	74.5200	cum	8288.35	617647.84
12	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.	81614.24 70	Kg	111.95	9136714.95
13	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) of total coated 0.50 mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	2278.500 0	Sqm	671.55	1530126.68
14	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50 mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) , Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
(i)	North light curves	60.0000	Meter	465.25	27915.00



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

(ii)	Barge board (Upto 300 mm)	138.0010	Meter	384.20	53019.98
(iii)	Gutter (600 mm over all girth)	60.0000	Meter	1110.60	66636.00
15	12 mm cement plaster of mix: 1 : 6 (1 cement : 6 coarse sand)	364.5010	sqm	294.35	107290.87
16	15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement : 6 coarse sand).	405.0015	sqm	339.1	137336.01
17	12mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement :4 fine sand).	25.0010	sqm	361.30	9032.86
18	Finishing walls with ready mixed Premium acrylic emulsion paint (Company Depot Tinted) having VOC less than 50 gm/litre and IJV resistance as per IS 189:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade with silicon additives. New work (Two or more coats applied @ 1.43 litre/ 10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	405.0000	sqm	154.45	62552.25
(i)	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work	1011.3010	sqm	191.40	193563.01
19	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	769.5040	sqm	123.85	95303.07
20	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound)content less than 50 grams/litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats	364.5000	sqm	121.55	44304.98
21	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	364.5000	sqm	64.45	23492.03



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

22	Providing and fixing aluminum 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. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum 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 fixed portion				
(i)	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	140.0000	kg	433.95	60753.00
23	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)				
(i)	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	105.0000	kg	531.8	55839.00
24	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	20.1600	sqm	1325.5 5	26723.09



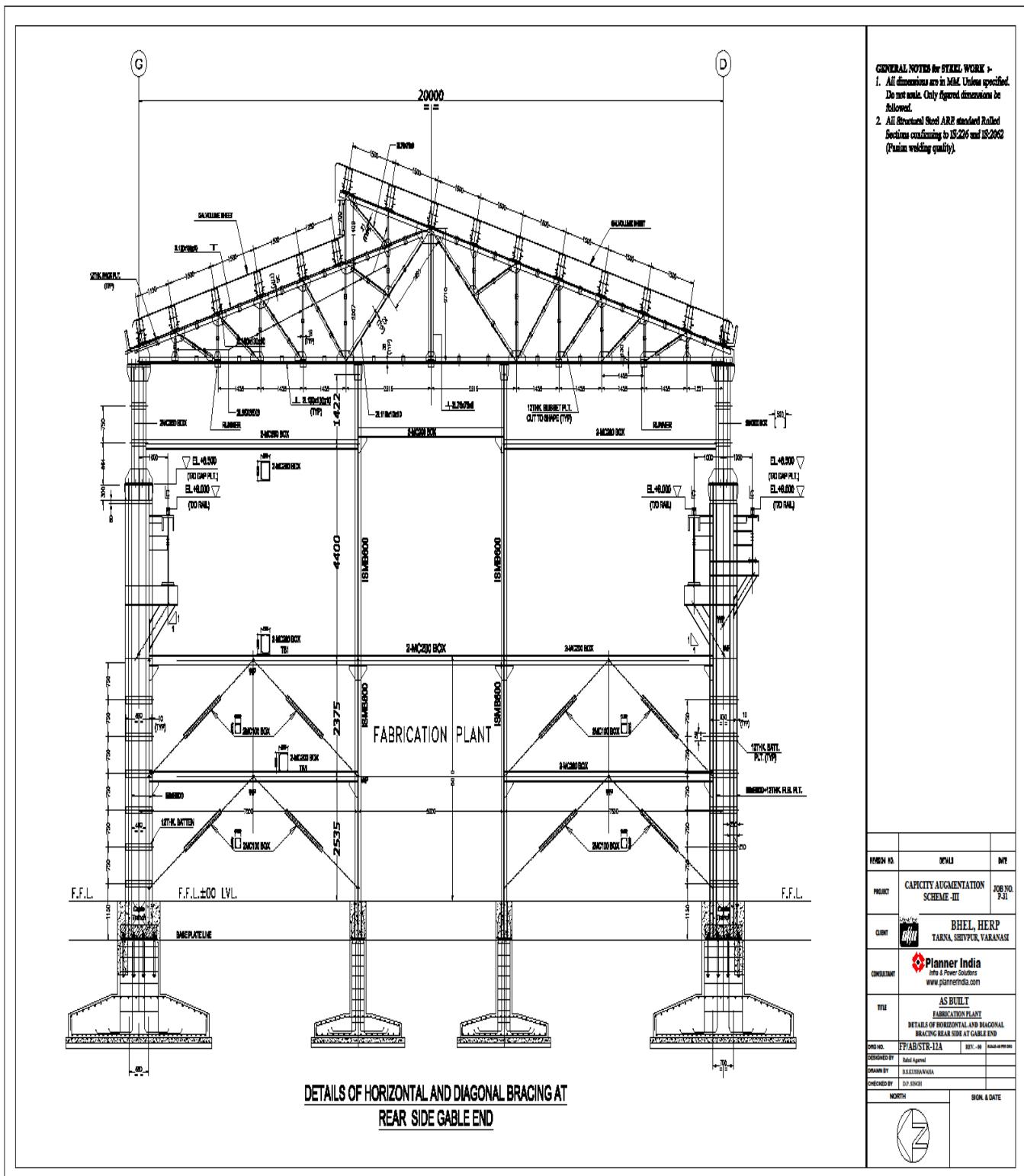
Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

25	Providing and fixing fire retardant and U.V resistant polycarbonate clean sheet of minimum 3mm thickness at various elevation including all labour, material, scaffolding, equipment and side laps, cutting of openings etc. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required all complete as per specifications and direction of Engineer in charge. - Profile to match with profile of metal sheets when laid on roof - It should be plain when installed at North Lights	189.0004	Sqm	2083.67	393814.46
26	Providing and fixing of Stainless Steel turbo ventilator with FRP base of approved make & size 24" dia up to height 15m with the fasteners of high quality corrosion resistant grade of self-tapping/self-drilling (STSD) type approved make provided with suitable cap etc. including scaffolding, equipment and side laps, cutting of openings etc. all complete as per specifications and direction of Engineer in charge.	30.0000	Each	6366.75	191002.50
Total Cost of Civil Work Inclusive GST					16078838.02
I/ We hereby quote.....To be Quoted on NIC portal....% above/ at par/ % below on total cost for all items placed at Sl. No. - 1 to 26.					



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Annexure-D





FIELD QUALITY PLAN

FOR

**STRUCTURAL STEEL WORKS (SITE FABRICATION &
ERECTION)**

Super Structure work of Open Gantry

DOC No.	QPE-M&S-001
REVISION	00
DATE	03.10.2025



BHEL HERP, VARANSI



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

**AUTHORISATION FOR CHECKS
&
NONCONFORMITY DISPOSITION**



Class Of Check	Legend	Agency	Inspection Authority	Accepting Authority	Non-Conformity Disposition Authority
Critical	A	BHEL	Quality Engineer (BHEL)	Quality Engineer (BHEL)	BHEL ENGINEERING
Major	B	BHEL	Erection Engineer (BHEL)	Erection Engineer (BHEL)	BHEL ENGINEERING

NOTE:

1. Disposition authority for nonconformity within BHEL shall be as under:
 - Product nonconformity: BHEL Engineering.
 - Process/System nonconformity: BHEL Engineering.
2. Nonconformity is a deviation from the Drawing/Tender Specification.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
 Works Contract Management (WCM) Department
 TARNA, SHIVPUR, VARANASI-221003

 BHEL HERP SHIVPUR TARANA VARANASI		FIELD QUALITY PLAN						
		Job: STRUCTURAL STEEL WORK			QP NO	QPE-M&S-001	Project	Super Structure work of Open Gantry
Sl. No	Activity and operation	Class of check	Type of Check	Quantum Of check	Reference Document	Acceptance Norms	Format of Record	Remarks
1	2	3	4	5	6	7	8	9
Raw Material								
1	Structural steel procured as per tender TCC, CLAUSE NO:	A	Review of Manufacturer Test Certificate	For each batch of procurement	Clause no: of Technical Condition of Contract & IS 2062	Clause no: of Technical Condition of Contract & IS 2062	Manufacturer Test Certificate	MS steel conforming to IS 2062
PRE-WELDING REQUIREMENTS								
2	Welding Procedure Specification (WPS)	A	Review of documents	AS PER DRAWING	As per standard	WPS	WPS	
3	Welder's Qualification	A	Test Piece Welding & Review of Experience documents	Each welder	As per standard	Test weld joint visual inspection & DPT report	Register/Log sheet	
WELDING JOINT								
4	Dye Penetration Test	A	Physical (AT SITE)	10% of weld joints	As per standard	Visual Inspection report	Register/Log sheet/Report	
PAINTING								
5	DFT of paint	A	Measurement by Elcometer	Random	As per drawing	Tech Specs /Drawings	Register/Log sheet/Report	
ERCTION CHECK								
6	Alignment of erected member	Tape, plumb, piano wires, Water column etc.	B	Measurement	As per site requirement	Tech Specs /Drawings	Register/Log sheet/Report	
7	Tightening of bolts including foundation bolts with lock nuts	Wrench & Hammer	B	Visual/ Physical	All bolting Joints	Tech Specs /Drawings	Register/Log sheet/Report	
8	Completion of all Erection Bolt, Fillet & Butt welds joints		B	Visual	All weld Joints	Tech Specs /Drawings	Register/Log sheet/Report	



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Annexure-F

<u>Sl. No.</u>	<u>Description of Item</u>	<u>Make or Equivalent</u>	<u>Remarks</u>
1.0	Structural Steel	SAIL, JSW, TATA, RINL, Vedanta, Jindal Steel & Powers, Hindalco Steel	
2.0	Galvalume Sheet	JINDAL, JSW, TATA, EVEREST, ESSAR, CHARMINAR, KAMDHENU, Tracdek, Durarof, Kirby	Scope of supply of all materials in bidder's scope only.
3.0	Paint & Primer	Asian/ Berger/ Kansai-Nerolac/ Shalimar/ Dulux/ Indigo/ Nippon/ Dupont/ Jonson & Nicholson/ Akzonobel	BHEL will not provide any material.
4.0	Cement : Portland Pozzolana Cement (PPC) Conforming to IS:1489	ACC / BIRLA / J K CEMENT / CCI / ULTRATECH / SHREE CEMENT /PRISM/AMBUJA.	
5.0	TMT steel bars grade Fe 500/ Fe 550D conforming to IS: 1786	JSW STEEL, TATA, RASHTRIYA ISPAT NIGAM LIMITED, SAIL	



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Annexure-G

Time Schedule

1. Total Time Schedule of the entire work (Procurement of raw material, Fabrication at site, Column Foundation work, Concrete Work, Masonry Work, Erection as per drawing, Roof Sheet & Side Cladding) will be 05 months only.
2. **Please note that time schedule is very tight, bidders should have sufficient availability / capability of fund for deposition of SD amount to BHEL, Procurement of materials, hiring of crane for fabrication & erection etc. because due to very tight time schedule of work, bidder has to be invest his own money for all above without getting payment from BHEL.**
3. **BHEL will not provide any advance payment for this work. Payment will be made after completion of work as per GCC & SCC.**
4. Milestone schedule of major activity will be as given below:

Sr No	Activity	Start Date	Finish Date
1	Issue of LOA	0	0
2	Deposition of SD amount	0	7 Day
3	Kick off meeting with BHEL execution team	7 th Day	7 th Day
4	Discussion of Design Drawing and BHEL requirement	7 th Day	7 th Day
5	Preparation of details fabrication drawing & complete Bill of material	8 th Day	10 th Day
6	Enquiry for procurement of steel Structure as per BOQ Sr No: 12 by bidder	8 th Day	10 th Day
7	Arrangement to Fund for procurement of Material by bidder at its own	8 th Day	10 th Day
8	Issue of PO for procurement of material as per BOQ Sr No: 12 by bidder	11 th Day	13 th Day
	Start of civil foundation work of column	15 th Day	20 th Day
9	Dispatch of Raw Material to BHEL HERP Varanasi	30 th Day	40 th Day
10	Mobilization of Fabrication gang to HERP Varanasi	20 th Day	35 th Day
11	Set up of Fabrication booth	25 th Day	40 th Day



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

12	Welder Test	30 th Day	40 th Day
13	Receipt and unloading of material	35 th Day	40 th Day
14	Start of Fabrication activity	41 th Day	43 th Day
15	Completion of all material supply as per BOQ	30 th Day	50 th Day
16	Completion of all fabrication activity as per drawing	41 th Day	86 th Day
17	Start of Erection activity	62 th Day	71 th Day
18	Completion of all Erection activity as per drawing	62 th Day	96 th Day
19	Roof Sheeting & Side Cladding work	90 th Day	140 th Day
20	Balance Civil Work	90 th Day	150 th Day

5. Failing to above mile stone schedule, BHEL may confiscate the Bidder's SD amount along with termination of contract and other consequences as per contract under breach of contract.



SAFETY AT WORK

1. CRITICAL REQUIREMENTS W.R.T. EQUIPMENT & PPES

- I. Any Heavy equipment (cranes, winch machines, etc.) shall be deployed only after pre-safety Inspection by safety dept. Valid AMCs/ Fitness/ other statutory clearances as per local rules shall be required to be submitted before mobilizing the equipment at site.
- II. Deployment for all the lifting T&Ps and construction machinery/ equipment shall be made after obtaining written acceptance (Pre-entry Safety Clearance) from BHEL Site Safety Department after physical verification and checking all requisite documents/ compliance to
- III. PPES shall be from reputed manufactures viz. 3M, Udyogi, Karam, Frontier, Freedom, Honeywell, Liberty, Bata, Nomex, Acme, Unicare, Life Gear or equivalent.

IV. Scaffold inspection

- a. Scaffolds being erected, modified or dismantled must be tagged as suitable for use. Tagging shall be done with standard tag holder. Scaffolding tag should be certified by scaffolding inspector having valid certificate.
- GREEN** scaffold tag- shall be fixed when scaffold is complete and safe for use, signed and dated by the scaffolding competent person daily.
- RED** scaffold tag – to be fixed if scaffold is in some way defective and cannot be used or is still under erection.

2. HSE PERSONNEL TO BE PROVIDED SOLELY BY THE BIDDER

2.1. NUMBERS OF HSE PERSONNEL (APPLICABLE FOR EACH WORK SHIFT)

1 no. of safety officer (for each 100 worker) in each shift (if applicable) with below qualification and experience.

2.2. QUALIFICATION & EXPERIENCE REQUIREMENTS OF HSE PERSONNEL

2.2.1. HSE OFFICER

HSE Officer to be mandatorily as under and shall be designated as HSE Officer. Authorized Diploma in Industrial Safety with practical experience of working in a building, plant or other construction works for not less than one years.

2.2.2. COMPETENCY OF OPERATORS/ DRIVERS OF CRANE, WINCH, LIFTING/ CONSTRUCTION EQUIPMENT ETC.

- i. Minimum HMV driving license is required for all heavy equipment/ heavy vehicle (trailer/ Hydra /dumper /TM) operators at site.
- ii. The bidder shall certify competence of these persons in writing as and when they are posted at site.

3. HSE MANAGEMENT SYSTEM

- i. BHEL reserves the right to revise/ update these systems and procedure as per requirement to address any changing HSE needs



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

ii. BHEL will provide hard / soft copies of applicable HSE Procedures, Work Permits, Operational Control Procedures, Inspection/ Other Formats etc. that are necessary for ensuring safe work to the successful bidder at Site. It is the responsibility of the bidder to ensure availability of these documents before commencing work at site. iii. The bidder can get soft copies of these documents from respective Region SCT/ HSE for reference. The signed hard copies of the same shall not be required to be submitted along with tender document

4. HSE PENALTIES

- i. Nonconformity of safety rules and safety appliances will be viewed seriously and BHEL has right to impose fines on the bidder for every instance of violation noticed.
- ii. As per contractual provision HSE penalties shall be imposed on bidders for non-compliance on HSE requirement as per following format.
- iii. Following are the applicable penalties for various Safety violations:

Sub: MEMO for Penalty for non-compliances in Safety

Following lapse (tick marked) was observed and penalty (in Rs.) is imposed as stated at the bottom of this memo. It is requested that such occurrences be please avoided in future.

S. No	Nature of Non - Compliance	Penalty (in INR)	Remarks
A. System Violations			
1	Working without valid Work Permit	1000	Per case
3	Reported Safety Violations Not Closed within Stipulated Time	500	Per case
4	Absence of required Bidder Safety Officer at site during work	1000	Per case
5	Not providing required PPEs (Safety Harness, Lifeline, Safety Net, Fall arrestor, Safety Helmet, Gloves, Shoes etc.) as per work requirement for the work by bidder	500	Per case
B. Accidents/ Incidents/ Near Misses			
Fatal Accident (other than Government statutory and legal compensation)		100000	Per incident

5. LEGAL IMPLICATIONS

Any legal Costs incurred by BHEL, on account of accidents taking place in the activities of the bidder, shall be debited to the bidder on actual cost basis.

6. HSE REVIEW MEETING

- i. Bidder Site In-charge and HSE In-charge shall attend the HSE Review Meeting as and when called by BHEL.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

7. OTHER REQUIREMENTS

- i. If the bidder fails to improve the standards of safety in its operation to the satisfaction of BHEL after being given reasonable opportunity to do so and/or if the bidder fails to take appropriate safety precautions or to provide necessary safety devices and equipment or to carry out instruction regarding safety issued by BHEL, BHEL shall have the right to take corrective steps and the cost shall be debited to the bidder with applicable overheads.
- ii. In case of any damage to property due to lapses by the bidder, BHEL shall have the right to recover the cost of such damages from the bidder after holding an appropriate enquiry.
- iii. The bidder shall take all measures at the sites of the work to protect all persons from incidents and shall be bound to bear the expenses of defense of every suit, action or other proceeding of law that may be brought by any persons for injury sustained or death owing to neglect of the above precautions and to pay any such persons such compensation or which may with the consent of the bidder be paid to compromise any claim by any such person, should such claim proceeding be filed against BHEL, the bidder hereby agrees to indemnify BHEL against the same.
- iv. The bidder shall not employ men below the age of 18 years and women on the work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, overalls shall be supplied by the bidder to the workmen and adequate facilities shall be provided to enable the working painters to wash during the cessation of work.
- v. BHEL shall have the right to prescribe the conditions under which such equipment or materials may be handled and the bidder shall adhere to such instructions.
- vi. BHEL may prohibit the use of any construction machinery, which according to the organization is unsafe. No claim for compensation due to such prohibition will be entertained by BHEL.

8. WORK AT HEIGHT:

- a. All work at height of 2 meter or above must require height work permit in BHEL HERP format. Bidders will not be permitted to start work without Height Work permit. It is sole responsibility of bidders to take height work permit from BHEL before start of work. Working at height without height work permit will be treated under breach of contract. Format of height work permit will be provided to bidder by BHEL before start of work.
- b. Whenever a fall hazard or other exposure exists for working at heights more than 2.0m/6ft, the nature and scope of work will be evaluated for conditions and environmental factors before selecting the appropriate fall protection system (active, passive or a combination of measures, as appropriate).



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

- c. All Engineering and Administrative Controls including barricading, safe platform, Safety Nets, double fall protection etc. shall be made available at work location. Under no circumstances, there shall be total reliance on PPEs only.
- d. Contract shall bring all required PPE's as per work requirement prior to start of work. All safety protection equipment should be ISI mark.
- e. Safety Nets shall be deployed below all platforms where height work is envisaged. Duration of work, delay shall be no excuses for non-installation of Safety Net
- f. Reaching beyond barricaded area without lifeline support, moving with support of bracings, walking on beams without support, jumping from one level to another, throwing objects and taking shortcut must be discouraged.
- g. Monkey Ladder shall be fitted with cages. Rope ladder should be discouraged.
- h. In case of roof work, walking ladder/ platform should be provided along with lifeline and/ or fall arrestor.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

No Deviation Certificate

To,

AGM (Purchase, Store and WCM)
Bharat Heavy Electricals Ltd.
Tarna, Shivpur
Varanasi

Sub: No deviation certificate for "Structural Fabrication & Erection work for manufacturing of CLH and VLH Production Shop at BHEL HERP Varanasi".

Sir,

This is to inform you that we have not taken any deviation from any of the Special Terms and Conditions for "**Structural Fabrication & Erection work for manufacturing of CLH and VLH Production Shop at BHEL HERP Varanasi**" while quoting the rates. All terms & conditions mentioned in the Special Terms & conditions are acceptable to us except following:

- 1.
- 2.
- 3.

Thanking you,

Yours Sincerely



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Bidders Declaration

I / we have read the terms and conditions of the tender document, our contractual obligations towards execution of the Contract as per the tender document, we know of all obligations to be performed by us under the contract, the financing cost, administrative expenses, Statutory liabilities, etc. and undertake to fulfil its entire requirement under the quoted rates.

Thanking you,

Yours Sincerely

Signature, seal and address of the party



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

GENERAL CONDITIONS OF CONTRACT
For
WORKS/SERVICE CONTRACTS



BHARAT HEAVY ELECTRICALS LIMITED
HEAVY EQUIPMENT REPAIR PLANT
TARNA, SHIVPUR
VARANASI-221003



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

INDEX

Clause	TITLE
1.0	DEFINITIONS
2.0	GENERAL INSTRUCTIONS TO THE TENDERERS
2.1	GENERAL INSTRUCTIONS
2.2	SUBMISSION OF TENDERS
2.3	EVALUATION OF TENDERS
2.4	EARNEST MONEY DEPOSIT
2.5	SECURITY DEPOSIT
2.6	PERFORMANCE GUARANTEE FOR WORKMANSHIP/ DEFECT LIABILITY PERIOD
2.7	TENDER COST
2.8	VALIDITY OF OFFER
2.9	RIGHT OF BHEL TO REJECT TENDERS
3.0	CONTRACT EXECUTION & PERFORMANCE
3.1	GENERAL INSTRUCTION TO CONTRACTOR FOR WORK EXECUTION
3.2	WORK COMPLETION TIME
3.3	EXTENSION OF TIME FOR COMPLETION
3.4	PROGRESS MONITORING, MONTHLY REVIEW AND PERFORMANCE EVALUATION
3.5	QUANTITY VARIATION
3.6	DELETED
3.7	STRIKES & LOCKOUT
3.8	DELAY AND EXTENSION OF TIME: FORCE MAJEURE
3.9	INSURANCE
3.10	TEMPORARY WORKS
4.0	VALUATION AND PAYMENT
4.1	RECORDS AND MEASUREMENTS
4.2	RUNNING & FINAL BILLS
4.3	PAYMENT OF BILLS
4.4	RECOVERY FROM THE CONTRACTOR:
4.5	TAXES AND OTHER DUTIES
4.6	INCOME TAX- IT
4.7	MISCELLANEOUS CHARGES
4.8	LIQUIDATED DAMAGE (LD)
4.9	Deleted
4.10	NO INTEREST PAYABLE TO CONTRACTOR
5.0	RESPONSIBILITIES OF THE CONTRACTOR IN RESPECT OF LAWS, EMPLOYMENT OF WORKERS ETC.
6.0	RIGHTS OF BHEL FOR TERMINATION/CANCELLATION OF CONTRACT
7.0	MISCELLANEOUS PROVISIONS & OTHER ISSUES.
7.1	SETTLEMENT OF DISPUTES & ARBITRATION
7.2	LAWS GOVERNING THE CONTRACT
7.3	ORDERS UNDER THE CONTRACT
7.4	JURISDICTION OF COURT
7.5	CLOSING OF CONTRACTS
7.6	REVERSE AUCTION
7.7	SUSPENSION OF BUSINESS DEALINGS WITH CONTRACTORS
7.8	PUBLIC PROCUREMENT POLICY
7.9	INTEGRITY PACT (IP)
7.10	CONFLICT OF INTEREST AMONG BIDDERS/AGENTS
7.11	BREACH OF CONTRACT, REMEDIES AND TERMINATION
7.12	SPECIAL CONDITIONS FOR MICRO AND SMALL ENTERPRISES
7.13	OTHER ISSUES



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

CHAPTER I

1.0 DEFINITIONS

In these general conditions of contract, the following terms shall have the meaning hereby assigned to them except where the context otherwise requires: -

- a) "CONTRACT" or "CONTRACT DOCUMENT" shall mean and include the Agreement of Work Order, the accepted appendices of Rates, Schedules, Quantities if any, General Conditions of Contract, Special Conditions of Contract, Instructions to the Tenderers, Drawings, Technical Specifications, the Special Specifications if any, the Tender documents, subsequent amendments mutually agreed upon and the Letter of Intent/Award/Acceptance issued by BHEL. Any conditions or terms stipulated by the contractor in the tender documents or subsequent letters shall not form part of the contract unless, specifically mentioned.
- b) "TENDER SPECIFICATION" or "TENDER" or "TENDER DOCUMENTS" shall mean and include General Conditions, Special Conditions, Price Bid, Rate Schedule, Technical Specifications, Appendices, Annexures, Corrigendum, Amendments, Forms, procedures, Site information, etc and drawings/documents pertaining to the work for which the tenderers are required to submit their offers.
- c) "WORK" means all Permanent and Temporary Works as described in the Scope of Work and BOQ in individual work order and /or accompanying drawings and specifications as may be issued from time to time to the contractor by the Engineer – Incharge in writing, including all modifications or additional works and obligations to be carried out either at the site or in factory, workshop or any other place as may be essentially required for the performance of the work.
- d) The "SITE" means the land and/ or other place on/into/ through which the work is to be executed under the contract or any adjacent land, part or structure which may be allotted to or used for the purpose of carrying out the contract.
- e) The "CONTRACTOR" means the individual firm or company whether incorporated or not, undertaking the work and shall include the legal personal representatives of such individuals or the person(s) composing the firm or company and the permitted assigns of such individuals or firm or company.
- f) "ENGINEER" or "ENGINEER IN CHARGE" shall mean an employee of BHEL as may be duly appointed and authorized by Competent Authority/Accepting Officer of BHEL to act as "Engineer" on his behalf for the purpose of the Contract, to perform the duty set forth in this General Conditions of Contract and other Contract documents.
- g) BHEL shall mean Bharat Heavy Electricals Limited, a company registered under Indian Companies Act 1956, with its Registered Office at BHEL HOUSE, SIRI FORT, NEW DELHI – 110 049, or its unit HEAVY EQUIPMENT REPAIR PLANT located at Tarna, Shivpur Varanasi, Uttar Pradesh -221003.
- h) "COMPETENT AUTHORITY" / "ACCEPTING OFFICER" shall mean Executive Director or General Manager (In charge) or General Manager-Head of Unit (HERP) or BHEL Officers who are empowered to act on behalf of the Executive Director or General Manager (In charge) or General Manager of BHEL.
- i) "DEFECT LIABILITY PERIOD" (DLP) in relation to a work means the specified period from the date of Completion Certificate up to the date of issue of Final Certificate during which the Contractor stands responsible for rectifying all defects that may appear in the works executed by the Contractor in pursuance of the Contract and includes warranties against manufacturing/fabrication/erection/construction defects covering all materials plants, equipment, components, and the like supplied by the Contractor, works executed against workmanship defects.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

- j) "Letter of Intent/Letter of Award (LoA)" means the formal letter of intent or letter of acceptance or letter of award issued by BHEL.
- k) "SCC" means 'Special Conditions of Contract forming part of this Contract / Agreement.
- l) "Bill of Quantity" shall mean subsequent to the placement of the Contract/Agreement/Purchase Order the successful bidder shall be required to furnish the detailed price break-up within a specified time frame. This detailed break-up of items and prices shall be considered as Bill of Quantities (BOQ).
- m) "Engineer" shall mean an Executive or Engineer in charge.
- n) "NIT" shall mean Notice Inviting Tender.
- o) "First Party" shall mean BHEL.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

CHAPTER II

2.0 GENERAL INSTRUCTIONS TO THE TENDERERS

2.1 GENERAL INSTRUCTIONS

The General Condition of Contract form part of the Tender Specifications. All pages of the tender documents shall be duly signed stamped and submitted along with the offer by the tenderers.

Tenderers are advised to study all the tender documents carefully. The contractor shall be deemed to have satisfied himself as to the nature of site, local facilities of access and all matters affecting the execution and completion of the work. No extra charges consequent on any misunderstanding in these respects or otherwise will be allowed by the First Party.

The contractor shall examine the quantum of work and shall satisfy himself before submitting his tender. He shall himself asses the requirement of materials, contingencies and other circumstance which may affect or influence his tender, no extra charges on any misunderstanding or otherwise shall be allowed.

The contractor shall be deemed to have satisfied himself before tendering as to correctness and sufficiency of his tender, the work and prices. This shall except as otherwise provided all obligation under the contracts all matters and things necessary for the proper completion and maintenance of the works.

2.2 SUBMISSION OF TENDERS

2.2.1. The tenderers must submit their tender as per instructions in NIT.

2.2.2. Tenders submitted by Post shall be sent by Post with due allowance for any postal/ courier delays. BHEL shall not be responsible for any postal delay.

2.2.3. Tenders shall be signed by a person authorized/empowered to do so. In case the tender is signed by an individual other than the sole proprietor, an attested copy of the power of attorney shall be submitted by bidder along with tenders with details mentioned under:

For proprietary firm	Proprietor's full name, address and place & nature of business.
For partnership firm	The names of all the partners and their addresses, A copy of the partnership deed/instrument of partnership dully certified by the Notary Public shall be enclosed.
For companies	Date and place of registration including date of commencement certificate in case of Public Companies (certified copies of Memorandum and articles of Association are also to be furnished. Nature of business carried on by the Company and the provisions of the Memorandum relating thereof.

2.2.5. Unless otherwise specified in NIT the bids shall be invited in two parts:

PART I (Techno-Commercial bid) – This shall consist of following documents:

- Signed & stamped copy of all pages of NIT.
- Technical specifications of the offer.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

- Duly filled, signed & stamped forms and documents in support of meeting the pre-qualifying requirement.
- Signed and stamped copy of Price Bid Format (without price).
- Documentary evidence like Cash Receipt, EFT/UPI receipt, DD, FDR, Banker's cheque / Pay order etc for proof of payment against Tender Document Cost and Earnest Money Deposit (EMD).

PART II (Price Bid) – This shall consist of price bid in format specified in NIT.

2.2.6 The Part-I (Techno-Commercial bid) and Part-II (Price Bid) shall be submitted by bidder as specified in NIT.

2.3 EVALUATION OF TENDERS

- Techno-Commercial bids submitted by the tenderer will be opened first and evaluated for fulfilling Pre Qualifying requirement and other conditions in NIT/ Tender documents
- The Techno-Commercial bids will be opened as per date & time mentioned in NIT.
- The Bidder or his authorized representative may be present at the time of opening of bid on the specified date after seeking written permission in this regard from Tender Inviting authority. Written permission shall be taken for this purpose prior to tender opening date. A copy of confirmation /acceptance must be produced in the office by the person attending the opening of bid else he shall be denied permission to attend the opening of bid.
- In case of unscheduled holiday on the closing/opening day of bid, the next working day will be treated as scheduled prescribed day of closing/opening of bid, the time notified remaining the same.

2.4 EARNEST MONEY DEPOSIT (EMD)

2.4.1 EMD amount will be as indicated in NIT. EMD shall not carry any interest.

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

- Cash deposit as permissible under the extant Income Tax Act (before tender Opening).
- Electronic Fund Transfer credited in BHEL account (before tender opening)
- Banker's cheque/ Pay order/ Demand draft, in favour of BHEL (along with offer).
- Fixed deposit receipt (FDR) issued by any scheduled banks/ Public Finance Institutions as defined in Companies Act (FDR should be in the name of the **contractor, a/c BHEL Varanasi**).
- Insurance Surety Bonds

Account details of BHEL-HERP, Varanasi are as mentioned below:

EFT /RTGS Details	UPI Details
Bank Name: State Bank of India, IFSC Code: SBIN0000201, Account No: 011103264820, Branch Code: 0201, Address: State Bank of India, Main Branch Kachaheri, Varanasi.	Scan & Pay Using Any UPI App to UPI ID: bhel20@sbi MERCHANT NAME: BHARAT HEAVY ELECTRICALS LTD



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

In addition to above, if the EMD amount is more than Rs Two Lakh, the amount in excess of Rs Two Lakh may also be accepted in the form of Bank Guarantee (BG) from scheduled bank. The Bank Guarantee in such cases shall be valid for at least six months. SFMS message must be included along with BG. *Format of BG for EMD, List of scheduled banks and beneficiary bank account will be provided to bidders separately in case the EMD amount happens to be more than Rs Two Lakh.*

2.4.3. FORFEITURE OF EMD

EMD by the Tenderer will be forfeited as per NIT conditions, if:

- i) After opening the tender and within the offer validity period, the tenderer revokes his tender or makes any modification in his tender, which is not acceptable to BHEL.
- ii) The Contractor fails to deposit the required Security deposit or commence the work within the period as per LOI/ Contract.

EMD by the tenderer shall be withheld in case any action on the tenderer is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors" and forfeited/ released based on the action as determined under these guidelines.

2.4.4 EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of award of work. In case of expiry of offer validity period or any other circumstances, EMD can be released with due approval.

2.4.5 EMD of successful tenderer will be retained as part of Security Deposit.

2.5 SECURITY DEPOSIT (SD)

2.5.1. The total amount of Security Deposit would be as mentioned in NIT. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit.

2.5.2. The balance amount to make up the required Security Deposit of the contract value may be accepted in the following forms:

- i) Cash (as permissible under the extant Income Tax Act)
- ii) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL
- iii) Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. *Format of BG for SD, List of scheduled banks and beneficiary bank account will be provided to bidders separately to successful bidder(s).*
- iv) Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the **Contractor, a/c BHEL, Varanasi**)
- v) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL)
- vi) Insurance Surety Bonds

(Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith)



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

2.5.3. COLLECTION OF SECURITY:

- 2.5.3.1 At least 50% of the required Security Deposit, including the EMD, should be collected before start of the work. Balance of the Security Deposit can be collected by deducting 10% of the gross amount progressively from each of the running bills of the Contractor until the total amount of the required Security Deposit is collected.
- 2.5.3.2 If the value of work done at any time exceeds the contract value, the amount of Security Deposit shall be correspondingly enhanced and the additional Security Deposit shall be immediately deposited by the Contractor or recovered from payment/s due to the Contractor.
- 2.5.3.3 In case of delay in submission of performance security, enhanced performance security, which would include interest (Repo rate + 4%) for the delayed period, shall be submitted by the bidder.
- 2.5.3.4 The recoveries made from running bills (cash deduction towards balance SD amount) can be released against submission of equivalent Bank Guarantee in acceptable form, but only once, before completion of work, with the approval of the authority competent to award the work.
- 2.5.3.5 (Note: In case of (a) small value contracts not exceeding Rs. 20 lakhs or (b) SAS jobs, work can be started before the required Security Deposit is collected. However, payment can be released only after collection/ recovery of initial 50% Security Deposit).

2.5.4 REFUND OF SECURITY DEPOSIT:

- 2.5.4.1 After expiration of the Defect Liability period, provided always that the contractor shall first have been paid final bill and have rendered a "No Demand" certificate", the security deposit shall be refunded to the contractor as follows:
100% shall be released after satisfactory completion of the Defect liability period of the work after verification/certification by Engineer-In-charge.
- 2.5.4.2 The Defect liability period of work shall be as per section 2.6.

2.6 PERFORMANCE GUARANTEE FOR WORKMANSHIP/ DEFECT LIABILITY PERIOD

Unless otherwise specified in Special Conditions of contract (SCC), the contractor shall be responsible for the quality of the workmanship and shall make good or remedy at his own expense within defect liability period, which shall be for a period of 12 months from date of completion of works or else as mentioned in special conditions for contract. During this period the contractor shall rectify free of cost all defects due to faulty erection, installation & commissioning detected during defect liability period. In the event of the contractor, failing to repair the defective works within the time specified by the Engineer, BHEL might proceed to undertake the repairs of such defective works at the contractor's risk and cost without prejudice to any other rights & recover the same from the Security deposit. Completion date of work shall be considered as provided in Form WAM 7 of Works Accounts Manual 2017.

2.6.1 BANK GUARANTEES

- 2.6.1.1 Wherever Bank Guarantees are to be furnished / submitted by the contractor, the following shall be complied with:
 - Bank Guarantees shall be from scheduled Banks/ Public Financial Institutions as defined in the companies Act.
 - The Bank Guarantees shall be as per prescribed format approved by BHEL.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

- It is the responsibility of the bidder to get the Bank Guarantees revalidated/extended for the required period (subject to a minimum period of 6 months), as per the advice of Engineer in charge.
- BHEL shall not be liable for issue of any reminders regarding expiry of the Bank Guarantees.
- In case of extension / further extensions of any Bank Guarantees are not required, the bidders shall ensure that the same is explicitly endorsed by the Head of Department and approved by the Head of unit.

2.6.1.2. In case the Bank Guarantees are not extended before the expiry date, BHEL reserves the right to invoke the same by informing the concerned Bank in writing, without any advance notice/communication to the concerned bidder

2.6.1.3. Bidders to note that any corrections to the Bank Guarantees shall be done by issuing Bank, only through an amendment in an appropriate non-judicial stamp paper.

2.6.1.4. The Original Bank Guarantee shall be sent directly by the Bank to BHEL under Registered Post (Acknowledgement Due), addressed to the head of contracting department.

2.6.1.5. The validity of Bank Guarantee towards security deposit shall initially be up to completion period plus defect liability period plus 3 months, and the same shall be further kept valid as per advice of Engineer in charge. Claim period will be 3 months more than validity period.

2.6.1.6. Further BHEL reserves the right of forfeiture of security deposit in addition to other claims & penalty in the event of contractor's failure to fulfil any of the contractual obligations or in the event of termination of contract as per terms & conditions of the contract. BHEL reserves the right to set off the security deposit against any claims of any contracts with BHEL.

2.6.1.7 Release of SD: 100% SD shall be released only after expiry of Defect liability period subject to satisfactory completion of work as per contract & submission of claim as per prescribed claim format.

2.7 TENDOR COST:

Bidders must deposit the Tender cost as mentioned in the NIT through EFT and submit proof of the same along with bid.

2.8 VALIDITY OF OFFER:

The validity of the offer shall be 90 days or else as specified in NIT.

2.9 RIGHT OF BHEL TO REJECT TENDERS:

2.9.1 The acceptance of tender will rest with BHEL which does not bind itself to accept the lowest tender or any tender and reserves to itself full rights for the following without assigning any reasons whatsoever: -

- a. To reject any or all of the tenders.
- b. To split up the work amongst two or more tenderers as per NIT
- c. To award the work in part if specified in NIT
- d. In case of either of the contingencies stated in (b) and (c) above, the time for completion as stipulated in the tender shall be applicable.

2.9.2 Conditional tenders, unsolicited tenders, tenders which are incomplete or not in the form specified or defective or have been materially altered or not in accordance with the tender conditions, specifications etc., are liable to be rejected.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

2.9.3 Tenders are liable to be rejected in case of unsatisfactory performance of the tenderer with BHEL, or tenderer under suspension (hold/banning /delisted) by any unit / region / division of BHEL or tenderers who do not comply with the latest guidelines of Ministry/Commissions of Govt. of India. BHEL reserves the right to reject a bidder in case it is observed that they are overloaded and may not be in a position to execute this job as per the required schedule. The decision of BHEL will be final in this regard.

2.9.4 In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders. In case more than one bidders happen to occupy the L-1 status even after soliciting discount, the L-1 bidder shall be decided by a toss/draw of lots, in the presence of the respective bidder(s) or their representative(s). When the tender is on GEM portal, in case of multiple L1, effective L1 will be decided through system available on GEM portal. BHEL's decision in such situation shall be final and binding.



CHAPTER III

3.0 CONTRACT EXECUTION & PERFORMANCE

3.1. GENERAL INSTRUCTION TO CONTRACTOR FOR WORK EXECUTION

- 3.1.1. The decision of BHEL regarding interpretation of any of terms and conditions set forth in the agreement shall be final and binding on the contractor.
- 3.1.2. In case of any discrepancy between the specification and / or the drawing, the Accepting Officer shall be the deciding authority as to which shall prevail and his decision shall be final and conclusive. If neither drawings nor specifications contain any minor details of construction, which are essential and reasonably & fairly intended for the satisfactory completion for the work in the opinion of the Accepting Officer, the decision of Accepting Officer shall be final and conclusive.
- 3.1.3. The contractor shall, at his own expense, supply all stores and material required for the contract other than those, which may be provided by BHEL at the rates detailed therein subject to availability at the place of issue indicated therein. All stores and materials to be supplied by the contractor shall be of the best quality as described in the specification and the contractor shall ensure that the stores and materials comply with the specifications.
- 3.1.4. The contractor shall not sub-contract any portion of the contract without the prior written approval of the Accepting Authority. Employment of piece rate workers shall not be deemed as sub-contracting.
- 3.1.5. Contractor shall decide the number of employees to be deployed for execution of the work awarded to him and he or his authorized representative will be solely entitled to dictate such workers about the manner of carrying out the work as per the prescribed specifications and quality plan. Contractor/ authorized supervisor of the contractor shall supervise the work allotted to him and to be carried out by his employees.
- 3.1.6. Contractor to ensure that the employees deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc.
- 3.1.7. Contractor will keep watch on his employees and he will be liable for any pilferage / loss to BHEL due to acts of omission and commission by his employees. Similarly, liability for any compensation to outsiders on account of any act of omission and commission by the employees deployed by the contractor shall lie exclusively with him.
- 3.1.8. The successful tenderer's responsibility under these contracts commences from the date of issue of the letter of intent (LOI) by BHEL. The tenderer shall submit unqualified acceptance to the letter of intent/ award within the period stipulated therein.
- 3.1.9. The successful tenderer shall be required to execute an agreement with BHEL in the prescribed format 'within time limit specified by BHEL in LOI/LOA (maximum 30 days)' and in any case before releasing the first running bill. The contract agreement shall be signed by a person duly authorized / empowered by the tender. The write-up for agreement will be provided by BHEL and cost of non-judicial stamp paper will be borne by contractor.
- 3.1.10. After signing the formal contract agreement, as above, BHEL shall issue work order to the party containing all salient features of the contract agreement required by both the parties.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

3.1.11. Contractor shall carry out operations hereunder with due diligence and shall maintain strict discipline and shall abide by and conform to all rules and regulations promulgated by BHEL. Should BHEL feel that the conduct of any of contractor/subcontractors employees is detrimental to Organization's interest & Safety, BHEL shall have the unqualified right to request for the removal of such employee either for incompetence, unreliability, misbehavior, security reasons etc. while on or off the job.

3.2. WORK COMPLETION TIME

- 3.2.1. Time is the essence of the contract and is specified in the Special Conditions of Contract of the Tender document
- 3.2.2. After issuance of LOI (through E-Mail/Fax/Courier), contractor shall report to the Manager of BHEL-HERP, Varanasi within 07 days and make Kick-off-Meeting (KOM) for discussing & finalizing start date of work, detailed completion program, mobilization of manpower & other resources and other related issues. Date of Start of Work shall be reckoned as 15 days after date of issue of LOI. However, the date of start of work may be reviewed and changed by Engineer In-charge of BHEL-HERP, Varanasi with recorded reasons in the KOM.
- 3.2.3. If the contractor fails to start the work within stipulated time as per LOI or as intimated by BHEL, then BHEL at its sole discretion will have the right to cancel the contract. The Earnest money and or Security Deposit with BHEL will stand forfeited without any further reference to him without prejudice to any and all of BHEL's other rights and remedies in this regard.
- 3.2.4. The contract shall be considered and closed upon completion of all contractual obligations and settlement of Final Bill or completion of Guarantee period whichever is later. Upon closing of contract, BHEL shall issue a completion certificate as per standard format, based on specific request of contractor.
- 3.2.5. The entire work shall be completed by the contractor within the time schedule or within such extended periods as may be allowed by BHEL.

3.3. EXTENSION OF TIME FOR COMPLETION

- 3.3.1. If the completion of work as detailed in the scope of work is delayed beyond the contract period, the contractor shall request for an extension of the contract and BHEL at its discretion may extend the contract.
- 3.3.2. Based on the progress review & performance evaluation, the works balance at the end of original contract period less the backlog attributable to the contractor shall be quantified, and the number of months of 'Time extension' required for completion of the same shall be jointly worked out. Within this period of 'Time extension', the contractor is bound to complete the portion of the backlog attributable to the contractor. Any further 'Time extension' at the end of the previous extension shall be worked out similarly.
- 3.3.3. However, if any 'Time Extension' is granted to the contractor to facilitate continuation of work and completion of contract, due to backlog attributable to the contractor alone, then it shall be without prejudice to the rights of BHEL to impose penalty/ LD for the delays attributable to the contractor, in addition to any other actions BHEL may wish to take at the risk & cost of contractor.
- 3.3.4. At the completion of progressive / milestone work / total work as certified by BHEL Engineer and upon total delay analysis, the portion of time extensions attributable to (i) Contractor, (ii) Force Majeure conditions and (iii) BHEL, shall be worked out and shall be considered to be exhausted in the same order. The total period of extensions shall be the sum of (i), (ii) and (iii) above and shall be equal to period between the scheduled date of completion and the actual date of completion of contract. LD shall



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

be imposed / levied for the portion of time extensions attributable to contractor and recoverable from the dues payable to the contractor.

3.4. PROGRESS MONITORING, MONTHLY REVIEW AND PERFORMANCE EVALUATION

- 3.4.1. As soon as possible after awarding of work, the Engineer-In-charge and the contractor shall (if so required by the Engineer-In-charge) agree on major milestones/ Action Plan / time and progress chart for completion of the work within scheduled time. The chart in the work order shall have the completion date of the individual items thereof and/ or the contract or order as a whole. It shall indicate the forecast of the dates for commencement and completion of the various processes or sequences of the work, and shall be amended as may be required by agreement between Engineer-In-charge and contractor writing the limitations of time imposed in the tender document or order.
- 3.4.2. In the absence of any specific time and progress chart to be agreed to between the contractor and Engineer In charge, the contractor shall ensure and maintain, uninterrupted progress of the work such that the entire work shall be completed within the time imposed in the tender documents or order and the proportion of work that shall be completed up to any time in relation to the entire work to be done under the contract or order shall not be less than the proportion that the time elapsed bears to the total time of completion provided in the tender documents or order.
- 3.4.3. The contractor shall suspend the execution of the work or any part or parts thereof whenever called upon in writing by the Engineer-In-charge. The contractor will be allowed an extension of time for completion limited to not less than the period of suspension but no other claim in respect for compensation or otherwise whatsoever will be admitted. Time may also be extended to allow for alteration of work made by the deviation order as may be decided upon by the Engineer-In-charge in consultation with the contractor.
- 3.4.4 Unless otherwise specified in the Special conditions of contract, evaluation of Contractor Performance shall be carried out as per procedure for performance evaluation. These shall also be used for evaluation of bids for future tenders.

3.5. QUANTITY VARIATION

The quantities given in the contract are tentative and may change to any extent (both in plus side and minus side). The quoted rates for individual items shall remain firm irrespective of any variations in the individual quantities. No compensation becomes payable in case the variation of the final executed contract value unless specifically mentioned in NIT.

Increase in quantity by contractor / vendor will be done only after getting confirmation from BHEL / Site Engineer. Quantity variation of 30% in plus side will not require any approval provided there is no increase in contract price. If there is change in contract price, approval from competent authority is required

3.6. Removed/Deleted

3.7. STRIKES & LOCKOUT

- 3.7.1. The contractor will be fully responsible for all disputes and other issues connected with his labour.
- 3.7.2. In the event of the contractor's labour resorting to strike or the Contractor resorting to lockout and if the strike or lockout declared is not settled within a period of one



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

month, BHEL shall have the right to get the work executed through any other agencies and the cost so incurred by BHEL shall be at risk & cost of the Contractor.

3.8. DELAY AND EXTENSION OF TIME:

3.8.1 The Contractor shall be entitled to extension of time in following cases:

3.8.1.1 FORCE MAJEURE

The following shall amount to Force Majeure: -

- 3.8.1.1.1 Acts of God, act of any Government, War, Sabotage, Riots, Civil Commotion, local combination of worker strike or lockout, Police Action, Revolution, Flood, serious loss or damage by Fire, Cyclones, Earthquake and epidemic and other similar causes over which the contractor has no control.
- 3.8.1.1.2 Non-availability of stores, which are responsibility of BHEL etc. the same shall be covered under force majeure.
- 3.8.1.1.3 Because of any other cause, which in the absolute discretion of the (Accepting officer of the contract) beyond the contractor control.
- 3.8.1.2. The Contractor's work held up for not being given possession of or access to the Site by BHEL.
- 3.8.1.3. Instruction of the Engineer-in-charge to suspend the Works and the Contractor not being in default as to reasons of suspension;
- 3.8.1.4 Any order of Court restraining the performance of the Contract in full or in any part thereof;
- 3.8.1.5 Any other event or occurrence which, according to BHEL is not due to the Contractor's failure or fault, and is beyond its control without BHEL being responsible for the same;
- 3.8.1.6 Acts or omissions of other Consultants in executing their works not forming part of the Contract.

3.8.2. Except as mentioned above, the Contractor shall not be entitled to any extension of time for any reason whatsoever including:

- 3.8.2.1. The Contractor shall not be entitled to any extension of time where the instructions or acts of BHEL are necessitated by or intended to cure any default of or breach of the terms of the Contract committed by the Contractor;
- 3.8.2.2. The Contractor shall also not be entitled to any extension of time where any delay is due to:
 - The failure of its Subcontractor, to commence or to carry out the part of the Works in due time; or
 - Non-availability, or shortage of Contractor's equipment, labour, utility services, Plant and Materials; or
 - Inclement weather conditions except in case of Force Majeure;
- 3.8.3. If the contractor suffers delay in the due execution of the contractual obligation due to delays caused by factors mentioned in Clause 3.8.1 above, the agreed time of completion of the job covered by this contract or the obligations of the contractor shall be extended by a period of time equal to period of delay, provided that on the occurrence of any such contingency, the contractor reports to BHEL in writing the causes of delay within 07 days of its occurrence and the contractor shall not be eligible for any compensations.
- 3.8.4 When in such case(s) the accepting officer (or higher Authority), on recommendation of the Engineer-In- charge, may make fair and reasonable extension, in the completion date of the individual items of work of the contract as a whole. Such



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

extension, which will be communicated to the contractor by the Engineer- In-charge in writing, but shall nevertheless use constantly his best endeavor to prevent or make good the delay and shall do all that may be reasonable required to the satisfaction of the Engineer-In- charge to proceed with the work.

3.9. INSURANCE

- 3.9.1. BHEL shall arrange for insuring the materials/properties of BHEL covering the risks during transit, storage, erection and commissioning.
- 3.9.2. It is the sole responsibility of the contractor to insure his materials, equipment, workers, etc. against accidents and injury while at work and to pay compensation, if any, to workers as per Workmen's compensation Act.
- 3.9.3. If due to negligence and or non-observation of safety and other precautions by the contractors, any accident/injury occurs to the property / labor belong to third party, the contractor shall have to pay necessary compensation and other expense, if so decided by the appropriate authorities.
- 3.9.4. The contractor will take necessary precautions and due care to protect the material, while in his custody from any damage/ loss due to theft or otherwise till the same is taken over by BHEL or customer.
- 3.9.5. For lodging / processing of insurance claim the contractor will submit necessary documents. BHEL will recover the loss including the deductible franchise from the contractor, in case the damage / loss is due to carelessness / negligence on the part of the contractor. In case of any theft of material under contractor's custody, matter shall be reported to police by the contractor immediately and copy of FIR and subsequently police investigation report shall be submitted to BHEL for taking up with insurance. However, this will not relieve the contractor of his contractual obligation for the material in his custody.
- 3.9.6 The contractor shall ensure that no damage is caused to any person/property of other parties working at site. If any such damage is caused, it is responsibility of the contractor to make good the losses or compensate for the same.

3.10 TEMPORARY WORKS

- 3.10.1 All Temporary Works necessary for the proper execution of the Works shall be provided and maintained by the Contractor at its own cost and subject to the consent of the Engineer-in-Charge, shall be removed by the Contractor at its own expense when such Works are no longer required and in such manner as the Engineer-in-Charge shall direct. In case the Contractor fails to remove the Temporary Works on completion of the Works, the Engineer-in-charge is authorized to get such Temporary Works removed and recover the cost thereof from the Contractor or deduct such costs from the payments to be made to the Contractor.
- 3.10.2 The contractor shall keep the area of work clean and shall remove the debris etc. while executing day-to-day work. Upon completion of work, the contractor shall remove from the vicinity of work, all scrap, packing materials, rubbish, unused and other materials and deposit them in places specified by the Engineer. The contractor will also demolish all the hutments, sheds, offices, etc. constructed and used by him and shall clean the debris. In the event of his failure to do so, the same will be arranged to be done by the Engineer and the expenses recovered from the contractor.



CHAPTER-IV
4.0 VALUATION AND PAYMENT

4.1. RECORDS AND MEASURMENTS:

- 4.1.1. All items having a financial value shall be entered in the BHEL Measurement book so that a complete record is obtained on all work performed under the contract.
- 4.1.2. Measurement shall be carried out as per unit mentioned in the bill of quantity (price-bid).
- 4.1.3. The measurements shall be taken jointly by any person or persons duly authorized on the part of the BHEL and the contractor.
- 4.1.4. The Engineer-In-charge shall give reasonable notice in writing to the contractor for appointments for measurements.
- 4.1.5. The contractor shall without extra charge, provide assistance with appliance and other things necessary for measurements.
- 4.1.6. The contractor shall bear all the cost of measurement of his work.
- 4.1.7. Measurement shall be entered in the BHEL measurement book and signed and dated by both parties on the site on completion of measurement. If the contractor objects to any of the measurement recorded on behalf of BHEL in the Measurement Book or against the item or items objected to, and such note shall be signed and dated by both parties engaged in taking the measurements.
- 4.1.8. If as a result of such objection it becomes necessary to re-measure the work wholly or in part, the expense of such measurement shall be borne by the party requiring the measurement to be retaken provided that error found by this re-measurement amounts to less than 5% (five percent) of the value as recorded by the first measurement.
- 4.1.9. If the contractor's representative fails to attend when required, the Engineer-in-Charge shall have power to proceed by himself to take measurements, and in that case, these measurements shall be accepted by the contractor as final.

4.2. RUNNING & FINAL BILLS:

- 4.2.1. For progress running bills payment: As soon as possible after completion of each quarter of work (else at any period as specified in Special conditions for contract) to the satisfaction of the Engineer-in-charge, the contractor shall prepare & forward certified bills & work out the financial value. These will be entered in Measurement Book & signed by both parties. Payment shall be made after affecting the recoveries due from the contractor.
- 4.2.2. The contractor shall be entitled to be paid the final sum less the value of payments already made on account subject to certification to the final bill by the Engineer in Charge. No charge shall be allowed to the contractor on account of the preparation of the final bills.
- 4.2.3. Final bill shall be submitted as per prescribed format after completion of work as per scope and upon material reconciliation (if apply) along with the following –
 - No claim certificate by contractor on a non-judicial stamp paper or Indemnity bond as per prescribed format duly notarized indemnifying BHEL in respect of specified works contract against all claims & demand against third party liability including labour and government agencies.
 - Clearance certificates whichever applicable viz., clearance certificate from customer, various statutory authority like labour department, PF authority commercial tax dept. etc.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

4.2.4. BHEL, after receipt of the Bill/invoice complete in all respects, shall settle the final bill to contractor after deducting all dues to BHEL, within the stipulated days as per Clause 4.3.

4.3. PAYMENT OF BILLS:

The payment for bills will normally be **released within 30 days of submission of bills complete in all respects** with all documents. The Contractor should submit a duly filled EFT Mandate form certified through Bank for release of payment. It is the responsibility of the contractor to make his own arrangements for making timely payments towards labour wages, statutory payments, outstanding dues etc. and other dues in the meanwhile.

Uploading the Invoices on BHEL SUVIDHA Portal

"Irrespective of the value of the invoice amount, the supplier/ contractor should necessarily upload the invoice details on BHEL SUVIDHA portal at <https://suvidha.bhel.in/suvidha> /, prior to despatch/raising invoice. All documents as per contract checklist, along with additional documents (if any), must be uploaded on the portal. It is mandatory that tax invoices with a net amount (including taxes) exceeding Rs five lakhs uploaded on the portal are digitally signed using a Class 3 Digital Signature Certificate (DSC) issued by a licensed Certifying Authority. Submission of invoice document in hard copy is allowed for invoices with a net amount (including taxes) equal to and up to Rs five lakhs in case the requirement for digitally signed invoice is not explicitly mentioned in the contract checklist.

The Invoice will not be accepted in absence of the above."

4.4. RECOVERY FROM THE CONTRACTOR:

4.4.1. Whenever under the contract any sum of money shall be recoverable from or payable to the contractor, the same may be deducted from any sum then due or which at any time thereafter may become due to the contractor under the contract or under any other contract with BHEL or from his security deposit, or he shall pay the claim on demand.

4.4.2. Recoveries arising out of Risk & Cost and LD or any other recoveries due from Contractor:

Following sequence shall be applicable for recoveries from contractor:

- a) Dues available in the form of Bills payable to contractor, SD, BGs against the same contract.
- b) Demand notice for deposit of balance recovery amount shall be sent to contractor, if funds are insufficient to effect complete recovery against dues indicated in (a) above.
- c) If contractor fails to deposit the balance amount to be recovered within the period as prescribed in demand notice, following action shall be taken for balance recovery.
- d) If recovery cannot be made out of dues payable to the contractor as above, balance amount to be recovered, shall be informed to other Regions/Units for making recovery from the Unpaid Bills/Running Bills/SD/BGs/Final Bills of contractor.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

4.4.3 For civil contracts, recoveries on account of water supply charges shall be made at the rate of 0.1% of executed contract value unless exempted as per terms & conditions of contract.

4.4.4 Recoveries for tools, plant, and electricity shall be effected as per terms & conditions of the contract.

4.5. TAXES AND OTHER DUTIES:

4.5.1 All statutory taxes, cess, levies & duties shall be deducted from the payment, as per GST Act 2017 & other prevailing government rules.

4.5.2. GST RELATED TERMS & CONDITIONS

4.5.2.1 Bidder has to specify the following in their techno commercial bid (part I bid in case of two-part bid):

- a) Legal Name of the bidder as in GST registration, GST registration No., State, Place of business, category of registration under GST i.e. Registered dealer / Unregistered dealer/ dealer opted for Composition Scheme,
- b) HSN (Harmonised System Nomenclature) / SAC (Service Accounting Code), description of Goods/Services and applicable IGST / CGST / SGST rate and any other statutory levy, if any, for each item of Goods or Services.

4.5.2.2 Unregistered Dealer: Since in case of unregistered dealer, GST will have to be paid by BHEL under reverse charge mechanism, the same shall be added to the quoted price for evaluation bid.

4.5.2.3 Dealer opting for Composition Scheme in case of registered dealer, who opt for composition scheme at the time of submission of bid, no GST will be payable to the bidder and also same will not be considered for evaluation of bid. Dealer has to declare in technical bid that no GST is shown separately in price bid. However, in case at the time of actual supply, the bidder charges GST at normal rate, the same shall be reimbursed subject to the availability of GST credit to BHEL. In case GST credit is not available to BHEL, no GST will be payable to the bidder.

4.5.2.4 Reimbursement of GST shall be made by BHEL HERP on matching of Contractor inputs as mentioned below at GST portal and after ensuring of availability of input credit to BHEL, HERP. Hence, Contractor has to ensure compliance as follows:

- a) Timely raising & submission of GST compliant Invoices
- b) Timely receipt of Goods & Services
- c) Timely and correct payment of applicable GST by supplier/contractor
- d) Timely filing of return
- e) Compliance of other applicable provisions on supplier/contractor:

4.5.2.5 Contractor has to also give consent to accept payment of tax after such matching in all cases where bills are submitted directly to BHEL-HERP or through bank or under LC or through any other mode.

4.5.2.6 In the event of any disallowance of input credit (including reversal of credit) or applicability of interest or arising of any other financial liability on BHEL-HERP due to any default of supplier/contractor under GST such as non/delayed receipt of



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Good/Services, delayed raising & submission of invoices, delayed payment of tax, non/wrong declaration of sale by Contractor in return etc. or any other reason not attributable to BHEL, such implication shall be to supplier's/contractor's account and will be deducted from bills.

4.5.2.7 In the event of any change in the status of the bidder after submission of the bid but before the supply/service, GST applicable at the time of supply/service or GST quoted in the bid, based on the registration status of the bidder, whichever is lower shall be payable.

4.5.2.8. Statutory Variation in Taxes & duties as applicable at the time of supply shall be payable. However, in the event of no change in law but bidder quoting certain tax structure in bid document which is lower than the applicable one, such amount shall be the maximum amount of tax that can be claimed by bidder.

4.5.2.9 In case of Liquidated damage (LD) recovery, GST is not applicable on LD.

4.5.2.10. As per the extant GST rules, as of now it is not mandatory to file returns immediately and ITC has been allowed on self-declaration. In view of the changed scenario, the payment of GST shall have made to the contractors simultaneously with their work/services invoices. GST portion of invoice value will be paid only after fulfilling following conditions:

- (a) Payment of GST amount into Govt. Account by supplier against invoice raised to BHEL.
- (b) Filing of GST return within scheduled date.

I Display of GST credit against BHEL GSTIN NO.09AAACB4146P2ZC on GSTN portal.

4.6. INCOME TAX- IT:

All statutory taxes & levies shall be deducted from the payment, as per prevailing government rules.

4.7. MISCELLANEOUS CHARGES:

Unless otherwise specified in the Special conditions of Contract, Electricity shall be provided by BHEL free of cost. All charges on account of octroi, terminal, Entry tax, royalty and/or other duties on materials obtained for the work (excluding materials provided by BHEL) shall be borne by the contractor.

4.8. LIQUIDATED DAMAGE (LD)

4.8.1. If the contractor fails to maintain the required progress of work which results in delay in the completion of the work as per the contractual completion period, BHEL shall have the right to impose Liquidated Damage/Penalty at the rate of 0.5% of the contract value, per week of delay or part thereof subject to a maximum of 10% of the contract value. For this purpose, the period of delay shall be the delay attributable to the Contractor for the completion of work as per contract.

4.8.2 LD against delay in executed work/supply in case of Termination of Contract LD against delay in executed work/supply shall be calculated in line with LD clause of the contract for the delay attributable to contractor/ supplier.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

For this purpose, contract value shall be taken as Executed Value of work/supply for the purpose of limiting maximum LD value. Method for calculation of "LD against delay in executed work/supply" is given below.

- i. Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor/supplier= T1
- ii. Let the value of executed work/supply till the time of termination of contract= X
- iii. Let the Total Executable Value of work/supply for which inputs/fronts were made available to contractor/ supplier and were planned for execution till termination of contract = Y
- iv. Delay in executed work/supply attributable to contractor/supplier i.e. T2= $(1 - \frac{X}{Y}) \times T1$
- v. LD shall be calculated in line with LD clause of the Contract for the delay attributable to contractor/ supplier taking "X" as Contract Value and "T2" as delay attributable to contractor/ supplier.

Reason for the delay due to drawing, foundation, deputation of resources etc. will be documented properly for delay analysis and same to be submitted to finance for LD calculation, if applicable.

4.9. *Deleted*

4.10. No Interest payable to Contractor

Notwithstanding anything to the contrary contained in any other document comprising in the Contract, no interest shall be payable by BHEL to Contractor on any moneys or balances including but not limited to the Security Deposit, EMD, Retention Money, RA Bills or the Final Bill, or any amount withheld and/or appropriated by BHEL etc., which becomes or as the case may be, is adjudged to be due from BHEL to Contractor whether under the Contract or otherwise.



CHAPTER- V

5.0 RESPONSIBILITIES OF THE CONTRACTOR IN RESPECT OF LAWS, EMPLOYMENT OF WORKERS ETC.

5.1. The contractor should ensure compliance of labour laws, payment of wages, bonus, PF, ESIC, allowances for safety & hardship & other nonmonetary/ statutory benefits etc to labours employed by him either directly or through sub- contractors, in accordance with the provisions of:

- Contract Labour (R&A) Act 1970 and rules 1971.
- Payment of wages Act.
- Minimum Wages act 1948,
- Employees State Insurance Act 1948, Rules and regulations 1950.
- Employees Provident Fund Act 1952 and Pension Scheme 1995.
- Employees Compensation Act 1923.
- Maternity Benefit Act 1961.
- Equal Emolument Act 1976.
- Payment of Bonus Act 1963.
- Inter State Migrant Act.
- Building and Other Constructions Workers Act, 1996,

5.2. The contractor shall at all times indemnify BHEL HERP against all claims, damages or compensation under the provisions of above acts or any modifications thereof or any other law relating thereof and rules made thereunder from time to time or as consequence of any accident or injury to any workman or other persons in or about the works, whether in the employment of the contractor or not, save and except where such accident or injury has resulted from any act of the Corporation, its agents, or servants, and also against all costs, charges and expenses of any suit, action or proceeding arising out of such accident or injury and against all sum or sums which may with the consent of the contractor be paid to compromise or compendia any such claim.

5.3 The Contractor in the event of engaging 20 or more workmen, shall obtain Independent license under the Contract labour (Regulation and Abolition) Act 1970 from the concerned authorities based on Form-V issued by the Principal Employer/Customer. In order to issue Form-V by Customer, Contractor shall author all Statutory requirements like Insurance Policy, PF Code/PF Account number etc as per the requirement of BHEL/Customer.

5.4 BHEL shall recover the amount of compensation paid to victim(s) by BHEL towards loss of life/permanent disability due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as per Employee's Compensation Act, 1923 & Guidelines for Settlement of Claims for Compensation on accidents applicable to the Department of Public Enterprises.

5.5 Contractor shall ensure payment of statutory prescribed minimum wages as applicable from time to time in the presence authorized representative of BHEL and maintain proper records of their timely disbursement. These records need to be preserved for a period of at least any 3 years and should be made available even after the contract is over for any verification by the statutory/BHEL authorities.

5.6. In case of the contractor employs Women as employee he will discharge his obligation under law in respect of such women workers as per Factory Act, Maternity Benefit Act and other laws of Uttar Pradesh.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

- 5.7. The contractor shall pay and bear all taxes, fees, license charges, Cess, duties, deposits, tolls, royalties, commission or other charges which may be leviable on account of his operations in executing the contract.
- 5.8 All safety rules and codes applied by the BHEL at site shall be observed by the contractor without exception. The contractor shall be responsible for the safety of the equipment/material and works to be performed by him and shall maintain all light, fencing guards, slings etc. or other protection necessary for the purpose. Contractor shall also take such additional precautions as may be indicated from time to time by the Engineer-in-charge with a view to prevent pilferage, accidents, fire hazards. Due precautions shall be taken against fire hazards and atmospheric conditions.
- 5.9. Suitable number of Clerical staff, watch and ward, store keepers to take care of equipment/materials and construction tools and tackles shall be posted at site by the contractor till the completion of work under this contract.
- 5.10. The contractor shall arrange for such personal protective equipment as are necessary for such type of work and carry out the requisite site tests of handling equipment, lifting tools, tackles etc. as per prescribed standards and practices.
- 5.11. Contractor has to ensure the implementation of Health, Safety and Environment (HSE) requirements as per directions given by BHEL. The contractor has to assist in HSE audit by BHEL and submit compliance Report. The contractor has to generate and submit record/reports as per HSE plan/activities as per instruction of BHEL.
- 5.12 The Contractor shall not deploy any person below the age of 18 years or above the age of 60 years.



CHAPTER- VI

6.0 RIGHTS OF BHEL FOR TERMINATION/CANCELLATION OF CONTRACT

- 6.1. BHEL reserves the right to withdraw any portion of work and/or to restrict/alter quantum of work as indicated in the contract during the progress of work and get it done through other agencies to suit BHEL's commitment to its customer or in case BHEL decides to advance the date of completion due to other emergent reasons/ BHEL's obligation to its customer.
- 6.2. BHEL reserves the right to terminate the contract or withdraw portion of work and get it done through other agency, at the risk and cost of the contractor after due notice of a period of Two weeks by BHEL in any of the following cases:
 - i). Contractor's poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to contractor including unexecuted portion of work does not appear to be executable within balance available period considering its performance of execution.
 - ii). Withdrawal from or abandonment of the work by contractor before completion of the work as per contract.
 - iii). Non-completion of work by the Contractor within scheduled completion period as per Contract or as extended from time to time, for the reasons attributable to the contractor.
 - iv). Termination of Contract on account of any other reason (s) attributable to Contractor.
 - v). Assignment, transfer, subletting of Contract without BHEL's written permission.
 - vi). Non-compliance to any contractual condition or any other default attributable to Contractor.
- 6.3. If at any time after the acceptance of the tender, BHEL shall for any reason whatsoever not require the whole or any part of the work, to be carried out, the Engineer-In-charge shall give notice in writing of the fact to the contractor, who shall have no claim to any payment of compensation or otherwise, howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the foreclosing of the work.
- 6.4. The contractor shall be paid at contract rates for the full amount of the work executed including such additional work i.e., cleaning of site etc. as may be rendered necessary by the said foreclosing. He shall also be allowed a reasonable payment (as decided by the Accepting Officer) for any expenses sustained on account of labour and material collected but which could not be utilized on the work as verified by the Engineer-In-charge but the contractor shall not have any claim for compensation on account of any alterations having been made in the original specifications, drawings, designs and instructions involving and curtailment of the work as originally contemplated.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

Chapter VII

7.0 MISCELLANEOUS PROVISIONS & OTHER ISSUES.

7.1 SETTLEMENT OF DISPUTES & ARBITRATION:

- i. All questions/interpretations regarding subject matter of the contract shall be decided by the BHEL on the request of the vendor and the decision of the BHEL shall be final.
- ii. In case of dispute, steps shall be taken by the parties to the contract to settle the same through negotiations.
- iii. In case, dispute is not settled in negotiations, it shall be referred to conciliator appointed by the competent authority of the BHEL. The conciliation proceedings with respect to a dispute as defined in the BHEL Conciliation Scheme, 2018 and subsequent revisions can be initiated under the scheme at any stage whether before, during or even after the commencement of arbitration proceedings or litigation before courts. This conciliation scheme is available on our websites <https://herp.bhel.com> and www.bhel.com.
- iv. In case dispute is not settled in conciliation proceedings, the same shall be referred to arbitration as per corporate guidelines of the BHEL and the arbitration proceeding shall be conducted as per provisions of the arbitration and conciliation act, 1996 read with corporate guideline as amended from time to time.
- vi. The vendor shall continue to perform the contract, pending settlement of dispute(s).

7.2. LAWS GOVERNING THE CONTRACT:

The Order/Contract shall be executed and governed by the laws of India and the courts of India alone shall have jurisdiction in respect of any matter arising under or in connection with the Order/Contract.

7.3. ORDERS UNDER THE CONTRACT:

All orders, notices etc. to be under the contract shall be in writing, typescript or printed and if sent by registered post to the address given in tender of the contractor, shall be deemed to have been on the date when in ordinary course they would have been delivered to him. The contractor shall carry out without delay all orders given to him.

7.4. JURISDICTION OF COURT:

All disputes or differences arising out of or in connections with the contract shall be subject to the exclusive jurisdiction of the court at Varanasi (U.P.) Only.

7.5. CLOSING OF CONTRACTS

The Contract shall be considered completed and closed upon completion of all contractual obligations and settlement of Final Bill or completion of Guarantee period whichever is later. Upon closing of Contract, BHEL shall issue a completion certificate as per standard format, based on specific request of Contractor.

7.6. REVERSE AUCTION:

BHEL reserves the right to go for Reverse Auction. The Business Rules for Reverse Auction shall be as per BHEL guidelines issued from time to time.

7.7. SUSPENSION OF BUSINESS DEALINGS WITH CONTRACTORS:

Guidelines for suspension of business dealings with suppliers/ contractors: the revised guidelines for suspension of business dealings are available on BHEL website at "www.bhel.com" on "supplier registration page". Respective bidders / suppliers may refer



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

this before quoting as per their requirement. Action against the defaulted suppliers/ contractors' shall be taken as per these guidelines only.

7.8 PUBLIC PROCUREMENT POLICY:

As per the directives of government of India in form of public procurement (preference to make in India) order, 2017 and subsequent orders, BHEL will extend the purchase preference to Indian vendors over foreign suppliers for items identified by the respective nodal ministries from time to time. "for this procurement, public procurement (preference to make in India), order 2017 dated 15.06.2017, 28.05.2018, 29.05.2019 & 04.06.2020 and subsequent orders issued by the respective nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/ PO/ WO against this NIT. In the event of any nodal ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable."

7.9 INTEGRITY PACT (IP):

The revised Implementation Circular, IP document and the IP clause will be applicable for all tenders (covered under Purchase Policy/ Works Policy) above threshold value (presently Rs. 2 Cr.) floated on or after 01.04.2022 as per SS&P Ref: AA: SSP: IP Circular No. 32 of 2021-22 dated 28.02.2022 & Ref: AA: SSP: IP:22-23:01 Circular 12 of 2022-23 dated 26.07.2022.

7.10 Conflict of interest among Bidders/Agents:

A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of procuring entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if

- a) They have controlling partner (s) in common; or
- b) They receive or have received any direct or indirect subsidy financial stake from any of them; or
- c) They have the same legal representative/agent for purposes of this bid; or
- d) They have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder; or
- e) Bidder participates in more than one bid in this bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly assemblies from one bidding manufacturer in more than one bid; or
- f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following:
 - 1. The principal manufacturer directly or through one Indian agent on his behalf; and
 - 2. Indian/foreign agent on behalf of only one principal; or
- g) A bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the bid; or
- h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business.



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

7.11 Breach of contract, Remedies and Termination:

The following shall amount to breach of contract:

- I. Non-supply of material/ non-completion of work by the Supplier/Vendor within scheduled delivery/ completion period as per contract or as extended from time to time.
- II. The Supplier/Vendor fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery/ completion period to justify that supplies shall be inordinately delayed beyond contractual delivery/ completion period.
- III. The Supplier/Vendor delivers equipment/ material not of the contracted quality.
- IV. The Supplier/Vendor fails to replace the defective equipment/ material/ component as per guarantee clause.
- V. Withdrawal from or abandonment of the work by the Supplier/Vendor before completion as per contract.
- VI. Assignment, transfer, subletting of Contract by the Supplier/Vendor without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
- VII. Non-compliance to any contractual condition or any other default attributable to Supplier/Vendor.
- VIII. Any other reason(s) attributable to Vendor towards failure of performance of contract. In case of breach of contract, BHEL shall have the right to terminate the Purchase Order/ Contract either in whole or in part thereof without any compensation to the Supplier/Vendor.
- IX. Any of the declarations furnished by the contractor at the time of bidding and/ or entering into the contract for supply are found untruthful and such declarations were of a nature that could have resulted in non-award of contract to the contractor or could expose BHEL and/ or Owner to adverse consequences, financial or otherwise.
- X. Supplier/Vendor is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of BHEL, in violation of the Integrity Pact entered into with BHEL has the potential to harm the overall business of BHEL/ Owner.

Note- Once BHEL considers that a breach of contract has occurred on the part of Supplier/Vendor, BHEL shall notify the Supplier/Vendor by way of notice in this regard. Contractor shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days.

In case the contractor fails to remedy the breach, as mentioned in the notice, to the satisfaction of BHEL, BHEL shall have the right to take recourse to any of the remedial actions available to it under the relevant provisions of contract.

LD against delay in executed work in case of Termination of Contract:

LD against delay in executed work shall be calculated in line with LD clause no. 4.8 of GCC, for the delay attributable to contractor. For limiting the maximum value of LD, contract value shall be taken as Executed Value of work till termination of contract.

Method for calculation of "LD against delay in executed work in case of termination of contract" is given below.

- i). Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor = T1
- ii). Let the value of executed work till the time of termination of contract= X
- iii). Let the Total Executable Value of work for which inputs/fronts were made available to



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

contractor and were planned for execution till termination of contract = Y
iv). Delay in executed work attributable to contractor i.e. $T2=[1-(X/Y)] \times T1$
v). LD shall be calculated in line with LD clause (clause 2.7.9) of the Contract for the delay attributable to contractor taking "X" as Contract Value and "T2" as period of delay attributable to contractor.

Remedies in case of Breach of Contract

i) Wherein the period as stipulated in the notice issued under Note of clause 7.11 has expired and Contractor has failed to remedy the breach, BHEL will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to contractor.

ii) Upon termination of contract, BHEL shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Contractor. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc. available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the contractor, retention amount, from the money due to the Contractor etc. with BHEL) or the other legal remedies shall be pursued.

iii) wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered in all or any of the following manners:

iv) In case the amount recovered under sub clause (a) above is not sufficient to fulfil the amount recoverable then; a demand notice to deposit the balance amount within 30 days shall be issued to Contractor.

v) If Contractor fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery of the balance amount:

a. from dues available in the form of Bills payable to defaulted Contractor against the same contract.

b. If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Contractor under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD.

c. In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted Contractor.

vi) It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and BHEL will not be required to furnish any other evidence to the Contractor for the purpose of estimation of damages.

vii) In addition to the above, imposition of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract.

Note:

1) The defaulting contractor shall not be eligible for participation in any of the future



Bharat Heavy Electricals Limited
Heavy Equipment Repair Plant
Works Contract Management (WCM) Department
TARNA, SHIVPUR, VARANASI-221003

enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include:

- (a) In case defaulted contractor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor.
- (b) In case defaulted contractor is The Partnership Firm, any firm comprising of same partners/ some of the same partners (but not including any new partner); or sole proprietorship firm owned by any partner(s) as a sole proprietor.

7.12 SPECIAL CONDITIONS FOR MICRO AND SMALL ENTERPRISES (MSEs):

Special benefits as per govt rules will be provided to MSEs unless stated otherwise in Tender Document. Benefits will be passed on only in specific categories of services and only for specific categories of MSEs, which qualifies for exemption as per govt rules. Following conditions will be applicable for MSEs:

- i. MSE contractor can avail the intended benefits as per guidelines of Ministry of MSE only if they submit **Valid UDYAM certificate** along with Technical Bid.
- ii. To avail the benefit intended for MSEs, bidders must claim for such benefit. Without such claims, benefits will not be passed on to them.

7.13 OTHER ISSUES:

Value of Non-Judicial Stamp paper for Bank guarantee and for Contract agreement shall be not less than Rs.100 unless otherwise required under relevant statutes. All expenses towards procurement of Stamp paper and preparation of contract agreement shall be in the scope of contractor.

In case of any conflict between the General Conditions of Contract and special Conditions of contract, provisions specified in the Special conditions of contract shall prevail.

BHEL may not insist for signing of Contract Agreements in respect of low value and short time period.