

Rev 02
17th Sept
2020

NOTICE INVITING TENDER

(Document No PS:MSX:NIT)

Bharat Heavy Electricals Limited



NOTICE INVITING E-TENDER (NIT)

NOTE: BIDDER MAY DOWNLOAD FROM WEB SITES

To

Dear Sir/Madam

Sub : NOTICE INVITING E-TENDER

Sealed offers in two part bid system (National competitive bidding (NCB) are invited from reputed & experienced bidders (meeting PRE QUALIFICATION CRITERIA as mentioned in Annexure-1) for the subject job by the undersigned on the behalf of BHARAT HEAVY ELECTRICALS LIMITED as per the tender document. Following points relevant to the tender may please be noted and complied with.

1.0 Salient Features of NIT

SL NO	ISSUE	DESCRIPTION	
i	TENDER NUMBER	TENDER NO. BHEL/NR/SCT/GADARWARA/BALANCE BOILER WORK/1222	
ii	Broad Scope of job	“Balance works of mechanical, painting and insulation works of Unit-2 of Boiler and Piping”	
iii	DETAILS OF TENDER DOCUMENT		
a	Volume-IA	<i>Technical Conditions of Contract (TCC) consisting of Scope of work, Technical Specification, Drawings, Procedures, Bill of Quantities, Terms of payment, etc</i>	Applicable
b	Volume-IB	<i>Special Conditions of Contract (SCC)</i>	Applicable
c	Volume-IC	<i>General Conditions of Contract (GCC)</i>	Applicable
d	Volume-ID	<i>Forms and Procedures</i>	
e	Volume-II	<i>Price Schedule (Absolute value).</i>	Applicable
iv	Issue of Tender Documents	Tender documents will be available for downloading from BHEL eProcurement portal (https://eprocurebhel.co.in) till due date of submission: <i>Start : 26 / 05 / 2021 , Time : 17:00 Hrs</i> <i>Closes: 07/ 06/ 2021 , Time : 10:00 Hrs</i> Brief information of the tenders shall also be available at BHEL website (www.bhel.com)	Applicable
v	DUE DATE & TIME OF OFFER SUBMISSION	Date : 07 / 06 / 2021, Time : 10:00 hrs Place : on https://eprocurebhel.co.in	Applicable
vi	OPENING TENDER OF	Date : 07 / 06 / 2021 , Time : 15:30 hrs Notes:	Applicable

		<p>(1) In case the due date of opening of tender becomes a non-working day, then the due date & time of offer submission and opening of tenders get extended to the next working day.</p> <p>(2) Bidder may depute representative to witness the opening of tender. For e-Tender, Bidder may witness the opening of tender through e-Procurement portal only.</p>	
vii	EMD AMOUNT	Nil	Not Applicable
viii	COST OF TENDER	Free	
ix	LAST DATE FOR SEEKING CLARIFICATION	<p>Five days before bid submission due date Along with soft version also, addressing to undersigned & to others as per contact address given below:</p> <p>1) Name: G.V. RAJA SEKHAR Designation: Sr. Manager Dept: SCT Address: BHEL-PSNR, PLOT NO. 25, SECTOR – 16A, NOIDA - 201301 Phone: (Landline) 0120-2416232 Email : gvr@bhel.in</p> <p>2) Name: SHABANA PARVEEN Designation: Dy. MANAGER Dept: SCT Address: BHEL-PSNR, PLOT NO. 25, SECTOR – 16A, NOIDA - 201301 Phone: (Landline) 0120 - 2416444 Email : shabana.parveen@bhel.in</p>	Applicable
x	SCHEDULE OF Pre Bid Discussion (PBD)	Date :	Not applicable.
xi	INTEGRITY PACT & DETAILS OF INDEPENDENT EXTERNAL MONITOR (IEM)	Please refer clause no. 15.	Not Applicable
xii	Latest updates	Latest updates on the important dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Errata, Modifications, Revisions, etc. to Tender Specifications will be hosted in BHEL webpage (www.bhel.com -->Tender Notifications →View Corrigendums), BHEL eProcurement portal (https://eprocurebhel.co.in) and not in the newspapers . Bidders to keep themselves updated with all such information.	

2.0 The offer shall be submitted as per the instructions of tender document and as detailed in this NIT. Bidders to note specifically that all pages of tender document, including these NIT pages of this particular tender together with subsequent correspondences shall be submitted by them, duly signed digitally using Class III DSC &

uploaded in E-Procurement Portal, as part of offer. **Rates/Price including discounts/rebates, if any, mentioned anywhere/in any form in the techno-commercial offer other than the Price Bid, shall not be entertained.**

3.0 Not Used.

4.0 Unless specifically stated otherwise, bidder shall deposit EMD as per clause 1.9 of General Conditions of Contract.

For Electronic Fund Transfer the details are as below:-

a) Name of the Beneficiary :- Bharat Heavy Electricals Limited

b) Bank Particulars

i).	Bank Name :-	STATE BANK OF INDIA
ii).	Bank Telephone No.(with STD code):-	011-23475566
iii).	Branch Address:-	CAG II BRANCH, NEW DELHI 4 th & 5 th FLOOR, REDFORT CAPITAL, PARASNATH TOWERS, BHAI VEER SINGH MARG, GOLE MARKET, NEW DELHI-110001
iv).	Bank Fax No. (with STD code) :-	011-23475566
v).	Branch Code :-	17313
vi).	9 Digit MICR Code of the Bank Branch :-	110002562
vii).	Bank Account Number :-	10813608647
viii).	Bank Account Type :-	CASH CREDIT
ix).	11 Digit IFSC Code of Beneficiary Branch:-	SBIN0017313

(Note :- In case of E-Tenders, proof of remittance of EMD should be uploaded in the E-Procurement Portal and originals, as applicable, shall be sent to the officer inviting tender within a reasonable time, failing which the offer is liable to be rejected.)

5.0 Procedure for Submission of Tenders: This is an E-tender floated online through our E-Procurement Site (<https://eprocurebhel.co.in>). The bidder should respond by submitting their offer online only in our e-Procurement platform at (<https://eprocurebhel.co.in>). Offers are invited in two-parts only.

Documents Comprising the e-Tender

The tender shall be submitted online ONLY EXCEPT EMD (in physical form) as mentioned below:

a. Technical Tender (UN priced Tender)

All Technical details (e.g. Eligibility Criteria requested (as mentioned below)) should be attached in e-tendering module, failing which the tender stands invalid & may be REJECTED. Bidders shall furnish the following information along with technical tender (preferably in pdf format):

- i. Earnest Money Deposit (EMD) furnished in accordance with NIT Clause 4.0. Alternatively, documentary evidence for claiming exemption as per clause 29 of NIT.
- ii. Technical Bid (without indicating any prices).

b. Price Bid:

- i. Prices are to be quoted in the attached Price Bid format online on e-tender portal.
- ii. The price should be quoted for the accounting unit indicated in the e-tender document.
- iii. Note: It is the responsibility of tenderer to go through the Tender document to ensure furnishing all required documents in addition to above, if any. Any deviation would result in REJECTION of tender and would not be considered at a later stage at any cost by BHEL.

- iv. A person signing (manually or digitally) the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrantee that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages.
- v. A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.

DO NOT'S

Bidders are requested NOT to submit the hard copy of the Bid. In case offer is sent through hard copy/fax/telex/cable/electronically in place of e-tender, the same shall not be considered. **Also, uploading of the price bid in prequalification bid or technical bid may RESULT IN REJECTION of the tender.**

Digital Signing of e-Tender

Tenders shall be uploaded with all relevant PDF/zip format. The relevant tender documents should be uploaded by an authorized person having Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION digital signature certificate (DSC).

The Requirement:

- 1. A PC with Internet connectivity &
- 2. DSC (Digital Signature Certificate) (**Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION**)

The contact details of the service provider are given below:

For any technical related queries please call at 24 x 7 Help Desk Number

0120-4001 002, 0120-4001 005 & 0120-6277 787

International bidders are requested to prefix 91 as country code

Email Support - Technical - support-eproc@nic.in

Note: For any Issues or Clarifications relating to the published tenders, bidders are requested to contact the respective Tender Inviting Authority

The process of utilizing e-procurement necessitates usage of **DSC (Digital Signature Certificate)**

(Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION) and you are requested to procure the same immediately, if not presently available with you. Please note that only with DSC, you will be able to login the e-procurement secured site and take part in the tendering process.

The contact details of the DSC Certifying Authority as given below:

Sl. No.	Name	Website Link
1	GNFC	www.ncodesolutions.com
2	e-Mudhra	http://www.e-Mudhra.com
3	Safescrypt	www.safescrypt.com

Vendors are also requested to go through seller manual available on <https://eprocurebhel.co.in>.

- 6.0 Not used.
- 7.0 Deviation with respect to tender clauses and additional clauses/suggestions in Techno-commercial bid / Price bid shall NOT be considered by BHEL. Bidders are requested to positively comply with the same.
- 8.0 BHEL reserves the right to accept or reject any or all Offers without assigning any reasons thereof. BHEL also reserves the right to cancel the Tender wholly or partly without assigning any reason thereof. Also BHEL shall not entertain any correspondence from bidders in this matter (except for the refund of EMD).

9.0 Assessment of Capacity of Bidders:

Bidder's capacity for executing the job under tender shall be assessed 'LOAD' wise and 'PERFORMANCE' wise as per the following:

- I. **LOAD:** Load takes into consideration ALL the contracts of the Bidder under execution with BHEL Regions, irrespective of whether they are similar to the tendered scope or not. The cut off month for reckoning 'Load' shall be the 3rd Month preceding the month corresponding to the 'latest date of bid submission', in the following manner

(Note: For example, if latest bid submission is in Jan 2017, then the 'load' shall be calculated up to and inclusive of Oct 2016)

Total number of Packages in hand = Load (P)

Where 'P' is the sum of all unit wise identified packages (refer table-1) under execution with BHEL Regions as on the cut off month defined above, including packages yet to be commenced, excepting packages which are on Long Hold.

- II. **PERFORMANCE:** Here 'Monthly Performance' of the bidder for all the packages (under execution/ executed during the 'Period of Assessment' in all Power Sector Regions of BHEL) **SIMILAR** to the packages covered under the tendered scope, excepting packages not commenced shall be taken into consideration. The 'Period of Assessment' shall be 6 months preceding and including the cut off month. The cut off month for reckoning 'Period of Assessment' shall be the 3rd Month preceding the month corresponding to 'latest date of bid submission', in the following manner:

(Note: For example, if 'latest date of bid submission' is in Jan 2017, then the 'performance' shall be assessed for a 6 months' period up to and inclusive of Oct 2016 (i.e. from May 2016 to Oct 2016), for all the unit wise identified packages (refer Table I))

- i). Calculation of Overall 'Performance Rating' for 'Similar Package/Packages' for the tendered scope under execution at Power Sector Regions for the 'Period of Assessment':

This shall be obtained by summing up the 'Monthly Performance Evaluation' scores obtained by the bidder in all Regions for all the similar Package/packages', divided by the total number of Package months for which evaluation should have been done, as per procedure below:

- a) $P_1, P_2, P_3, P_4, P_5, \dots, P_N$ etc. be the packages (under execution/ executed during the 'Period of Assessment' in all Regions of BHEL) **SIMILAR** to the packages covered under the tendered scope, excepting packages not commenced. Total number of similar packages for all Regions = P_T (i.e. $P_T = P_1 + P_2 + P_3 + P_4 + \dots + P_N$)
- b) Number of Months ' T_1 ' for which 'Monthly Performance Evaluation' as per relevant formats, should have been done in the 'Period of Assessment' for the corresponding similar package P_1 . Similarly T_2 for package P_2 , T_3 for package P_3 , etc. for the tendered scope. Now calculate cumulative total months ' T_T ' for total similar Packages ' P_T ' for all Regions (i.e. $T_T = T_1 + T_2 + T_3 + T_4 + \dots + T_N$)
- c) Sum ' S_1 ' of 'Monthly Performance Evaluation' Scores ($S_{1,1}, S_{1,2}, S_{1,3}, S_{1,4}, S_{1,5}, \dots, S_{1,T_1}$) for similar package P_1 , for the 'period of assessment' ' T_1 ' (i.e. $S_1 = S_{1,1} + S_{1,2} + S_{1,3} + S_{1,4} + S_{1,5} + \dots + S_{1,T_1}$). Similarly, S_2 for package P_2 for period T_2 , S_3 for package P_3 for period T_3 etc. for the tendered scope for all

Regions. Now calculate cumulative sum 'S_T' of 'Monthly Performance Evaluation' Scores for total similar Packages 'P_T' for all Regions (i.e. 'S_T' = S₁+ S₂+ S₃+ S₄+ S₅+ ... S_N)

d) **Overall Performance Rating 'R_{BHEL}' for the Similar Package/Packages** (under execution/executed during the 'Period of Assessment') in all the Power Sector Regions of BHEL

$$\begin{aligned}
 & \text{Aggregate of Performance scores for all similar packages in all the Regions} \\
 & = \text{-----} \\
 & \text{Aggregate of months for each of the similar packages for which performance} \\
 & \text{should have been evaluated in all the Regions} \\
 & \text{S}_T \\
 & = \text{-----} \\
 & \text{T}_T
 \end{aligned}$$

e) Bidders to note that the risk of non-evaluation or non-availability of the 'Monthly Performance Evaluation' reports as per relevant formats is to be borne by the Bidder.

f) Table showing methodology for calculating 'a', 'b' and 'c' above

Sl. No.	Item Description	Details for all Regions							Total
		(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	
(i)	(ii)								(x)
1	Similar Packages for all Regions → (under execution/executed during period of assessment)	P ₁	P ₂	P ₃	P ₄	P ₅	...	P _N	Total No. of similar packages for all Regions = P _T i.e. Sum (Σ) of columns (iii) to (ix)
2	Number of Months for which 'Monthly Performance Evaluation' as per relevant formats should have been done in the 'period of assessment' for corresponding Similar Packages (as in row 1)	T ₁	T ₂	T ₃	T ₄	T ₅	...	T _N	Sum (Σ) of columns (iii) to (ix) = T _T
3	Monthly performance scores for the corresponding period (as in Row 2)	S ₁₋₁ , S ₁₋₂ , S ₁₋₃ , S ₁₋₄ , ... S _{1-T1}	S ₂₋₁ , S ₂₋₂ , S ₂₋₃ , S ₂₋₄ , ... S _{2-T2}	S ₃₋₁ , S ₃₋₂ , S ₃₋₃ , S ₃₋₄ , ... S _{3-T3}	S ₄₋₁ , S ₄₋₂ , S ₄₋₃ , S ₄₋₄ , ... S _{4-T4}	S ₅₋₁ , S ₅₋₂ , S ₅₋₃ , S ₅₋₄ , ... S _{5-T5}	..	S _{N-1} , S _{N-2} , S _{N-3} , S _{N-4} , ... S _{N-TN}	-----
4	Sum of Monthly Performance scores of the corresponding Package for the corresponding period (as in row-3)	S ₁	S ₂	S ₃	S ₄	S ₅	...	S _N	Sum (Σ) of columns (iii) to (ix) = S _T

ii). Calculation of Overall 'Performance Rating' (R_{BHEL}) in case at least 6 evaluation scores for 'similar Package/Packages' for the tendered scope ARE NOT AVAILABLE, during the 'Period of Assessment':

This shall be obtained by summing up the 'Monthly Performance Evaluation' scores obtained by the bidder in all Regions for ALL the packages, divided by the total number of Package months for which evaluation should have been done. 'R_{BHEL}' shall be calculated subject to availability of 'performance scores' for at least 6 'package months' in the order of precedence below:

- 'Period of Assessment' i.e. 6 months preceding and including the cut-off month
- 12 months preceding and including the cut-off month
- 24 months preceding and including the cut-off month

In case, R_{BHEL} cannot be calculated as above, then Bidder shall be treated as 'NEW VENDOR'. Further eligibility and qualification of this bidder shall be as per definition of 'NEW VENDOR' described in 'Explanatory Notes'.

iii). Factor "L" assigned based on Overall Performance Rating (R_{BHEL}) at Power Sector Regions:

Sl. no.	Overall Performance Rating (R _{BHEL})	Corresponding value of 'L'
1	=60	NA
2	> 60 and \leq 65	0.4
3	> 65 and \leq 70	0.35
4	> 70 and \leq 75	0.25
5	> 75 and $<$ 80	0.2
6	\geq 80	NA

III. **'Assessment of Capacity of Bidder':**

'Assessment of Capacity of Bidder' is based on the Maximum number of packages for which a vendor is eligible, considering the performance scores of similar packages, as below:

Max number of packages P_{Max} = (R_{BHEL} - 60) divided by corresponding value of 'L', i.e. (R_{BHEL} - 60)/L

Note:

- In case the value of P_{Max} results in a fraction, the value of P_{Max} is to be rounded off to next whole number
- For R_{BHEL} = 60, P_{Max} = '1'
- For R_{BHEL} \geq 80, there will be no upper limit on P_{Max}

The Bidder shall be considered 'Qualified' as per 'Assessment of Capacity of Bidder' for the subject Tender if P \leq P_{Max}
(Where P is calculated as per clause 'I' above)

IV. **Explanatory note:**

- Similar package means Boiler or ESP or Piping or Turbine or Civil or Structure or Electrical or C&I etc. at the individual level irrespective of rating of Plant and irrespective of whether the subject tender is a single package or as part of combined/composite packages. Normally Boiler, ESP, Piping, Turbine, Electrical, C&I, Civil, Structure etc. is considered individual level of package. For example, in case the tendered scope is a Boiler Vertical Package comprising of Boiler, ESP and Power Cycle Piping (i.e. the 'identified packages as per Table-1 below), the 'PERFORMANCE' part against sl.no. II above, needs to be evaluated considering all the identified packages (i.e. Boiler, ESP and Power Cycle Piping) and finally the Bidder's capacity to execute the tendered scope is assessed in line with III above.

ii). Identified Packages (Unit wise)

Table-1

Civil	Electrical and C&I	Mechanical
i). Enabling works	i). Electrical	i). Boiler & Aux (All types including CW Piping if applicable)
ii). Pile and Pile Caps	ii). C&I	ii). Power Cycle Piping/Critical Piping
iii). Civil Works including foundations	iii). Others (Elect. and C&I)	iii). ESP
iv). Structural Steel Fabrication & Erection		iv). LP Piping
v). Chimney		v). Steam Turbine Generator set & Aux
vi). Cooling Tower		vi). Gas Turbine Generator set & Aux
vii). Others (Civil)		

		vii). Hydro Turbine Generator set & Aux viii). Turbo Blower (including Steam Turbine) ix). Material Management x). FGD xi). ACC xii). Others (Mechanical)
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iii). Bidders who have not been evaluated for at least six package months in the last 24 months preceding and including the Cut-off month in the online BHEL system for contractor performance evaluation in BHEL PS Regions, shall be considered "NEW VENDOR".

A 'NEW VENDOR' shall be considered qualified subject to satisfying all other tender conditions.

A 'NEW VENDOR' if awarded a job (of package/packages identified under this clause) shall be tagged as "FIRST TIMER" on the date of first LOI from BHEL.

The "FIRST TIMER" tag shall remain till completion of all the contracts against which vendor has been tagged as First Timer or availability of 6 evaluation scores within last 24 months preceding and including the Cut-off month in the online BHEL system for contractor performance evaluation in BHEL PS Regions.

A Bidder shall not be eligible for the next job as long as the Bidder is tagged as "FIRST TIMER" excepting for the Tenders which have been opened on or before the date of the bidder being tagged as 'FIRST TIMER'.

After removal of 'FIRST TIMER' tag, the Bidder shall be considered 'QUALIFIED' for the future tenders subject to satisfying all other tender conditions including 'Assessment of Capacity of Bidders'.

iv). Consequent upon applying the criteria of 'Assessment of Capacity of Bidders' detailed above on all the bidders qualified against Technical and Financial Qualification criteria, if the number of qualified bidders reduces to less than minimum no. of bidders required for conducting RA as per extant RA Guidelines, then for further processing of the Tender, BHEL at its discretion reserves the right to also consider the bidders who are "not qualified" as per criteria of 'Assessment of Capacity of Bidders' and for this, procedure described in following three options shall be followed:

- All the bidders having Overall Performance Rating ('R_{BHEL}') ≥ 60 shall be considered qualified against criteria of 'Assessment of Capacity of Bidders'.
- If even after using option "a", the number of qualified bidders remains less than minimum no. of bidders required for conducting RA as per extant RA Guidelines, then in addition to bidders considered as per option "a", "First timer" bidders having average of available performance scores ≥ 60 upto and including the Cut Off month shall also be considered qualified against criteria of 'Assessment of Capacity of Bidders'.
- If even after using option "a" and "b", the number of qualified bidders remains less than minimum no. of bidders required for conducting RA as per extant RA Guidelines, then in addition to bidders considered as per option "a" and "b", "First timer" bidders for whom no performance score is available in the system upto and including the Cut Off month, shall also be considered qualified against criteria of 'Assessment of Capacity of Bidders'.

Note:- In case, the number of bidders qualified against Technical and Financial Qualification criteria itself is less than minimum no. of bidders required for conducting RA as per extant RA Guidelines, then all bidders (a)- having Overall Performance Rating ('R_{BHEL}') ≥ 60 , (b)- "First timer" bidders having average of available performance scores ≥ 60 upto and including the Cut Off month, (c)- "First timer" bidders for whom no performance score is available in the system upto and including the Cut Off month, shall be considered qualified against criteria of 'Assessment of Capacity of Bidders' for further processing of tender.

- 'Under execution' shall mean works in progress as per the following:

- a. Up to execution of 90% of anticipated Contract Value in case of Civil, MM, Structural and Turbo Blower Packages
- b. Up to Steam Blowing in case of Boiler/ESP/Piping Packages
- c. Up to Synchronization in all Balance Packages

Note: BHEL at its discretion can extend (or reduce in exceptional cases in line with Contract conditions) the period defined against (a), (b) and (c) above, depending upon the balance scope of work to be completed.

- vi). Contractor shall provide the latest contact details i.e. mail-ID and Correspondence Address to SCT Department, so that same can be entered in the Contractor Performance Evaluation System, and in case of any change/discrepancy same shall be informed immediately. Login Details for viewing scores in Contractor Performance Evaluation System shall be provided to the Contractor by SCT Department.
- vii). Performance Evaluation for Activity Month shall be completed in Evaluation Month (i.e. month next to Activity Month) or in rare cases in Post Evaluation Month (i.e. month next to Evaluation Month) after approval from Competent Authority. In case scores are not acceptable, Contractor can submit Review Request to GM Site/ GM Project latest by 25th of Evaluation Month or 3 days after approval of score, whichever is later. However, acceptance/rejection of 'Review Request' solely depends on the discretion of GM Site/GM Project. After acceptance of Review Request, evaluation score shall be reviewed at site and the score after completion of review process shall be acceptable and binding on the contractor.
- viii). Project on Hold due to reasons not attributable to bidder -
 - a. **Short hold:** Evaluation shall not be applicable for this period, however Loading will be considered.
 - b. **Long hold:** Short hold for continuous six months and beyond or hold on account of Force Majeure shall be considered as Long Hold. Evaluation as well as Loading shall not be considered for this period.
- ix). Performance evaluation as specified above in this clause is applicable to Prime bidder and Consortium partner (or Technical tie up partner) for their respective scope of work.

10.0 Since the job shall be executed at site, bidders must visit site/ work area and study the job content, facilities available, availability of materials, prevailing site conditions including law & order situation, applicable wage structure, wage rules, etc. before quoting for this tender. They may also consult this office before submitting their offers, for any clarifications regarding scope of work, facilities available at sites or on terms and conditions.

11.0 For any clarification on the tender document, the bidder may seek the same in writing or through e-mail and/or through e-procurement portal, as per specified format, within the scheduled date for seeking clarification, from the office of the undersigned. BHEL shall not be responsible for receipt of queries after due date of seeking clarification due to postal delay or any other delays. Any clarification / query received after last date for seeking clarification may not be normally entertained by BHEL and no time extension will be given.

12.0 BHEL may decide holding of pre-bid discussion [PBD] with all intending bidders as per date indicated in the NIT. The bidder shall ensure participation for the same at the appointed time, date and place as may be decided by BHEL. Bidders shall plan their visit accordingly. The outcome of pre-bid discussion (PBD) shall also form part of tender.

13.0 In the event of any conflict between requirement of any clause of this specification/ documents/drawings/data sheets etc. or requirements of different codes/standards specified, the same to be brought to the knowledge of BHEL in writing for clarification before due date of seeking clarification (whichever is applicable), otherwise, interpretation by BHEL shall prevail. Any typing error/missing pages/ other clerical errors in the tender documents, noticed must be pointed out before pre-bid meeting/submission of offer, else BHEL's interpretation shall prevail.

14.0 Unless specifically mentioned otherwise, bidder's quoted price shall deemed to be in compliance with tender including PBD.

15.0 IP- Not applicable

16.0 The Bidder has to satisfy the Pre-Qualifying Requirements stipulated for this Tender in order to be qualified. The Price Bids of only those bidders will be opened who will be qualified for the subject job on the basis of satisfying the Pre-Qualification Criteria specified in this NIT as per Annexure-I (as applicable), past performance etc. and date of opening of price bids shall be intimated to only such bidders. BHEL reserves the right not to consider offers of parties under HOLD.

17.0 In case BHEL decides on a 'Public Opening', the date & time of opening of the sealed PRICE BID shall be intimated to the qualified bidders and in such a case, bidder may depute one authorized representative to witness the price bid opening. BHEL reserves the right to open 'in-camera' the 'PRICE BID' of any or all Unsuccessful/Disqualified bidders under intimation to the respective bidders.

18.0 Validity of the offer shall be for **six months** from the latest due date of offer submission (including extension, if any) unless specified otherwise.

19.0 BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com on "supplier registration page") for this tender. RA shall be conducted among all the techno-commercially qualified bidders. Price Bids of all the techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.

20.0 On submission of offer, further consideration will be subject to compliance to tender & qualifying requirement and customer's acceptance, as applicable.

21.0 In case the bidder is an "Indian Agent of Foreign Principals", 'Agency agreement has to be submitted along with Bid, detailing the role of the agent along with the terms of payment for agency commission in INR, along with supporting documents.

22.0 The bidders shall not enter into any undisclosed M.O.U. or any understanding amongst themselves with respect to tender.

23.0 Consortium Bidding –Not applicable

24.0 The bidder shall submit documents in support of possession of 'Qualifying Requirements' duly self-certified and stamped by the authorized signatory, indexed and properly linked in the format for PQR. In case BHEL requires any other documents/proofs, these shall be submitted immediately.

25.0 The bidder may have to produce original document for verification if so decided by BHEL.

26.0 The consultant / firm (and any of its affiliates) shall not be eligible to participate in tender(s) for the related works or services for the same project, if they were engaged for the consultancy services.

27.0 Guidelines/rules in respect of Suspension of Business dealings, Vendor evaluation format, Quality, Safety & HSE guidelines, Experience Certificate, etc. may undergo change from time to time and the latest one shall be followed. The abridged version of extant 'Guidelines for suspension of business dealings with suppliers/ contractors' is available on www.bhel.com on "supplier registration page".

28.0 The offers of the bidders who are on the banned/ hold list and also the offer of the bidders, who engage the services of the banned/ hold firms, shall be rejected. The list of **banned/ hold firms** is available on BHEL web site www.bhel.com.

28.1 Integrity commitment, performance of the contract and punitive action thereof:

28.1.1 **Commitment by BHEL:**
BHEL commits to take all measures necessary to prevent corruption in connection with the tender Process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity.

28.1.2 Commitment by Bidder/ Supplier/ Contractor:

- (i) The bidder/ supplier/ contractor commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India.
- (ii) The bidder/ supplier/ contractor will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL.
- (iii) The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL.

If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the prices or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ contractor as per extent guidelines of the company available on www.bhel.com and / or under applicable legal provisions.

29.0 Not applicable.

30.0 The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

31.0 PREFERENCE TO MAKE IN INDIA:

For this procurement, the local content to categorize a supplier as a Class I local supplier/ Class II local Supplier/Non-Local Supplier and purchase preferences to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.

31.1 Compliance to Restrictions under Rule 144 (xi) of GFR 2017

- I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. The Competent Authority for the purpose of this Clause shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. "Bidder from a country which shares a land border with India" for the purpose of this Clause means:-
 - a. An entity incorporated established or registered in such a country; or
 - b. A subsidiary of an entity incorporated established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d. An entity whose *beneficial owner* is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or

- f. A natural person who is a citizen of such a country; or
- g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

IV. The *beneficial owner* for the purpose of (III) above will be as under:

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation

- a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company.
- b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.

2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.
3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person has ownership of or entitlement to more than fifteen percent of the property or capital or profits of the such association or body of individuals.
4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

Note:

- (i) The bidder shall provide undertaking for their compliance to this Clause, in the format provided in Annexure-11.
- (ii) Registration of the bidder with Competent Authority should be valid at the time of submission of bids and at the time of acceptance of the bids.

32.0 Not used

33.0 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 bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a toss/ draw of lots, in the presence of the respective L-1 bidder(s) or their representative(s).

Ranking will be done accordingly. BHEL's decision in such situations shall be final and binding.

34.0 The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.

35.0 SCC Clauses no. 4.2.2.16 (Obligations in respect of Cranes provided by BHEL) & no. 4.2.2.17 (Obligations in respect of Construction Lift/Elevators provided by BHEL) shall not be applicable. GCC Clauses no. 2.12 (ORC), 2.13 (Interest bearing advance) & no. 2.17 (PVC) shall not be applicable.

36.0 Order of Precedence:

In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below:

- a. Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL
- b. Notice Inviting Tender (NIT)
- c. Price Bid
- d. Technical Conditions of Contract (TCC)—Volume-1A
- e. Special Conditions of Contract (SCC) —Volume-1B
- f. General Conditions of Contract (GCC) —Volume-1C
- g. Forms and Procedures —Volume-1D

It may please be noted that guidelines/ circulars/ amendments/ govt. directives issued from time to time shall also be applicable.

for BHARAT HEAVY ELECTRICALS LTD
(SCT)

Enclosure:

- (i) Annexure-1: Pre Qualifying Requirements.
- (ii) Annexure-2: Check List.
- (iii) Annexure-3: Certificate by Chartered Accountant
- (iv) Annexure-4: Reverse Auction Process Compliance Form
- (v) Annexure-5: Authorization of representative who will participate in the online Reverse Auction Process
- (vi) Annexure-6: RA Price Confirmation and Breakup
- (vii) Annexure-7: Integrity Pact
- (viii) Annexure-8: Undertaking as per C4 of Annexure-1 i.e. PQR
- (ix) Annexure-9: Declaration reg. Related Firms & their areas of Activities
- (x) Annexure-10: Declaration reg. minimum local content in line with revised public procurement
- (xi) Annexure-11: Declaration by the Contractor
- (xii) Other Tender documents as per this NIT.

ANNEXURE - 1**PRE QUALIFYING REQUIREMENTS (PQR)**

JOB	"Balance works of mechanical, painting and insulation works of Unit-2 of Boiler and Piping"
TENDER NO.	TENDER NO. BHEL/NR/SCT/GADARWARA/BALANCE BOILER WORK/1222

SL. NO.	NAME AND DESCRIPTION OF PRE-QUALIFICATION CRITERIA	
A	Submission of Integrity Pact duly signed	Not Applicable
B	Assessment of Capacity of Bidder to execute the work as per sl. no. 9 of NIT (if applicable).	Applicable – by BHEL
C	<p>Technical Bidder who wish to participate should have 'Executed' :</p> <p>a). Boiler consists of (Structure, pressure parts ,power cycle piping of same /different unit or Structure ,pressure parts of same unit) in Power plant rating of not less than 190 MW. Or</p> <p>b). ESP in Power plant rating of not less than 190 MW. Or</p> <p>c). Power cycle piping (consists of insulation and painting works) of one unit of rating not less than 190 MW Or</p> <p>d). Insulation works of Boiler or Power cycle piping and painting of Boiler/ ESP/CHP/AHP/Mill bunker/Pipe rack structures in power plant of rating not less than 190 MW or painting of any industrial steel structures of minimum height of 50 mtr. in one or separate order Or</p> <p>e). R&M jobs of Boiler or ESP in Power plant rating of not less than 190 MW</p> <p>Work completion certificate required in support of the executed work.</p>	Applicable
D	<p>FINANCIAL:</p> <p>TURNOVER: Bidders must have achieved an average annual financial turnover (Audited) of Rs. 31.95 lacs or more over last three Financial Years (FY) i.e. (2017-18, 2018-19 & 2019-20). Bidder shall submit the Audited Balance Sheet and Profit & Loss Account in support of this.</p> <p>However due to Covid 19 pandemic, in case bidder have not got their accounts audited for FY 2019-20 as on date of bid submission, he can submit the audited accounts for FY 2016-17, 2017-18 & 2018-19 with a declaration/ confirmation that he has not got his accounts for FY 2019-20 audited as on date of bid submission.</p> <p>In case audited financial statements have not been submitted for all the three years as indicated above, then the applicable audited statements submitted by the bidders against the requisite three years, will be averaged for three years.</p>	Applicable

	If financial statements are not required to be audited statutorily, then instead of audited financial statements, financial statements are required to be certified by Chartered Accountant.	
D-2	<p><u>NET WORTH:</u> Net worth (only in case of companies) of the bidder should be positive.</p> <p>Note: Net worth shall be calculated based on the latest Audited Accounts, as furnished for 'D-1' above.</p> <p>Net worth = Paid up share capital* + Reserves.</p>	Applicable
D-3	<p><u>PROFIT:</u> Bidder must have earned profit in any one of the three financial years as applicable in the last three financial years as furnished for 'D-1' above.</p> <p>Note: PROFIT shall be PBT earned during any one year of last three financial years as in 'D-1' above.</p>	Applicable
D-4	Bidder must not be under Insolvency Resolution Process or Liquidation or Bankruptcy Code Proceedings (IBC) as on date, by NCLT or any adjudicating authority/authorities, which will render him ineligible for participation in this tender, and shall submit undertaking (Annexure-4) to this effect.	Applicable
E	Approval of Customer	Applicable – by BHEL
F	Reverse Auction / Price Bid Opening Note: Reverse Auction/ Price Bid opening of only those bidders shall be done who stand qualified after compliance of criteria A to E	BY BHEL
G	Consortium criteria	Not Applicable

Explanatory Notes for QR 'C':

- a) The bidder should have achieved the above criteria, even if the contract has not been completed or closed.
- b) Boiler means HRSG or WHRB or any other types of Steam Generator.
- c) For the purpose of evaluation of the PQR, one MW shall be considered equivalent to 3.5 TPH where ever rating of HRSG/BOILER is mentioned in MW.

2) Completion date for achievement of the technical criteria specified should be in the last 7 years ending on the 'latest date of Bid Submission' of Tender irrespective of date of the start of work.

3) Relevant documents, meeting above requirements at C & D, shall be submitted by bidders.

4) The subject job is to be awarded after withdrawal from an existing contractor at Gadarwara Site & same contractor shall not be eligible to quote in this tender. Existing Contractor will include:

- i). In case existing contractor/supplier is The Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor.
- ii). In case existing contractor/supplier 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.

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

Credentials submitted by the bidder against "PRE QUALIFYING CRITERIAS" shall be verified for its authenticity. In case, any credential (s) is/are found unauthentic, offer of the bidder is liable to the rejection. BHEL reserves the right to initiate any further action as per extant guidelines for Suspension of Business Dealings.

Format-1**Certificate for relationship between Parent Company / Subsidiary Company and the bidder**

To,

..........

Dear Sir,

Sub: Bid for NIT No dated for " " (name of the tender).

We hereby certify that M/s is Parent Company/ Subsidiary Company of M/s (the bidder) and details of equity holding of the Parent Company in Subsidiary Company as on (not earlier than seven days prior to the Bid Submission Date) are given as below:

Name of Parent Company	Name of Subsidiary Company	Percentage of Equity Holding of Parent Company in Subsidiary Company

(Insert Name and Signature of Statutory Auditor or practicing Company Secretary of the Bidder)

Format 2

Undertaking from the Parent Company/ Subsidiary Company of the bidder
(On the Letter Head of Parent Company/ Subsidiary Company, as applicable)

From,

Name:

Full Address:

Telephone No.:

E-mail address:

Fax/No.:

To,

.....
.....

Dear Sir,

We refer to the NIT No dated for " " (name of the Tender).

"We have carefully read and examined in detail the NIT/Tender Terms and Conditions, including in particular, Clause of the NIT/Tender, regarding submission of an Undertaking, as per the prescribed Format 1 of the NIT/ Tender.

We confirm that M/s..... (the Bidder) has been authorized by us to use our Technical capability for meeting the Technical Criteria as specified in Clause of the PQR of the NIT/Tender referred above.

We agree to submit the Security Deposit equivalent to 1% of the total contract value in addition to Security Deposit to be submitted by Bidder as per Clause of the NIT/Tender for fulfilment of all obligations in terms of provisions of the contract, in the event of (the Bidder) being selected as the Successful Bidder.

We confirm that we along with M/s.....(the bidder), are jointly or severally responsible for successful performance of the contract.

We confirm that our company shall not participate in the above tender as a 'Standalone Bidder' or as a 'Consortium bidder' and also shall not authorize any other bidder to use our Technical capability for the above tender.

All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the referred NIT/Tender.

Signature of Managing Director/Authorized signatory of Parent/ Subsidiary Company

ANNEXURE - 2

CHECK LIST

NOTE:- Tenderers are required to fill in the following details and no column should be left blank

1	Name and Address of the Tenderer			
2	Details about type of the Firm/Company			
3.a	Details of Contact person for this Tender	Name : Mr/Ms Designation: Telephone No: Mobile No: Email ID: Fax No:		
3.b	Details of alternate Contact person for this Tender	Name : Mr/Ms Designation: Telephone No: Mobile No: Email ID: Fax No:		
4	EMD DETAILS	DD No: Date : Bank : Amount: <u>Please tick (√) whichever applicable:-</u> ONE TIME EMD / ONLY FOR THIS TENDER		
5	Validity of Offer	TO BE VALID FOR SIX MONTHS FROM DUE DATE		
			APPLICABILITY (BY BHEL)	ENCLOSED BY BIDDER
6	Whether the format for compliance with PRE QUALIFICATION CRITERIA (ANNEXURE-I) is understood and filled with proper supporting documents referenced in the specified format	Applicable		YES / NO
7	Audited profit and Loss Account for the last three years	Applicable		YES/NO
8	Copy of PAN Card	Applicable		YES/NO
9	Whether all pages of the Tender documents including annexures, appendices etc are read understood and signed	Applicable		YES/NO
10	Integrity Pact	Not Applicable		YES/NO
11	Declaration by Authorized Signatory	Applicable		YES/NO
12	No Deviation Certificate	Applicable		YES/NO
13	Declaration confirming knowledge about Site Conditions	Applicable		YES/NO
14	Declaration for relation in BHEL	Applicable		YES/NO
15	Non-Disclosure Certificate	Applicable		YES/NO
16	Bank Account Details for E-Payment	Applicable		YES/NO
17	Capacity Evaluation of Bidder for current Tender	Applicable		YES/NO

18	Tie Ups/Consortium Agreement are submitted as per format	Not Applicable	YES/NO
19	Power of Attorney for Submission of Tender/Signing Contract Agreement	Applicable	YES/NO
20	Analysis of Unit rates	Applicable	YES/NO

NOTE : STRIKE OFF 'YES' OR 'NO', AS APPLICABLE. TENDER NOT ACCCOMPANIED BY THE PRESCRIBED **ABOVE**
APPLICABLE DOCUMENTS ARE LIABLE TO BE SUMMARILY REJECTED.

DATE :

Sign. of the AUTHORISED SIGNATORY
(With Name, Designation and Company seal)

ANNEXURE – 3

Certificate by Chartered Accountant on letter head
 (applicable upto 31st March'2021 in line with MSME notification no. S.O. 2119 (E), dated 26th June'2020)

This is to Certify that M/S ,
 (hereinafter referred to as 'company') having its registered office at
 is registered under MSMED Act 2006, (Entrepreneur
 Memorandum No (Part-II)/ Udyam Registration Certificate No.
 dtd:
 Category: (Micro/Small/Medium). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No. S.O.1722(E) dated October 5, 2006:
 Rs Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the **MSMED** Act,2006:
 Rs Lacs
3. **For Enterprises** (having EM-II Certificate/ valid NSIC Certificate or Udyog Aadhar Memorandum): Investment in plant and machinery or equipment is Rs..... Lacs and turnover is Rs. Lacs (as notified in MSME notification no. S.O. 2119 (E) dated 26.06.2020)
4. **For Enterprises** (having EM-II Certificate/ valid NSIC Certificate or Udyog Aadhar Memorandum): Investment in plant and machinery or equipment is Rs..... Lacs and turnover is Rs. Lacs (as notified in MSME notification no. S.O. 2119 (E) dated 26.06.2020)

(Strike off whichever is not applicable)

The above investment of Rs Lacs is within permissible limit of
 Rs..... Lacs for Micro / Small/ Medium *(Strike off which is not applicable)*
 Category under MSMED Act 2006.

Or

The enterprise has been graduated upward from its original category (micro/small/medium) *(strike off which is not applicable)*, the enterprise shall maintain its prevailing status till expiry of one year from the close of year of registration, as notified vide S.O. No. 2119 (E) dated 26.06.2020 published in the gazette notification dated 26.06.2020 by Ministry of MSME.

Or

The enterprise has been reverse-graduated from its original category (micro/small/medium) *(strike off which is not applicable)*, the enterprise will continue in its present category till the closure of the financial year and it will be given the benefit of the changed status only with effect from 1st April of the financial year following the year in which such change took place, as notified vide S.O. No. 2119 (E) dated 26.06.2020 published in the gazette notification dated 26.06.2020 by Ministry of MSME.

Date:

(Signature)

Name:

Membership Number:

Seal of the Chartered Accountant

ANNEXURE - 4

Reverse Auction Process Compliance Form

(The bidders are required to print this on their company's letterhead and sign, stamp before RA)

To

- M/s. {Service provider}
- *Postal address}*

Sub: Agreement to the Process related Terms and Conditions

Dear Sir,

This has reference to the Terms & Conditions for the Reverse Auction mentioned in the RFQ document for {Items} against BHEL enquiry/ RFQ no.{.....} dt. {.....}

This letter is to confirm that:

- 1) The undersigned is authorized official/ representative of the company to participate in RA and to sign the related documents.
- 2) We have studied the Reverse Auction guidelines (as available on www.bhel.com), and the Business rules governing the Reverse Auction as mentioned in your letter and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the auction tool and have understood the functionality of the same thoroughly.
- 4) We also confirm that, in case we become L1 bidder, we will FAX/ email the price confirmation & break up of our quoted price as per Annexure - 6 within **two** working days (of BHEL) after completion of RA event, besides sending the same by registered post/ courier both to M/s. BHEL and M/s. {Service provider.}

We, hereby confirm that we will honor the Bids placed by us during the auction process.

With regards

Signature with company seal

Name:

Company / Organization:

Designation within Company / Organization:

Address of Company / Organization:

Sign this document and FAX/ email it to M/s {Service provider} at {.....} prior to start of the Event.

ANNEXURE – 5**Authorization of representative who will participate in the on line Reverse Auction Process:**

1	NAME OF THE BIDDER	
2	NAME & DESIGNATION OF OFFICIAL	
3	POSTAL ADDRESS (COMPLETE)	
4	TELEPHONE NOS. (LAND LINE & MOBILE BOTH)	
5	E-MAIL ADDRESS	
6	NAME OF PLACE/ STATE/ COUNTRY, WHEREFROM S/HE WILL PARTICIPATE IN THE REVERSE AUCTION	

ANNEXURE – 6

RA price confirmation and breakup
(To be submitted by L1 bidder after completion of RA)

To

- M/s. Service provider
- Postal address

CC: M/s BHEL

{Unit-
Address-}Sub: **Final price quoted during Reverse Auction and price breakup**

Dear Sir,

We confirm that we have quoted.

Rs.{____ in value & in words ____} for item(s) covered under tender enquiry No. {...} dt.{...}

Total price of the items covered under above cited enquiries is inclusive of {Packing & forwarding, GST, E.D., C.S.T., freight and insurance charges up to {.....} District, {.....} State and Type Test Charges etc., (exclusive of service tax), other as per NIT}

as our final landed prices as quoted during the Reverse Auction conducted today {date} which will be valid for a period of {____ in nos. & in words ____} days.

The price break-up is as given below.

Total

- Rs. in value & in words

=====

Yours sincerely,

For _____

Name:**Company:****Date:****Seal:**

ANNEXURE – 7

INTEGRITY PACT

NOT USED

ANNEXURE – 8

UNDERTAKING

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir/Madam,

Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS

Ref: NIT/Tender Specification No:

I/We,

declare that, I/We am/are not under insolvency resolution process or liquidation or Bankruptcy Code Proceedings (IBC) as on date, by NCLT or any adjudicating authority/authorities, which will render us ineligible for participation in this tender.

Sign. of the AUTHORISED SIGNATORY
(With Name, Designation and Company seal)

Place:

Date:

ANNEXURE-9**DECLARATION**

Date: _____

To: _____
Address: BHEL, _____

Email: _____

Sub: **Details of related firms and their area of activities**

Dear Sir/ Madam,

Please find below details of firms owned by our family members that are doing business/ registered for same item with BHEL, _____ (NA, if not applicable)

1	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
2	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
...		

Note: I certify that the above information is true and I agree for penal action from BHEL in case any of the above information furnished is found to be false.

Regards,

(_____)

From: _____
 Supplier Code: _____
 Address: _____

Annexure-10

**DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH
REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04TH
JUNE, 2020 AND SUBSEQUENT ORDER(S)**

(To be typed and submitted in the Letter Head of the Entity/Firm providing certificate as applicable)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration reg. minimum local content in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 04th June, 2020 and subsequent order(s).

Ref : 1) NIT/Tender Specification No:,
2) All other pertinent issues till date

We hereby certify that the items/works/services offered by..... (specify the name of the organization here) has a local content of _____ % and this meets the local content requirement for 'Class-I local supplier' / 'Class II local supplier' ** as defined in Public Procurement (Preference to Make in India), Order 2017-Revision dated 04.06.2020 issued by DPIIT and subsequent order(s).

The details of the location(s) at which the local value addition is made are as follows:

1. _____	2. _____
3. _____	4. _____
...	
...	
...	

Thanking you,
Yours faithfully,

**(Signature, Date & Seal of
Authorized Signatory of the Bidder)**

**** - Strike out whichever is not applicable.**

Note:

1. Bidders to note that above format Duly filled & signed by authorized signatory, shall be submitted along with the techno-commercial offer.
2. In case the bidder's quoted value is in excess of Rs. 10 crores, the authorized signatory for this declaration shall necessarily be the statutory auditor or cost auditor of the company (in the case of companies) or a practising cost accountant or practicing chartered accountant (in respect of suppliers other than companies).
3. In the event of false declaration, actions as per the above order and as per BHEL Guidelines shall be initiated against the bidder.

ANNEXURE-11

DECLARATION REGARDING COMPLIANCE TO RESTRICTIONS UNDER RULE 144 (xi) OF GFR 2017

(To be typed and submitted in the Letter Head of the Entity/ Firm providing certificate as applicable)

To,
(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017

Ref : 1) NIT/Tender Specification No:,
2) All other pertinent issues till date

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries. I certify that _____ (**SPECIFY THE NAME OF THE ORGANIZATION HERE**), is not from such a country/ has been registered with the Competent Authority (*attach valid registration by the Competent Authority, i.e., the Registration Committee constituted by the Dept. for Promotion of Industry and Internal Trade (DPIIT)*); and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. (*attach relevant valid registration, if applicable*)

I hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

Thanking you,
Yours faithfully,

(Signature, Date & Seal of
Authorized Signatory of the Bidder)

Note: Bidders to note that in case above certification given by a bidder, whose bid is accepted, is found to be false, then this would be a ground for immediate termination and for taking further action in accordance with law and as per BHEL guidelines.

**Scope of work for Balance Mechanical, Insulation and Painting
Work of Unit no.2 Boiler & Piping Package at 2x800 MW NTPC
Gadarwara**

1.0 PROJECT INFORMATION	
Name of the Owner :	NATIONAL THERMAL POWER CORPORATION LTD.(NTPC)
Address :	Gadarwara Thermal Power Station, near Chichli & Umaraiya villages, Tehsil - Gadarwara District- Narsinghpur, Madhya Pradesh
Nearest Railway station :	Gadarwara Railway Station
Nearest Road :	Gadarwara is located on the MP SH 22
Nearest City :	Jabalpur
Nearest Airport:	Nearest Airport is Dumna Airport, Jabalpur-129 KM And Raja Bhoj Airport, Bhopal -209 KM
Highest Temperature:	45 deg C
Temperature:	1 deg C
Elevation:	354.77 metres

2.0 SCOPE OF WORK	
2.1	The tender specifications cover the Erection , welding of balance structure members, balance Insulation, scrap cutting, removal and balance painting of Boiler and Piping as per approved documents by supplying the manpower, T&Ps, scaffolding material and all consumables except Paint & thinner at Unit no. 2 Boiler & Piping of 2x800 MW NTPC Gadarwara.
2.2	Scope of work under this tender specifications includes as mentioned below:
2.2.1	MECHANICAL
2.2.1.1	Issuing Material from Store, shifting to site, erection and welding of balance material as per balance work list as per Annexure-I.
2.2.1.2	NDT shall be as per approved Quality plan. 10% DPT to be conducted for structural welding.
2.2.2	INSULATION
2.2.2.1	Loading / unloading and transportation of insulation wool mattresses, iron components, aluminum rolls, sealing compound from BHEL store yard to U#2 Boiler and Power cycle piping site(approx. 1.5 KM) , safe storage of insulation materials at site will be under scope of contractor. All equipment and T&P, Hydra, trailers and manpower etc. are to be arranged by the contractor at his own cost.
2.2.2.2	Erection of metallic tube scaffolding structures around piping ranging from elevation 0 meter to 95 meter in SG and TG area, cutting & removal of temporary metallic supports left out after pipe erection (in some area) by gas cutting sets, disposal of metallic scrap to location identified by BHEL within project premises will be under scope of contractor.
2.2.2.3	Fabrication, erection of iron components will be under scope of contractor.
2.2.2.4	Erection of insulation wool, aluminum cladding on piping as per specification /drawings by contractor. Bituminous paint for insulation shall be in the scope of contractor.
2.2.2.5	BHEL Engineer at site shall decide boiler and piping sub-system to be taken up for insulation.
2.2.2.6	Welders should have requisite qualification for work. Before deploying on job same shall be tested in presence of BHEL & NTPC.
2.2.2.7	Agency shall follow Welding Practices conforming to BHEL welding manual for fabrication of iron component.
2.2.2.8	Contractor is required to complete erection of 75 MT (Boiler-45 MT and Piping-30 MT) in total to complete the entire work as per schedule. Work shall be executed at location / height in SG & TG area at NTPC Gadarwara.
2.2.2.9	All necessary T&Ps (like Welding Machine, Gas Cutting Set, jigs & fixtures, All PPE's etc.) to be mobilized by the contractor.
2.2.2.10	Maximum wastage allowed in Insulation wool mattresses and iron/aluminum components is limited to 2%.
2.2.3	SCRAP CUTTING & PAINTING
2.2.3.1	Scrap Cutting by gas cutting, finishing by grinder & removal of scrap. Removal of scrap and lowering of scrap from various Boiler floors to zero meters.
2.2.3.2	Transportation of scrap from Boiler '0' meters to BHEL Stores/place designated by BHEL inside the plant.
2.2.3.3	Contractor shall be responsible for issuing the Paint from BHEL Stores and keeping it in safe custody at site.
2.2.3.4	Contractor shall be the custodian of all the material issued to him.
2.2.3.5	All exposed metal parts of the equipment, structure, auxiliaries, piping, and other items (covered within the scope of this contract) after installations are to be painted. Mostly the equipment / components installed are with one coat each of primer paint and synthetic enamel / heat resistant paint. However, due to aging, the same may have got deteriorated or peeled off. The surfaces are to be thoroughly cleaned of all dirt, rust, scales, grease, oils and other foreign materials by wire brushing, scrapping, any other method as per

	requirement of BHEL. The same will be inspected and approved by the engineer before painting.
2.2.3.6	After applying the primer paints all structure / equipment / items, shall be finish painted with one coat of epoxy finish & one coat of aliphatic polyurethane /as specified by BHEL engineer. In case proper finish is not obtained in two coats, the contractor shall apply additional coat (s) till proper finish is achieved. After completion of painting all bright spots shall be cleaned to the satisfaction of Engineer. Pipelines/equipment's and supports are to be painted with various shades as per schedule.
2.2.3.7	Contractor at no extra cost to BHEL shall supply all, primers, tools and other consumables including scaffolding materials required for finish painting. Paint will be supplied by BHEL as per colour scheme and quality. Thinner will be supplied by BHEL
2.2.3.8	Contractor is fully responsible for safe custody and preservation of paint and thinner issued by BHEL and its proper utilization. If any stage it is found that paint/thinner wasted/spilled due to negligence of the contractor same shall be recovered from the contractor bills. Theft /Pilferage of material shall be recovered from the contractor bills.
2.2.3.9	Contractor may be required to fill up dents / marks by applying putty before final painting of equipment. All materials and arrangements have to be made within quoted price/rates.
2.2.3.10	Contractor shall provide legends with direction of flow on equipment and piping in size specified by Engineer. Letter writing shall be done in Hindi / English or in both languages.
2.2.3.11	Painters have to undergo test on a mock plate of size 1m*1m and only qualified painters will be allowed to work.
2.2.3.12	The contractor shall ensure availability of <ul style="list-style-type: none"> <input type="checkbox"/> Ford Cup-4 to measure consistency of paint, <input type="checkbox"/> Automatic magnetic gauge to measure the dry film thickness and SSPC Visual standards to assess degree of cleanliness of surfaces to be painted.
2.2.3.13	Material issued to agency should be stored at places specified by NTPC as per storage guidelines issued/prepared by BHEL/NTPC. Safety and security of material issued to agency will be in the scope of contractor.
2.2.3.14	All paints should be stored in well-ventilated store. Painters and other personnel deployed should use proper protective equipment to avoid inhalation of fumes.
2.2.3.15	Material and all necessary T&Ps (like Welding machines, Spray Painting Machine, Grinding Machine, Gas Cutting Sets, Scaffolding, Winch machine, Trailer/trolley to remove scrap. All PPE's etc. to be mobilized by the contractor.
2.2.3.16	All consumables gases like Electrodes (specified by BHEL/NTPC), cutting gas, grinding wheels, paint rollers/brushes, primer shall be in the scope of contractor.
2.2.3.17	During commissioning of the Unit, the work may not be allowed around Furnace/Hot Areas due to safety reasons. During this period, workers shall be relocated to work in relatively safe areas. Permit to work shall be taken before working.
2.2.4	Contractor shall be responsible for security of their equipment in the plant or during movement at site.
2.2.5	After completion of work, agency to submit all reports in hard copy.
2.2.6	All Required Manpower and T&P's with materials to be mobilized by contractor on urgent Basis within 07 days from LOI. Workmen from outside Narsingpur district may have to stay quarantine in view of Covid-19 Pandemic for minimum 07 days or as per latest

	guidelines /order of district administration at the time of mobilization. All the expenditure to be borne by the contractor.
2.2.7	Contractor shall follow the relevant guidelines regarding the social distancing, sanitization etc. during the work in view of Covid -19 Pandemic. Necessary interstate movement of men and material, e pass (if applicable) shall be responsibility of the contractor.

Notes:	
1.	List of Balance Works of Mechanical, Insulation & Painting is as per Annexure-I, II ,III respectively.
2.	Bidders should visit site and acquire full knowledge and information about site conditions and work. The bidder must visit site to acquaint themselves with the conditions prevailing at site and in and around the plant premises, together with all statutory, obligatory, mandatory requirements of various authorities before submission of bid.
3	Contractor shall arrange gate passes for their manpower as per NTPC norms (Form –V).
4	Contractor shall submit the test certificates of the equipments/MMDs as prerequisite safety norms of NTPC.
5	Quality: Though, BHEL/NTPC will carry out random checks and inspections, maintaining the quality of work is primarily the responsibility of the contractor.
6	<p>a) All safety precautions must be taken by the contractor and his workers. At work, all workers must wear personal protection equipment and follow the safety instructions. In case it is observed that the contractor fails to improve the conditions even after he has been cautioned by Engineer-in- charge for violating any safety norms, a penalty of Rs. 500/- per occasion is liable to be imposed. PPEs (Safety helmets, Safety shoes, Safety goggles, dust masks, earplugs, Safety belts, Fall Arrestors, hand gloves etc. as required to complete a job safely) must be provided to all the workers and staff by the contractor.</p> <p>Overall responsibility for safe working and safety of workers/equipments lies with the Contractor. BHEL in no way shall be responsible for any loss of life or any injury caused to any of the workers while executing the above work at BHEL premises.</p> <p>b) In case NTPC imposes any penalty for non-adherence of safety related instructions, the same shall be passed on to the Contractor</p>
7	All the Staff/Workers deputed for the Job should have Insurance Cover and strict safety measures of NTPC have to be followed at site.
8	Strict PF (provident fund) compliance shall be submitted by the contractor to get the HR/IR clearance from NTPC before release of payment.
9	On issue of the LOI, contractor shall contact the Construction Manager/Gadarwara and for further instructions. Contractor have to submit the detailed plan/programme for completion of the contractual scope of work as per the time schedule given in the contract and jointly agreed between BHEL and contractor before commencement of work. The above programme shall be supported by monthwise deployment of resources viz T&P ,manpower ,consumables etc.
3.	FACILITIES AND AMENITIES TO BE ARRANGED BY CONTRACTOR
3.1	Local lighting as required to be arranged by contractor as his own cost.
3.2	Contractor shall make necessary arrangement of accommodation for their staff at site.

3.3	Contractor shall make his own arrangement for transport of his own staff from residence to site and back. Similarly, they have to arrange for transportation of material at site.
3.4	Required space near to the work spot will be provided for storing of materials and T&P but erection of temporary covering/cordoning is the responsibility of contractor only.
3.5	All Normal T & P Like Welding sets, grinders, safety belts and PPE, hand tools, motor operated winch pulley, puller and lifting machines, cutting torches, safety appliances, Welding equipment with consumables etc., are to be arranged by party
3.1	Facilities to be provided by BHEL
3.1.1	Construction power will be provided free of cost at single point and further distribution shall be in the scope of the contractor.
3.1.2	Drinking Water supply in plant will be provided free of cost at single point and further distribution shall be in the scope of the contractor.
3.1.3	Air Compressor (1 no.) shall be provided Free of cost. However, installation shall be in the scope of contractor.
3.1.4	Service Air shall be provided at locations as available. Contractor shall be responsible for further distribution through hose pipes etc.

4.0	T&P AND MMD DEPLOYED BY CONTRACTOR		
S. No.	Equipment	Qty.	UOM
A)	Scrap Cutting & Painting		
1	Spray Painting Machines Welding sets with accessories	APR	No.
2	Grinding Machines (e.g, AG5, AG4, etc.)	APR	No.
3	ELECTRIC WINCH	APR	No.
4	Gas Cutting Sets	Minimum 04	No.
5	Scaffolding material	APR	No.
6	Trailer/Trolley	APR	No.
7	Hoses	APR	No.
B.	INSULATION		
1	Safety PPEs	APR	Sets
2	Drill machine	APR	No.
3	Sheet cutter 12"	APR	No.
4	Groove machine	APR	No.
5	Measurement tape	APR	No.
6	Spanner 21-23	APR	No.
7	Pulley 1 Ton	APR	No.
8	PP rope	APR	Meter
9	Screw driver 8"	APR	No.
10	Screw driver 12"	APR	No.
11	Scaffolding pipes 3 mtr length	3000	No.
12	Scaffolding pipes 6 mtr length	3000	No.
13	Clamps (fixed & swivel both)	9000	No.
14	Strapping tool	APR	No.
15	Crimping tool	APR	No.
16	Electric winch 1T/2T/3T with metal sling rope 300 mtr length	APR	No.
17	Hose 1" for air cleaning	APR	Meter
18	Trailer/Trolley for shifting of insulation material & scrap	1	No.
19	Hydra crane	APR	APR
20	Tarpaulin sheets for covering at work jobs	APR	APR
21	Glue gun for applying sealing compound	APR	No.
22	Gas cutting set for iron scrap removal	APR	No.
23	Welding machines for iron components' fabrication	APR	No.
24	Chain pulley blocks 1T/2T/3T	APR	No.

C.	MECHANICAL WORK		
1	Trailer/ Trolley with operator & fuel	APR	No.
2	Hydra with opr. & fuel for Loading/Unloading	APR	No.
3	5 MT capacity 'D' shackle	APR	No.
4	05MT/03MT Winch machine	APR	No.
5	03 MT Chain Pulley Block	2	No.
6	05 MT Chain Pulley Block	3	No.
7	5 MT Wire pulley	APR	No.
8	19 mm Nylon Rope	APR	RM
9	Welding Machine with Cable, holder etc.	8	No.
10	Cutting Set with hoses	APR	No.
11	Safety PPEs (Belts, Shoes, Helmets)	APR	No.
12	Life Line (8 mm Steel Rope)	120	RM
13	Safety Net	5	No.
14	Electrode	APR	No.
15	Paint (Cold Galvanised)	APR	Ltr.

APR : As per requirement

Notes:

1. The above list is only indicative and these T&Ps may not be required for entire contract period but contractor shall ensure the availability of the T&Ps as per work requirement and T&P Deployment schedule. T&P Deployment schedule shall be finalized at site in consultation with BHEL Engineer based on the work fronts/work requirement. BHEL decision shall be final and binding regarding the T&P deployment schedule. Contractor shall mobilize / maintain the T&P's as per the deployment schedule notified time to time by BHEL Engineer.
APR- Contractor has to deploy T&P, MMD, IMTE as per requirement of site and as decided by BHEL Engineer.
2. If any one of T&P/Manpower mentioned above is not needed for proper execution of scope of work, provided contractor has not utilized BHEL free issued T&P for completing such work, no recovery from contractor shall be applicable.
3. Any additional item required in addition to above mentioned T&P for proper execution of scope of work, contractor has to arrange such T&P within quoted rate on the instruction of BHEL in writing in a reasonable period within two weeks from the written instruction from BHEL.
4. In case deployment of T&P w.r.t requirement, is delayed or deployed for a shorter period or abnormal down time of T&P or in case T&P w.r.t requirement was not deployed by the contractor as per instruction of BHEL and BHEL had to deploy either its own T&P or from outside, the recovery shall be done from the contractor as under:
 - a. In case BHEL has to deploy its own T&P, hire charges of T&P applicable for BHEL Contractor as per extant guidelines for "Hire Charges on issue of Capital Tools & Plants" shall be recovered.
 - b. In case BHEL has to deploy the T&P from outside, actual hiring cost plus 5% overheads shall be recovered

5.	All the tools and tackles/measuring instruments shall be duly tested/calibrated and valid certificate to that effect should be submitted to BHEL site in-charge before the start of work.
6.0	TIME SCHEDULE
6.1	Contractor is required to commence the work within 07 days from the date of issue of LOI unless BHEL decides to fix any other later date. However, the actual date of start of work, to fix up the zero date of the contract, will be certified by BHEL Engineer after adequate mobilization of manpower and T&Ps by the contractor.
6.2	Entire work for the package as detailed in the tender specifications shall be completed within 2 months from zero date as per programme / milestones indicated by BHEL Engineer. Permit to Work shall be obtained prior to commencement of work at site. If Unit is taken under operation then work may be suspended and permit to be cancelled and returned. Contractor has to start work when permit is again issued.
6.3	If the completion of work as detailed in the scope of work gets delayed beyond the contract/ completion period, the contractor shall request for an extension of the contract and BHEL at its discretion may extend the contract as per the GCC clause 2.11
7.0	TERMS OF PAYMENT
7.1	The 'Engineer' will certify regarding the actual work executed in the measurement books and bills, which shall be accepted by the contractor in measurement book.
7.2	Contractor shall submit bills for the work completed under the specification, once in a month detailing work done during the month. The format for billing shall be approved by BHEL before raising invoices and payment shall be released within 30 days of receipt of Bill complete in all respect.
7.3	Subject to any deduction which BHEL may be authorized to make under the contract, the contractor on the certificate of the Engineer at site be entitled for payment as explained hereunder
7.4	Progressive payment on pro-rata basis For Item no. 1 (Balance Mechanical works)
7.4.1	45% of Unit rate shall be payable on issuing of material and erection of material
7.4.2	20% of Unit rate shall be payable on completion of alignment
7.4.3	15% of Unit rate shall be payable on completion of welding
7.4.4	5% of Unit rate shall be payable on completion of NDT
7.4.5	15% of Unit Rate shall be payable on completion of all pending points, contractual obligation and demobilisation of site office
7.5	Progressive payment on pro-rata basis For Item no. 2.1(Scrap cutting ,scrap removal ,area cleaning)
7.5.1	85% of Unit rate shall be payable on completion of scrap cutting, removal of scrap, area cleaning.
7.5.2	15% of Unit Rate shall be payable on completion of all pending points, contractual obligation and demobilisation of site office
7.6	Progressive payment on pro-rata basis For Item no. 2.2 (Painting)
7.6.1	85% of Unit rate shall be payable on completion of painting works

7.6.2	15% of Unit Rate shall be payable on completion of all pending points, contractual obligation and demobilization of site office
Progressive payment on pro-rata basis For Item no. 3 (Insulation & Sheeting)	
7.7	Item no. 3.1 of Rate Schedule as monthly payment on per ton basis against RA Bills as follows:
7.7.1	55% of Unit rate on Temporary supports removal and insulation placement in position on pro rata basis
7.7.2	35% of Unit rate on alignment/welding/bolting/fixing of insulation as required on pro rata basis
7.7.3	3% of Unit rate on Weekly house keeping and area cleaning as required on pro rata basis
7.7.4	1% of Unit rate on final area cleaning and return of scrap
7.7.5	3% of Unit rate on punch list point/ pending points liquidation
7.7.6	1% of Unit rate on material reconciliation
7.7.7	2% of Unit rate on completion of contractual obligation
7.8	item no. 3.2.1 ,3.2.2 and 3.2.3 of Rate schedule shall be payable i.e availability of scaffolding pipes at site for 60 days as per BHEL instruction
7.8.1	On availability of 3 mtr length scaffolding pipe on monthly pro rata basis i.e item rate s.no. 3.2.1x No. of days x Available Qty.
7.8.2	On availability of 6 mtr length scaffolding pipe on monthly pro rata basis i.e item Rate s.no 3.2.2x No. of days x Available Qty.
7.8.3	On availability of 9000 no. clamps for scaffolding on monthly pro rata basis i.e item Rate s.no 3.2.3x No. of days x Available Qty.
	<p>Notes:</p> <ol style="list-style-type: none"> 1. Payment of mobilization of scaffolding pipes will be done on pro-rata basis 2. Payment for mobilization of scaffolding/clamp will be reduced on pro-rata basis if mobilization is less than quantity mentioned in Clause 4(T&P) for insulation. No additional payment shall be made for excess mobilization of scaffolding. 3. No additional payment shall be made for scaffolding pipes beyond the completion period of 60 days from actual period. <p>Due to increase in tonnage of S.No. 3. of rate schedule, there will be no variation in the item no. 3.2 of rate schedule. Allocated value remain fixed due to increase in tonnage.</p>
7.9	Progressive payment on pro-rata basis For Item no. 4(Manpower)
7.9.1	100% payment of item no. 4 shall be released on deployment of group as certified by BHEL Engineer. Necessary recovery shall be made from RA bills if the group not deployed consists of required member as per specifications as per applicable rate at Gadarwara plus 25.08% statutory compliance and 5% over heads.
Note	5% of RAB amount will be retained as retention money which will be released after completion of performance guarantee period as defined in Clause 10.1

8.0	TAXES, DUTIES, LEVIES
8.1	<p>Price quoted should be inclusive of all applicable Taxes/charges but Excluding GST. The Contractor shall pay all other taxes, fees, royalty, commission etc. which may be levied on the contractor in executing the contract. In case BHEL is forced to pay any of such taxes, it shall be recovered from Contractor's bills or otherwise as deemed fit.</p> <p>GST Shall be payable extra as per following :</p>
8.2.	Contractor/Vendor has to issue invoice indicating HSN/SAC code, Description, Value, Rate, applicable tax and other particulars in compliance with the provisions of relevant GST Act and Rules made thereunder. With the implementation of e way bill provisions, contractor shall comply with same as applicable.
8.3	<p>Vendor has to submit GST compliant invoice within seven days from the due date of invoice as per GST Law. In case of delay, BHEL reserves the right of denial of GST payment if there occurs any hardship to BHEL in claiming the input thereof. In case of goods, vendor has to provide scan copy of invoice & GR/LR/RR to BHEL before movement of goods starts. Special care should be taken in case of month end transactions.</p>
8.4.	<p>GST amount claimed in the invoice shall be released on fulfilment of all the following conditions by the Contractor : -</p> <p>Supply of goods and/or services have been received by BHEL.</p> <p>Original Tax Invoice has been submitted to BHEL.</p> <p>Respective invoice has appeared in BHEL's GSTR - 2A for the month corresponding to the month of invoice. Alternatively, BG of appropriate value may be furnished which shall be valid at least one month beyond the due date of confirmation of relevant payment of GST on GSTN portal or sufficient security is available to adjust the financial impact in case of any default by the contractor.</p>
8.5	TDS under GST law as applicable shall be deducted.
8.6	Contractor shall be solely responsible for discharging his GST liability according to the provisions of GST Law and BHEL will not entertain any claim of GST/interest/penalty or any other liability on account of failure of contractor in complying the provisions of GST Law or discharging the GST liability in a manner laid down thereunder
8.7	In case declaration of any invoice is delayed by the vendor in his GST return or any invoice is subsequently amended/altered/deleted on GSTN portal which results in any adverse financial implication on BHEL, the financial impact thereof including interest/penalty shall be recovered from the Contactor's due payment.
8.8	Any denial of input credit to BHEL or arising of any tax liability on BHEL due to non-compliance of GST Law by the Contractor in any manner, will be recovered along with liability on account of interest and penalty (if any) from the payments due to the Contactor.
8.9	The admissibility of GST, taxes and duties referred in this chapter or elsewhere in the contract is limited to direct transactions between BHEL & its Contractor. BHEL is not responsible for any liability that may arise due to any transaction beyond the direct transaction between BHEL & its Contractor.
8.10	<p>Variation in Taxes & Duties:</p> <p>Any upward variation in GST shall be considered for reimbursement provided supply of goods and services are made within schedule date stipulated in the contract or approved extended schedule for the reason solely attributable to BHEL. However downward variation shall be subject to adjustment as per actual GST applicability.</p>

	<p>In case the Government imposes any new levy/tax on the output service/goods after price bid opening, the same shall be reimbursed by BHEL at actual. The reimbursement under this clause is restricted to the direct transaction between BHEL and its contractor only and within the contractual delivery period only.</p> <p>In case any new tax/levy/duty etc. becomes applicable after the date of Bidder's offer but before opening of the price Bid, the Bidder/Contractor must convey its impact on his price duly substantiated by documentary evidence in support of the same before opening of price bid. Claim for any such impact after opening the price bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.</p>
8.11	<p>Modalities of Tax Incidence on BHEL:</p> <p>Where GST law permits more than one option or methodology for discharging liability of tax/ levy/ duty; the contractor shall approach BHEL before choosing any option to discharge his tax liability. BHEL shall have the right to direct the contractor to adopt the appropriate option considering the amount of tax liability on BHEL as well as procedural simplicity with regard to assessment of the liability.</p> <p>The option chosen by BHEL shall be binding on the contractor for discharging the obligation of BHEL in respect of the tax liability to the contractor.</p>
8.2	BUILDING & OTHER CONSTRUCTION WORKERS (REGULATION OF EMPLOYMENT AND CONDITIONS OF SERVICE) ACT, 1996 (BOCW Act) AND RULES OF 1998 READ WITH BUILDING & OTHER CONSTRUCTION WORKERS CESS Act, 1996 & CESS RULES, 1998.
	<p>In case any portion of work involves execution through building or construction workers, then compliance to the above titled Acts shall be ensured by the contractor and contractor shall obtain license and deposit the cess under the Act. In the circumstances it may be ensured as under:-</p>
8.2.1	<p>It shall be the sole responsibility of the contractor in the capacity of employer to forthwith (within a period of 15 days from the award of work) apply for a licence to the Competent Authority under the BOCW Act and obtain proper certificate thereof by specifying the scope of its work. It shall also be responsibility of the contractor to furnish a copy of such certificate of licence / permission to BHEL within a period of one month from the date of award of contract.</p>
8.2.2	<p>It shall be the sole responsibility of the contractor as employer to ensure compliance of all the statutory obligations under these act and rules including that of payment / deposit of 1% cess on gross payment made for value of work involving building or construction workers engaged by the contractor within a period of one month from the receipt of payment.</p>
8.2.3	<p>It shall be the responsibility of the sub-contractor to furnish the receipts /challans towards deposit of the cess together with the number, name and other details of beneficiaries (building workers) engaged by the sub-contractor during the preceding month.</p>
8.2.4	<p>It shall be the absolute responsibility of the sub-contractor to make payment of all statutory payments & compensations to its workers including that is provided under the Workmen's Compensation Act, 1923.</p>
8.2.5	<p>The contractor shall, however ensure before deposit of any BOCW Cess, that customer is not depositing the same in order to avoid excess deposit of cess.</p>
8.2.6	<p>The contractor shall bear cost of BOCW cess either by way of deposit or through recovery by BHEL in case the same is deposited by the customer.</p>

8.2.7	In case of failure in above mentioned compliances, BOCW Cess @ 1% as well as applicable penalty as specified in BOCW Act/Rules shall be deducted from the contractor.
9.0	Other Terms & Conditions
9.1	Work envisaged in this tender is presently being executed by another agency at Gadarwara site. The party executing the work presently at Gadarwara site shall not be eligible to quote for this tender.
9.2	PVC and ORC will not be applicable for this work.
10	Performance Guarantee
10.1	Contractor shall guarantee the work executed for a period of 90 days after completion of work as certified by BHEL Engineer against any defect / abnormality arising out of poor workmanship. During this period of defect liability, the contractor shall rectify, free of cost, any defect arising out of his poor workmanship. 5% of RAB amount will be retained as retention money which will be released after completion of performance guarantee period.

ANNEXURE-I**BOQ: Balance Mechanical Works**

BOILER		
S. No.	Description of work	Approx Weight in MT
1	Erection of 14 nos. Beams & 16 nos. Bracings at elevation 51M.	4.8
2	Erection of Chequered Plate on Platform (El 20 mtrs) Fan Area	2
3	2/7 balance from El 107 mtrs to 0 mtrs Boiler Front Side	5
4	NP row bracings (35 nos) & Beam Members (20 nos.) at elevation 25M.	2.5
5	Mill Hoist Structure(09 nos. 600 Cut Beam & LHS bracing 04 nos balance)	0.75
6	Burner Weather Protection Beam Erection (ISMB 200) from EL 25 mtrs to 51 mtrs	0.25
7	Burner Weather Protection Sheeting 1) RHS from EL 25 mtrs to 51 mtrs balance (approx250sqmtrs) 2) Patch Work at Boiler Monitor Roof (70 sq mtr) 3) Patch Work at Boiler Passenger & Goods Lift (30 sq mtr)	1
8	Scrap Chute Balance work and Welding (3 Elevations pending)	0.075
9	FD fan hoist maintenance floor LHS i) 10.5M Grill & Handrail balance, Stair from 8M to 10.5M balance	0.75
	FD fan hoist maintenance floor RHS i)Stair from 8M to 10.5M balance	0.25
10	Benches for Drives & Manhole Doors (10 Nos.)	2
11	Balance Welding in PG 39 Structure & Floor Finishing	2
12	36-313 Manhole door benches 0mtr (3 nos.) i)Ladder & Handrail Balance	-
13	Balance Work of Hoist & its Commissioning, Load Testing (15 nos.)	-
14	Approach platforms for actuators in ducting system	-
15	Ducting system ESP O/L to Chimney bottom side outside stich welding & Duct support member welding.	-
16	Cold setting of 03 nos CLH support	-
17	Floor Finishing Work 08/31 floors balance (Grill repair & fixing, Handrail welding, grinding& painting & Toe guard fixing. Member balance weldings etc)	-

	Approx Weight	22 MT
Piping area		
Sr.No.	DESCRIPTION	Approx Weight in MT
1	Balance work of Drain line extension 0 mtr, 32 mtr & 40 mtr in TG area & Boiler Area	
2	Balance 06 Nos support of Deaerator Safety valve escape piping with erection of all required structure.	
3	Completion of Balance CD bay structure work	08 MT approx.
4	LP Piping flow meter erection	
5	Balance LP Piping Support	
6	Completion of misc. boiler drain piping.	
7	Service air connection in Boiler Area	
8	Cold/Hot Value Setting and Checking of Supports line wise to generate protocol.	
9	Hanger setting of 108 nos. Hangers	

Notes:

1. Annexure-I gives the brief description of the quantum of work involved for quoting their prices.
2. Tonnage given in the above table is tentative only and liable for variation. Contractor is required to execute tonnage on actual basis (irrespective of any variation plus or minus) which may be necessary to complete their work in all respects as detailed in tender specifications. Payments shall be released on finally executed quantities as per site requirement. Quoted rate shall remain firm throughout the contract period.

ANNEXURE-II**Balance Insulation Works**

Sl. No.	Location	Description	Lagging	Sheeting
Ducting System				
1	BOF to ESP inlet	A1 - Gate to ESP Funnel 03 sides sheeting balance.	Complete	Balance 03 sides
		A2 - Gate to ESP Funnel 03 sides sheeting balance.	Complete	Balance 03 sides
		B1 - Expansion Joints Lagging and sheeting balance.	Balance	Balance
		B2 - Expansion Joints Lagging and sheeting balance.	Balance	Balance
		C1 - Expansion Joints Lagging and sheeting balance.	Balance	Balance
		C2 - Gate to ESP Funnel 04 sides sheeting balance.	Complete	Balance
		D1 - Gate to ESP Funnel 04 sides sheeting balance.	Complete	Balance
		E1 - Gate to ESP Funnel Bottom side sheeting balance.	Complete	Balance 01 sides
		E2 - Gate to ESP Funnel Bottom side sheeting balance.	Complete	Balance 01 sides
		F1 - Gate to ESP Funnel Bottom side sheeting balance.	Complete	Balance 01 sides
2	ESP Outlet to Chimney Inlet	Total 06 Passes ESP O/L connection to Header bottom side lagging and sheeting balance.	Balance	Balance
		Header bottom side lagging and sheeting balance.	Balance	Balance
		ID 2A I/L duct vertical duct chimney side lagging & sheeting balance.	Balance	Balance
		ID O/L to chimney I/L duct bottom side lagging and sheeting balance.	Balance	Balance
		Chimney inside connection duct all side lagging & Sheetin balance.	Balance	Balance
3	BOF area	BOF Hopper PA 02 nos sheeting balance.	Complete	Balance
		BOF O/L LHS Bottom insulation balance.	Balance	Balance
		BOF O/L LHS Hopper sheeting balance.	Complete	Balance
		BOF Duct LHS sheeting Balance @20 M elevation.	Complete	Balance
		BOF Duct LHS PA -2B Hopper & connecting duct Insulation & sheeting balance.	Balance	Balance
4	RHS Cold, Hot & Tempering Air ducts	RHS Cold Air Duct Bottom insulation & sheeting balance.	Balance	Balance
		RHS Vertical Cold PA duct @ 28M to 25M sheeting balance.	Complete	Balance
		Hot to Tempering duct bottom insulation + sheeting balance.	Balance	Balance

		Patching at Seal Air Tapping point @ Feeder floor.	Balance	Balance
		RHS Hot Tempering Duct sheeting balance 28M to 25M .	Complete	Balance
5	LHS Cold, Hot & Tempering Air ducts	Cold duct to Tempering air Bottom insulation balance & sheeting 03 side balance.	Balance	Balance 03 sides
		Hot connection to Tempering ducts bottom Insulation & sheeting balance.	Balance	Balance
		Hot PA Bus Expansion Joints insulation & sheeting balance.	Balance	Balance
		Mill J Tempering Air duct @35M to 28M Sheetng balance.	Complete	Balance
6	Manhole doors & other openings	Manhole doors & other system required opening insulation and framing & sheeting balance.	Balance	Balance
7	General Points	Removing of scaffolds, patching of holes, Bituminous paint application, Damaged sheeting patchwork near to drives & other connection.		
PP System				
1	Furnace	i) 48 mtrs to 30 mtrs Sheetng Balance at Burner Corner-1,2, 3,4 ii) Furnace Wall Sheetng dislodged at 3 elevations. To be repaired	Complete	Balance
2	Burner	Sheetng Balance at Corner-2&3	Complete	Balance
3	SOFA	Sheetng Balance at Corner-1,2,3 & 4	Complete	Balance
4	SH,RH & S-01 Spray Piping	i) S-01 : Insulation & Sheetng from 40 mtrs to 85 mtrs & Station to Nozzle@97 mtrs balance ii) SH Spray: Insulation & Sheetng from Pent House to 85 mtrs balance iii) RH Spray : Insulation & Sheetng from Pent House to 85 mtrs balance	Balance	Balance
5	Soot Blower Piping	Sheetng balance	Complete	Balance
6	Trim Piping (Drains/Vents)	Insulation and sheetng balance	Balance	Balance
7	Exhaust Piping (at Human Approach)	Insulation and sheetng balance	Balance	Balance
8	Seal Air Piping	Insulation and sheetng balance (10 mtrs Suction & Discharge side)	Balance	Balance
9	Pent House	i) Insulation at Floating Floor Section @ Corner-1 &4 ii) Insulation Box Fabrication & Installation @ Pent House Doors iii) Refractory Repair at Manhole Doors	-	-
EQUIPMENTS				
1	PA-2A	Insulation and sheetng balance	Balance	Balance
2	FD-2A	Insulation and sheetng balance	Balance	Balance
3	FD-2B	Insulation and sheetng balance	Balance	Balance
4	ID-2A	Insulation and sheetng balance	Balance	Balance

5	ID-2B	Insulation and sheeting balance	Balance	Balance
6	Seal Air Fan-2A	Insulation and sheeting balance	Balance	Balance
7	Seal Air Fan-2B	Insulation and sheeting balance	Balance	Balance
8	Mills (9 nos.)	Insulation and sheeting balance	Balance	Balance
APPROX. WEIGHT				45 MT

Piping Area

SR.NO	LINE NO	DESCRIPTION	Approx Weight in MT
1	80-433	Spay water piping to Reheater	30 MT
2	80-351	Aux. Steam to Mill Inerting	
3	80-370	Flash tank to Atmosphere	
4	80-303	MS piping Aux. PRDS	
5	80-319	Permanent Steam blowing piping	
6	80-322	CRH Piping to Deaerator Piping	
7	80-323	Extraction steam from CRH to BFD Turbine A & B	
8	80-324	CRH Piping to Aux. PRDS	
9	80-310	HRH Piping	
10	80-420	BFD Suction Line	
11	80-430	Spray Water Piping to HPBP Valve	
12	80-403	CEP Discharge to Deaerator from LPH-4	
13	80-345	Aux. Steam to Deaerator	
14	80-373	High Temp. Aux. Steam header	
15	80-342	Aux. Steam to Scaph	
16	80-375	LPH safety Valve Discharge to IP Flash Piping	
17	80-385	Safety Valve scaph Pipe from Extraction line to BFD	
18	80-385	Emergency Exhaust to Atmosphere	
19	80-447	Drip line	
20	80-451,452 & 453	HP & LP Drain Line (SG & TG)	

Notes:

1. Scope of insulation tonnage given in the above table is tentative only and liable for variation. Contractor is required to execute insulation work on actual basis (irrespective of any variation plus or minus) which may be necessary to complete their work in all respects as detailed in tender specifications. Payments shall be released on finally executed quantities as per site requirement. Quoted rate shall remain firm throughout the contract period.
2. HRH & LPBP piping line have some insulation clamps of alloy steel.

Annexure-III

S.No.	Painting works	Quantity
1.	Removal of scrap and Area Cleaning for painting application	700 MT
2.	Completion of Painting Work(02 coats) for Structure & Piping works	3000 MT

Note:

1. Quantities mentioned above is tentative only and liable for variation. Contractor is required to execute the actual quantities (irrespective of any variation plus or minus) which may be necessary to complete their work in all respects as detailed in tender specifications. Payments shall be released on finally executed quantities as per site requirement. Quoted rate shall remain firm throughout the contract period.

Annexure-A

Rate Schedule

S. No.	DESCRIPTION OF WORK	Total Amount (in Figures and Words)
1	Total Rate in Lumpsum for Balance mechanical works, balance painting , insulation and sheeting works of Boiler and Piping of Unit 2 at 2x800 MW NTPC Gadarwara by supplying scaffolding ,T&P, manpower as per tender specifications	"A"

Notes:

1. Item rate for the entire scope of work shall be arrived as per Calculation defined in Annexure-B.
2. The derived item rate will remain firm throughout the contract period
3. Rate quoted shall be the exclusive of the GST.

Annexure-B

S.No.	DESCRIPTION OF WORK	Qty	Rate is Rs./ MT/Day in Figures and Words)
1	Erection, alignment, welding & NDT of Balance mechanical works as per Annexure-1 and tender specifications	30 MT	<u>A*0.26</u> 30
2.	Painting works		X=0.18*A
2.1	Removal of scrap and Area Cleaning for painting application	700 MT	<u>0.4*X</u> 700
2.2	Completion of Painting Work(02 coats) for Structure & Piping works	3000 MT	<u>0.6*X</u> 3000
3.	Insulation and sheeting works	75 MT	Y=0.52*A
3.1	Transportation, application of Insulation wool and cladding on Boiler and piping system as per Annexure-II and tender specifications		<u>Y * 0.8</u> 75
3.2	Payment for availability of scaffolding at site for 60 days as below:		
3.2.1	3 mtr length scaffolding pipe each with 2 nos. of clamps	3000 No.	<u>(Y*0.06)</u> (3000*60)
3.2.2	6 mtr length scaffolding pipe each with 2 nos. of clamps	3000 No.	<u>(X*0.12)</u> (3000*60)
3.2.3	Clamps for scaffolding	9000 No.	<u>(X*0.02)</u> (9000*60)
4.	Additional Group days for Miscellaneous Works not covered in Tonnage like Welding/Finishing/Commissioning etc. Group (with consumables) shall consist of : a) Fitter: 1 no. b) Rigger: 2 no. c) Helper: 2 no. d) Welder:1 no.	45 day	<u>0.04*A</u> 45

Notes:

1. Payment shall be made as per actual executed quantity
2. Rate quoted shall be the exclusive of the GST
