

**Corrigendum - 1 dated 06/04/2026 to CPC Tender No. BHEL/CPC/AKT/C_MM/27/001
(Old Tender Ref. No. BHEL/CPC/AKT/C_MM/26/107)**

Work Description - MATERIAL HANDLING AND MANAGEMENT WORKS- Receipt, Unloading, Verifying, Shifting, Stacking, Preservation, Handling and handing over of components of Boiler with auxiliaries including mills & feeders etc.; ESP with auxiliaries, Steam Turbine & auxiliaries; Turbo-Generator & auxiliaries; pumps with aux., Rotating machines, tanks & vessels, complete electrical, controls and instrumentation equipments, panels, cables / cable trays, and other related items including items of Boiler, TG & other Miscellaneous packages; HP&LP piping; refractory & insulation with cladding materials; BHEL T&P; components & equipment of various other systems, pre-fabricated structures, structural & reinforcement steel, cement, supply installation and maintenance of CCTV camera and providing services for Materials Handling and Management at Amarkantak TPS, Unit-6 (1x660 MW), Chachai, M.P, India.

A) Tender Reference No mentioned in NIT, TCC, Price Bid and all other Tender Documents is revised as below:

S. N.	Document	Existing in Tender	Revised As	Remarks
1	NIT	BHEL/CPC/AKT/C_MM/26/107	BHEL/CPC/AKT/C_MM/27/001	
2	TCC	BHEL/CPC/AKT/C_MM/26/107	BHEL/CPC/AKT/C_MM/27/001	
3	Major Highlights of Tender	BHEL/CPC/AKT/C_MM/26/107	BHEL/CPC/AKT/C_MM/27/001	
4	Price Bid	BHEL/CPC/AKT/C_MM/26/107	BHEL/CPC/AKT/C_MM/27/001	As Price Bid Format cannot be revised, the Tender No. to be considered as BHEL/CPC/AKT/C_MM/27/001

Enclosure:

- a) NIT with revised Tender Reference No.
- b) TCC with revised Tender Reference No.
- c) Major Highlights of Tender with revised Tender Reference No.

Note:

- 1) All other terms and conditions against this NIT shall remain unchanged.
- 2) This corrigendum is to be submitted duly signed and stamped along with the Techno-commercial bid (Part- I).

**for BHARAT HEAVY ELECTRICALS LTD
Manager/ SCT- CPC**



NOTICE INVITING TENDER

TENDER NO.: BHEL/CPC/AKT/C_MM/27/001

WORK DESCRIPTION:

MATERIAL HANDLING AND MANAGEMENT WORKS- Receipt, Unloading, Verifying, Shifting, Stacking, Preservation, Handling and handing over of components of Boiler with auxiliaries including mills & feeders etc.; ESP with auxiliaries, Steam Turbine & auxiliaries; Turbo-Generator & auxiliaries; pumps with aux., Rotating machines, tanks & vessels, complete electrical, controls and instrumentation equipments, panels, cables / cable trays, and other related items including items of Boiler, TG & other Miscellaneous packages; HP&LP piping; refractory & insulation with cladding materials; BHEL T&P; components & equipment of various other systems, pre-fabricated structures, structural & reinforcement steel, cement, supply installation and maintenance of CCTV camera and providing services for Materials Handling and Management at Amarkantak TPS, Unit-6 (1x660 MW), Chachai, M.P, India.

Volume - I

=====

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	BHEL/CPC/AKT/C_MM/27/001	
ii	BROAD SCOPE OF JOB	Material Handling And Management Works - Receipt, Unloading, Verifying, Shifting, Stacking, Preservation, Handling and handing over of components of Boiler with auxiliaries including mills & feeders etc.; ESP with auxiliaries, Steam Turbine & auxiliaries; Turbo-Generator & auxiliaries; pumps with aux., Rotating machines, tanks & vessels, complete electrical, controls and instrumentation equipments, panels, cables / cable trays, and other related items including items of Boiler, TG & other Miscellaneous packages; HP&LP piping; refractory & insulation with cladding materials; BHEL T&P; components & equipment of various other systems, pre-fabricated structures, structural & reinforcement steel, cement, supply installation and maintenance of CCTV camera and providing services for Materials Handling and Management at Amarkantak TPS, Unit-6 (1x660 MW), Chachai, M.P, India.	
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>	<i>Applicable</i>
b	Volume-IB	<i>Special Conditions of Contract (SCC)</i>	<i>Not Applicable</i>
c	Volume-IC	<i>General Conditions of Contract (GCC)</i>	<i>Applicable</i>
d	Volume-ID	<i>Forms and Procedures</i>	<i>Applicable</i>
e	Volume-II	<i>Price Schedule (Absolute value).</i>	<i>Applicable</i>

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली - 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

iv	ISSUE OF TENDER DOCUMENTS	<p>Tender documents will be available for downloading from BHEL eProcurement portal (https://eprocurebhel.co.in) till due date of submission:</p> <p>Start: 01/04/2026, Time: 18:00 Hrs Closes: 13/04/2026, Time: 12:30 Hrs.</p> <p>Brief information of the tenders shall also be available at BHEL website (www.bhel.com)</p>	Applicable
v	DUE DATE & TIME OF OFFER SUBMISSION	<p>Date: 13/04/2026, Time: 12:30 hrs Place : on https://eprocurebhel.co.in</p>	Applicable
vi	OPENING OF TENDER	<p>Date: 13/04/2026, Time: 17:00 hrs</p> <p><i>Notes:</i> (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. (2) Bidder may witness the opening of tender through e-Procurement portal only.</p>	Applicable
vii	EMD AMOUNT	Rs. 5,00,000/- (Rupees Five Lakh Only)	Applicable
viii	COST OF TENDER	Free	
ix	LAST DATE FOR SEEKING CLARIFICATION	<p>Date: 08/04/2026</p> <p>Along with soft version also, addressing to undersigned (Dealing Officer) & to others as per contact address given below:</p> <p>1) Name: Amit Shukla Designation: Manager Deptt: Sub-Contracting Deptt, CPC Address: BHEL Sadan, 8th Floor, Plot No. 25, Sec 16A, Noida - 201301 Phone (Mobile): 8770084791 Email: amit.shukla@bhel.in</p> <p>2) Name: Tapish Khandelwal Designation: Senior Manager Deptt: Sub-Contracting Deptt, CPC Address: BHEL Sadan, 8th Floor, Plot No. 25, Sec 16A, Noida - 201301 Phone: (Mobile): 9010903666 Email: tapishkhandelwal@bhel.in</p>	Applicable

x	SCHEDULE OF PRE BID DISCUSSION (PBD)	<p>Date: 07/04/2026, Time: 11:30 hrs.</p> <p>Place: Bharat Heavy Electricals Limited, Central Procurement Cell, 8th Floor, BHEL Sadan, Plot no. 25, Sector 16A, Noida-201301, Uttar Pradesh</p> <p><i>Interested bidders are requested to confirm their participation for Pre Bid Discussion (PBD) meeting either by physical meeting at above mentioned place or through Video Conferencing (VC). For VC link, bidder to be contacted the BHEL officials mentioned as above.</i></p> <p><u>VC link for PBD: -</u></p> <p><u>Meeting link:</u></p> <p>https://bhel.webex.com/bhel/j.php?MTID=mf1685c74f91badd755dcb2753166f1de</p>	Applicable
xi	INTEGRITY PACT & DETAILS OF INDEPENDENT EXTERNAL MONITOR (IEM)	Please refer clause no. 15.	Applicable
xii	TYPES OF CONTRACT	WORKS	
xiii	LATEST UPDATES	<p>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.</p>	

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 Instructions for Cost of Tender - Not Applicable.

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

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

For Electronic Fund Transfer the details are as below:-

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

b) Bank Particulars:

1) For Receipt of EMD In Cash/NEFT/RTGS/DD :

Name of account : Bharat Heavy Electricals limited
 Account No : 10813608636
 Branch : CAG-II New Delhi, 4th & 5Th Floor Redfort Capital Parsvnath
 Towers, Bhai Veer Singh Marg, Gole Market, New Delhi -110001
 IFSC code : SBIN0017313

2) For Receipt of EMD In Bank Guarantee (BG):

a) For Beneficiary bank details:

Name of account : Bharat Heavy Electricals limited
 Account No : 10813608636
 Branch : CAG-II New Delhi, 4th & 5Th Floor Redfort Capital Parsvnath
 Towers, Bhai Veer Singh Marg, Gole Market, New Delhi -
 110001
 IFSC code : SBIN0017313

The SFMS (Structured Financial Message System) for BG shall be sent to SBI Bank and the copy of the SFMS is to be attached along with the BG for submission to BHEL towards verification of authenticity of BG.

- b) In case, any contractor / vendor shows their inability for issuance of Bank Guarantee from SFMS compliant bank,
- i. Paper Bank Guarantee shall be sent to BHEL directly by the issuing bank under Registered Post (A.D.) / Speed Post/ Courier/ By Hand along with a covering letter and
 - ii. A declaration by contractor / vendor with list of their banks along with a confirmation that none of their banks are SFMS compliant.

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. Techno-commercial Bid (UN priced Tender)

All Techno-commercial details (e.g. EMD, Documentary evidence in support of Pre Qualifying criteria, applicable forms, etc.) should be attached in e-tendering module, failing which the tender stands invalid & may be REJECTED.

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

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

- 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 Vendors DSC Address List link as given below:

https://eprocurebhel.co.in/nicgep/app?component=%24DirectLink_0&page=DSCInfo&service=direct&session=T&sp=SDSCAddress.pdf

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

6.0 Instructions regarding Hard/Paper Bid - Not Applicable.

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

- 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** Notwithstanding anything stated in the tender documents, BHEL/End Customer reserves the right to access the capabilities and capacity of the Bidder/its consortium Partners (if applicable), to perform the contract in the overall interest of the Project. BHEL/End Customer 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. 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 based on its 'LOAD and PERFORMANCE' and 'TURNOVER', 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 last 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 2026, then the 'load' shall be calculated up to and inclusive of Dec 2025)

Total number of LOAs in hand = Load (P)

Where 'P' is the sum of all LOAs under execution with BHEL Regions as on the cut off month defined above, excepting LOAs which are on Long Hold, or yet to start, or whose evaluation has been completed upto last month preceding the month corresponding to the 'latest date of bid submission'.

For example, if latest bid submission is in Jan 2026, then the

- i) LOA with start date in Dec-2025 shall be considered in Load.
- ii) LOA with finish date in Dec-2025 shall not be considered in Load.

- 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 2nd 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 2026, then the 'performance' shall be assessed for a 6 months' period up to and inclusive of Nov 2025 (i.e. from June 2025 to Nov 2025), 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. ' $S_T = S_1 + S_2 + S_3 + S_4 + S_5 + \dots + S_N$ ')
- 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

Aggregate of Performance scores for all similar packages in all the Regions

= -----

Aggregate of months for each of the similar packages for which performance

should have been evaluated in all the Regions

S_T
= -----
 T_T

- 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)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(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)

Sl. No.	Item Description	Details for all Regions							Total
		(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(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-...} , S _{1-T1}	S ₂₋₁ , S ₂₋₂ , S ₂₋₃ , S ₂₋₄ , ...	S ₃₋₁ , S ₃₋₂ , S ₃₋₃ , S ₃₋₄ , ...	S ₄₋₁ , S ₄₋₂ , S ₄₋₃ , S ₄₋₄ , ...	S ₅₋₁ , S ₅₋₂ , S ₅₋₃ , S ₅₋₄ ,	S _{N-1} , S _{N-2} , S _{N-3} , S _{N-4} , S _{N-...} , 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 and < 62	NA
2	≥ 62	0.45

- iv). **Performance Systems:** The performance rating as mentioned in II (i) and (ii) above, shall be calculated as per Online Systems i.e. Contractor Performance Evaluation System (CPES) and Safety Performance Evaluation System (HSEPES). The scores assigned in HSEPES shall be scaled down to 10 and assigned in CPES against the category “HSE” (mentioned in Form F-15).

III. i) ‘Assessment of Capacity based on ‘LOAD and PERFORMANCE’:

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

Max number of-LOA $P_{Max} = (R_{BHEL} - 60)$ divided by corresponding value of ‘L’, i.e. $(R_{BHEL} - 60)/L$

Note:

- i). 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
 ii). For $R_{BHEL} \geq 60$ and < 62 , $P_{Max} = '5'$

The Bidder shall be considered ‘Qualified’ on ‘Performance basis’ 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)

- b) In addition to above, the contractor shall be considered disqualified for ongoing tender(s) of BHEL, in case contractor fails to obtain an overall average score of 6 or more than 6 (six) (in the scaled down scores of HSEPES) out of 10 considered for Performance Rating as per sl no II (ii), in a period of ‘6 months preceding and including the cut-off month’. The period of ‘6 months preceding and including the cut-off month’ can be extended to 12 months and further to 24 months, to account for ‘performance scores’ for at least 6 ‘package months’. Bidders who did not qualify this condition shall not be considered under the provisions of clause 9 IV (iv) of NIT.

ii) Assessment of Capacity based on ‘TURNOVER’:

If the ‘value of contracts in hand’ across all PS Regions by a contractor is less than the product of “maximum of ‘annual average turnover for last 3 years’ or ‘latest FY turnover’ of the Contractor and multiplying factor”, then such bidder shall be considered qualified on ‘Annual Average Turnover basis’. The ‘value of contracts in hand’ will be computed by summing up “50% of the annualized awarded value of each contract” unless performance evaluation is not closed in the online CPES.

Based on the performance rating of the Contractor, the above mentioned multiplying factor shall be as below:

Sl. no.	Overall Performance Rating (R_{BHEL})	(Multiplying factor to Turnover)
1	<60	0
2	≥ 60 and ≤ 62	1.0
3	> 62 and ≤ 65	1.5
4	> 65 and ≤ 70	2.0
5	> 70 and ≤ 75	2.5
6	> 75 and ≤ 80	3.0
7	> 80	3.5

‘Assessment of Capacity of Bidder’:

The bidder will be considered qualified for the tender if it qualifies on ‘Load and Performance basis’ as well as on ‘Average Annual Turnover basis’.

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

However, 'Consortium Partner' shall be considered qualified based on only 'Overall Performance Rating ≥ 60 ' (they will be regarded pre-qualified on other criteria).

IV. Explanatory note:

- i). 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). Electrical Enabling Works	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)

- 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 LOA 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 tender conditions including ‘Assessment of Capacity of Bidders’. However, in case any evaluation scores are available in the last 24 months preceding and including the Cut-off month for a ‘First Timer’, the bidder shall be considered qualified only if the average of the available evaluation scores being ≥ 60 and qualified on other parameters i.e Load, HSE and Turnover.

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 four, 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’, excluding the bidders disqualified on basis of HSE (as per Sl. No. III (b)), and for this, procedure described in following four options shall be followed:

- a) All the bidders having Overall Performance Rating (R_{BHEL}) ≥ 60 shall be considered qualified against criteria of ‘Assessment of Capacity of Bidders’.
- b) If even after using option “a”, the number of qualified bidders remains less than four, 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’.
- c) If even after using option “a” and “b”, the number of qualified bidders remains less than four, 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’.
- d) If even after using option “a”, “b” and “c” the number of qualified bidders remains less than four, remaining bidders shall be “listed” as per their descending order of Overall Performance Rating (R_{BHEL}) or average of available performance scores for “First timer” bidders upto and including the Cut Off month.
Bidders as per option “a”, “b”, “c” and additional top bidders as “listed” above shall be considered qualified against criteria of ‘Assessment of Capacity of Bidders’ to make the total numbers of qualified bidders as four.

In case, from the “listed” bidders, more than 1 “listed” bidder are having the same average performance score, then all such bidders shall be considered.

Example-

If 3 bidders are considered from “a”, “b” and “c”.

From remaining “listed” bidders, 3 top bidders have same average performance scores. Then all 3 “listed” bidders shall be considered.

Note:- In case, the number of bidders qualified against Technical and Financial Qualification criteria itself is less than four, then all bidders shall be considered qualified against criteria of ‘Assessment of Capacity of Bidders’ for further processing of tender.

- v). ‘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/ Turbo Blower Packages
 - b. Up to Steam Blowing in case of Boiler/ ESP/ Piping Packages

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

c. Up to Synchronization in all Balance Packages

- 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 27th of Evaluation Month or 5 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 -
- Short hold:** Evaluation shall not be applicable for this period, however, Loading will be considered.
 - 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.

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 be deemed to be in compliance with tender including PBD.
- 15.0** Bidders shall submit Integrity Pact Agreement (Duly signed by authorized signatory who signs in the offer), **if applicable**, along with techno-commercial bid. This pact shall be considered as a preliminary qualification for further participation.

Integrity Pact (IP)

- (a) IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. Following Independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

SI	IEM	Email
1.	Dr. Sarat Kumar Acharya, Ex-CMD, NLC	iem1@bhel.in
2.	Shri R. Mukundan, IRPS (Retd.)	iem2@bhel.in
3.	Shri Madan Lal Meena, IAS (Retd.)	iem3@bhel.in

- (b) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with techno-commercial bid (Part-I, in case of two/ three part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.
- (c) Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to the panel of IEMs. All correspondence with the IEMs shall be done through email only.

Note:

No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc. on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department's officials whose contact details are as per Clause no. 1, Salient Features of NIT, Sl. No. (ix).

- 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 DEBARMENT.
- 17.0** Instructions regarding Hard Bid/Paper Bid – Not Applicable
- 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 Reverse Auction: Not Applicable**
- 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 (or Technical Tie up) shall be allowed only if specified in Pre-Qualifying Requirement (PQR) criteria, and in such a case the following shall be complied with:
- 23.1 Prime Bidder and Consortium Partner or partners are required to enter into a consortium agreement for the said contract with a validity period of six months initially. In case bidder becomes L1, Consortium Agreement valid till contractual completion period shall be submitted to BHEL before signing the contract. Consortium Agreement shall be kept valid till scope of work awarded to consortium partner(s) as per contract is completed.
- 23.2 ‘Standalone’ bidder cannot become a **‘Prime Bidder’ or a ‘Consortium bidder’ or ‘Technical Tie up bidder’ in a consortium (or Technical Tie up) bidding.** Prime bidder shall neither be a consortium partner to other prime bidder nor take any other consortium partners. However, consortium partner may enter into consortium agreement with other prime bidders. In case of non-compliance, consortium bids of such Prime bidders will be rejected.
- 23.3 Number of partners for a Consortium Bidding (or Technical Tie up) including Prime Bidder shall be NOT more than 3 (three).
- 23.4 Prime Bidder shall be as specified in the Pre-Qualification Requirement, else the bidder who has the major share of work.
- 23.5 In order to be qualified for the tender, Prime Bidder and Consortium partner or partners shall satisfy (i) the Technical ‘Pre Qualifying Requirements’ specified for the respective package, (ii) “Assessment of Capacity of Bidder” as specified in clause 9.0.
- 23.6 Prime Bidder shall comply with additional ‘Technical’ criteria of PQR as defined in ‘Explanatory Notes for the PQR’.
- 23.7 Prime Bidder shall comply with all other Pre Qualifying criteria for the Tender unless otherwise specified
- 23.8 In case customer approval is required, then Prime Bidder and Consortium Partner or partners shall have to be individually approved by Customer for being considered for the tender.
- 23.9 Prime Bidder shall be responsible for the overall execution of the contract.
- 23.10 In case of award of job, Performance shall be evaluated for Prime Bidder and Consortium Partner or partners for their respective scope of work(s) as per prescribed formats.
- 23.11 In case the Consortium partner or partners back out, their SDs shall be encashed by BHEL and BHEL shall take necessary action as per extant guidelines. In such a case, other consortium partner or partners meeting the PQR have to be engaged by the Prime Bidder and the new consortium partner or partners shall submit fresh SDs as applicable.

In case Prime bidder fails to engage new consortium partner, the respective work will be withdrawn and executed by BHEL and the expenses shall be recovered from the Prime bidder in following mode;

$$\text{Amount of recovery} = [(A-B) + (A \times H/100)]$$

Where,

A= Value of withdrawal Work of consortium partner as per rates of new contract

B= Value of withdrawal Work of consortium partner as per rates of old contract being paid to the contractor at the time of withdrawal of work i.e. inclusive of PVC & ORC, if any.

H = Overhead Factor to be taken as 5

In case (A-B) is less than 0 (zero), value of (A-B) shall be taken as 0 (zero).

23.12 In case "Prime Bidder withdraws" or "insolvency / liquidation / winding up proceedings have been initiated / admitted against the Prime Bidder/ consortium bidders",

- consortium bids will be rejected
- BHEL reserves the right to cancel, terminate or short close the contract or take any other action to safeguard BHEL's interest in the Project / Contract. This action will be without prejudice to any other action that BHEL can take under Law and the Contract to safeguard interests of BHEL.

23.13 After execution of work, the work experience shall be assigned to the Prime Bidder and the consortium partner or partners for their respective scope of work. After successful execution of the scope of work of Consortium partner under direct order of BHEL, the Prime Bidder shall be eligible for becoming a 'standalone' bidder for works similar to that for which consortium partner was engaged, for subsequent tenders

Execution for the scope of work of consortium partner shall mean:

- i. "BOILER LIGHT UP" in respect of Boiler/CFBC/ESP.
- ii. Successful completion of complete Chimney shell by using slipform technique within the permissible limit of both verticality & twisting of shell in respect of Chimney.
- iii. Successful completion of complete NDCT shell by using Jumpform technique in respect of NDCT.
- iv. Successful completion of complete RCC Silo in respect of AHP Civil/RCC Silo.
- v. Successful completion of complete STG Deck and Handing over of STG deck for Mechanical works in respect of TG Deck
- vi. "SYNCHRONISATION" in respect of STG/GTG and 'SPINNING' in respect of HTG
- vii. Achievement of physical Quantities as per respective PQRs in respect of Civil, Structures, Piling and CHP Civil.

23.14 The consortium partner shall submit SD equivalent to 1% of the total contract value in addition to the SD to be submitted by the Prime Bidder for the total contract value. In case there are two consortium partners, then each partner shall submit SD equivalent to 0.5% of the total contract value in addition to the SD to be submitted by the Prime

Bidder for the total contract value. However, Prime Bidder has also option for submission of SD on behalf of consortium partner (s).

SD submitted by Consortium Partner(s) may be released in case corresponding scope of work of the respective Consortium partner(s) has been completed upto the extent of 80% based on certification by Construction Manager and concurrence by the prime bidder.

23.15 In case of a Technical Tie up, all the clauses applicable for the Consortium partner shall be applicable for the Technical Tie up partner also.

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 Bidder shall not be eligible to participate in tender(s) for the said works or services, if bidder or any of its associates/subsidiary or 'company having any common director', is engaged by BHEL for the consultancy services for the same project.

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**" i.e., <<https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors>>.

28.0 The offers of the bidders who are either debarred or under Interim Suspension from BHEL - CPC, PS-Region (PSNR, PSER, PSWR & PSSR), ISG & PEM or debarred from BHEL on web site <https://www.bhel.com/list-debarred-firms>, and the offer of the bidders, who engage the services of above said firms, shall be rejected.

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 Bharatiya Nyaya Sanhita (BNS) 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 Bharatiya Nyaya Sanhita (BNS) 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 Micro and Small Enterprises (MSE): This is a WORKS CONTRACT. MSE BENEFIT SHALL NOT BE APPLICABLE FOR THE PACKAGE.

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 < <https://www.bhel.com/bhel-fraud-prevention-policy-0> > 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 19.07.2024 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.

The Bidder to submit self-certification for the local content in Annexure-9 along with the techno-commercial offer.

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.

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

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-10.
- (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 Bid should be free from correction, overwriting, use of corrective fluid, etc. Any interlineation, cutting, erasure or overwriting shall be valid only if they are attested under full signature(s) of person(s) signing the bid else bid shall be liable for rejection. All overwriting/cutting, etc. will be numbered by bid opening officials and announced during bid opening.

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 Bidders having a conflict of interest shall not be eligible to participate in the tender process. In this regard, a declaration in Annexure – 11 regarding 'Conflict of Interest' to be signed by the authorized signatory of the bidder.

35.0 Grievance Redressal Mechanism:

To promote transparency and ensure fair treatment of all bidders, a structured Grievance Redressal Mechanism is in place to address any concerns or issues arising during the tendering process.

Suppliers/Contractors are requested to follow the below escalation process for grievance resolution:

1. **First Level:** Any grievance should initially be addressed to the designated Dealing Officer, whose contact details are provided in the Notice Inviting Tender (NIT).
2. **Second Level:** If the issue remains unresolved, it may be escalated by lodging a formal grievance through the SUVIDHA Portal: <https://suvidha.bhel.in/suvidha/>. Responses will be provided in accordance with the defined escalation matrix.”

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. Contract agreement with its Amendments
- b. Letter of Award with its Amendments
- c. Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL
- d. Notice Inviting Tender (NIT)
- e. Price Bid
- f. Technical Conditions of Contract (TCC)—Volume-IA
- ~~g. Special Conditions of Contract (SCC)—Volume-IB~~
- h. General Conditions of Contract (GCC) —Volume-IC
- i. Forms and Procedures —Volume-ID

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
Manager / SCT- CPC

Enclosure:

- i). Annexure-1: Pre Qualifying Requirements.
- ii). Annexure-2: Check List.
- iii). Annexure-3: Not Applicable for this Tender
- iv). Annexure-4: Not Applicable for this Tender
- v). Annexure-5: Not Applicable for this Tender
- vi). Annexure-6: Integrity Pact
- vii). Annexure-7: Undertaking as per C4 of Annexure-1 i.e. PQR
- viii). Annexure-8: Declaration reg. Related Firms & their areas of Activities
- ix). Annexure- 9: Declaration reg. minimum local content in line with revised public procurement
- x). Annexure-10: Declaration by the Contractor
- xi). Annexure-11: Declaration regarding 'conflict of interest'
- xii). Annexure-12: Certificate of Solvency
- xiii). Annexure-13: Letter for Unutilized Line of Credit
- xiv). Annexure-14: Certificate for Insurance Surety Bond
- xv). Other Tender documents as per this NIT

PRE QUALIFYING REQUIREMENTS (PQR)

JOB WORK DESCRIPTION	Material Handling And Management Works - Receipt, Unloading, Verifying, Shifting, Stacking, Preservation, Handling and handing over of components of Boiler with auxiliaries including mills & feeders etc.; ESP with auxiliaries, Steam Turbine & auxiliaries; Turbo-Generator & auxiliaries; pumps with aux., Rotating machines, tanks & vessels, complete electrical, controls and instrumentation equipments, panels, cables / cable trays, and other related items including items of Boiler, TG & other Miscellaneous packages; HP&LP piping; refractory & insulation with cladding materials; BHEL T&P; components & equipment of various other systems, pre-fabricated structures, structural & reinforcement steel, cement, supply installation and maintenance of CCTV camera and providing services for Materials Handling and Management at Amarkantak TPS, Unit-6 (1x660 MW), Chachai, M.P, India.
TENDER NO.	BHEL/CPC/AKT/C_MM/27/001

SL NO	PRE-QUALIFICATION CRITERIA	Applicable / Not Applicable	Bidders claim in respect of fulfilling PQR Criteria			
			Supporting Docs Details			File Name & Page No.
A	Submission of Integrity Pact duly signed	Applicable				
B	<u>TECHNICAL:</u> Bidder who wish to participate should have experience as follows:	Applicable	Work Order	Work detail	Client Details	Executed Value/Qty
B-2	Bidder must have, achieved/Executed any one of the following (i.e. B.2.1 or B.2.2 or B.2.3 or B.2.4 or B.2.5 or B.2.6) in last Ten years as on the latest date of offer Submission:					
B-2.1	Bidder should have executed Material unloading of at least 16030 MT in a single work order of unit rating of 190 MW or above in Thermal/Nuclear Power Project. OR					
B-2.2	Bidder should have executed Material unloading of at least 48090 MT in a single work order in any Power Plant/ Industrial / Infrastructure project.. OR					
B-2.3	Bidder should have executed *Material Handling work of at least 24045 MT in a single work order in any Power Plant/ Industrial / Infrastructure project.					

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली - 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

B-2.4	<p style="text-align: center;">OR</p> <p>Bidder should have executed *Material Handling work of at least 8015 MT in a Single Work Order within a period of 12 consecutive months in any Power Plant/ Industrial / Infrastructure project.</p>						
B-2.5	<p style="text-align: center;">OR</p> <p>Bidder should have executed *Material Handling work of at least 12022 MT in Two Work Orders cumulatively within a common period of 12 consecutive months in any Power Plant/ Industrial / Infrastructure project.</p>						
B-2.6	<p style="text-align: center;">OR</p> <p>Bidder should have executed One Erection & Commissioning work of complete Boiler Consisting of “Pressure Parts” and “Structure” of the same unit as standalone Bidder (i.e. without any consortium) of unit rating 190MW or above” in a single Work Order in Thermal Power Project.</p> <p>Note: Material & Material handling definition as referred above in B-2 clause shall be as under.</p> <ol style="list-style-type: none"> 1) Material' shall mean Plant Materials (i.e. 'Power Plant'/ 'Industrial' Equipment/ components). Handling Quantities/weight of Reinforcement steel / bar, Scrap, Cement bags, Sacks, Coal, Chemical, Oil, Sand and all kind of minerals shall be excluded for evaluation of PQR. 2) *Material Handling shall mean unloading of materials including storage. This shall be applicable for criteria B.2.3, B.2.4 & B.2.5 above. Storage means preservation/ issue/custody of the material shall be in vendor scope irrespective of the ownership of storage yard/ shed. 3) Work Orders exclusively for handling of Reinforcement steel/bar, unfabricated Structural Steel like sheet, plates, coils and rolled section, Scrap, Cement bags, Sacks, Packages, Coal, Chemical, Oil, Sand and all kind of minerals or any combination thereof shall not be considered. 						

C	<u>Financial</u>	Applicable	Supporting Docs Details	File Name & Page No.
C-1	TURNOVER Bidders must have achieved an average annual financial turnover (Audited) of Rs 163.80 Lakhs or more over last three Financial Years (FY) i.e., 2022-23, 2023-24, 2024-25 OR 2023-24, 2024-25, 2025-26	Applicable		
C-2	NETWORTH (only in case of Companies) Net worth of the Bidder based on the latest Audited Accounts as furnished for 'C-1' above should be positive	Applicable		
C-3	PROFIT Bidder must have earned profit in any one of the last Five Financial Years (i.e. F.Y. 2020-21, 2021-22, 2022-23, 2023-24, 2024-25 OR 2021-22, 2022-23, 2023-24, 2024-25, 2025-26). Bidder to submit audited balance sheet and Profit & Loss Statement for the year as supporting documents.	Applicable		
C-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-7) to this effect.	Applicable		
C-5	a) The bidder shall submit a 'Certificate of Solvency' (Annexure -12) for a value of Rs 109.20 Lakhs from any Scheduled Commercial (i.e. Indian or Foreign Banks included in the Second Schedule of Reserve Bank of India Act, 1934 excluding Co-operative banks or Regional Rural Banks) as on date, not earlier than the date of NIT. OR b) The bidder should furnish a 'Letter for Unutilized line of credit' (Annexure -13) from any Scheduled Commercial (i.e. Indian or Foreign Banks included in the Second Schedule of Reserve Bank of India Act, 1934 excluding Co-operative banks or Regional Rural Banks), confirming the availability of the both funds based and non-fund-based line of credit for a value of Rs 109.20 Lakhs as on date, not earlier than the date of NIT. OR c) The bidder shall submit a 'Certificate for Insurance Surety Bond' (Annexure -14) from any Insurance Company (IRDA approved) for a value of Rs 109.20 Lakhs as on date not earlier than the date of NIT.	Applicable		
D	Assessment of Capacity of Bidder to execute the work as per Sl. No. 9 of NIT	Applicable	BY BHEL	

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

E	Price Bid Opening Note: Price Bids of only those bidders shall be opened who stand qualified after compliance of criteria A to D	Applicable	BY BHEL
G	Consortium criteria	Not Applicable	
<p><u>Explanatory Notes for the PQR:</u></p> <ol style="list-style-type: none"> 1. Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as indicated against C-1 above along with all annexures 2. Turnover means Revenue from Operations and excluding other income. 3. In case audited Financial statements have not been submitted for all the three years as indicated against C-1 above, then the applicable audited statements submitted by the bidders against the requisite three years, will be averaged for three years, i.e. total divided by three. 4. 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. 5. C-2: -NETWORTH: Shall be calculated based on the latest Audited Accounts as furnished for C-1 above. Net worth = Paid up share capital + Reserves. (Net worth is required to be evaluated in case of companies) 6. C-3:- PROFIT : Shall be PBT earned during any one of the five financial years as mentioned in C-3. 7. Completion date for achievement of the technical criteria specified in the Technical' criteria of PQR (as in 'B' above) should be in the last 10 years ending on the 'latest date of Bid Submission' of Tender irrespective of date of the start of work. Completion date shall be reckoned from the "FY quarter of bid submission". 8. 'EXECUTED' means the bidder should have achieved the criteria specified in the Technical criteria of PQR (as in 'B' above) even if the Contract has not been completed or closed. 9. Unless otherwise specified, for the purpose of 'Technical' criteria of PQR (as in 'B' above), the word 'EXECUTED' means: <ol style="list-style-type: none"> i. "BOILER LIGHT UP" in respect of Boiler/CFBC/ ESP 10. Boiler means HRSG or WHRB or any other types of Steam Generator 11. Bidder shall essentially meet all the Qualifying Requirements i.e., (B-2) as above, in the last ten years as on latest date of bid submission. 12. Relevant documents, meeting above requirements at C & E, shall be submitted by bidders. 			

NOTE:

- 1) 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.
- 2) 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

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

ANNEXURE - 2**CHECK LIST**

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

1	Name of the Tenderer	
2	Address of the Tenderer	
3	Type of the Firm/ Company	
(i)	In case of Individual Tenderer	His / her full name, address and place & nature of business shall be furnished along with the offer.
(ii)	In case of Partnership Firm	The names of all the partners and their addresses, A copy of the partnership deed/instrument of partnership duly certified by the Notary Public shall be furnished along with the offer.
(iii)	In case of Companies	a) Date and place of registration including date of commencement certificate in case of Public Companies (certified copies of Memorandum and articles of Association are also to be furnished). b) Nature of business carried on by the Company and the provisions of the Memorandum relating thereof.
4.a	Details of Contact person for this Tender	Name: Mr./ Ms. Designation: Telephone No: Mobile No: Email ID:
4.b	Details of alternate Contact person for this Tender	Name : Mr/ Ms Designation: Telephone No: Mobile No: Email ID:
5	Validity of Offer	To be valid for Six Months from due date
6	EMD Details (Remittance of EMD should be in line with Mode of Deposit as detailed in clause 1.9.1 of General Conditions of Contract (Volume IC Book-II)	
	A) Cash portion of EMD (Minimum Rs 2 Lakhs	Mode of Remittance: Ref No: Date: Amount:
	B) Balance portion of EMD	Mode of Remittance: Ref No: Date: Amount:

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली - 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

	DESCRIPTION	Applicability	Enclosed By Bidder
7	Whether the format for compliance with PRE QUALIFICATION CRITERIA (ANNEXURE – 1) is understood and filled with proper supporting documents referenced in the specified format.	Applicable	YES / NO
8	In case Balance portion of EMD is submitted in the form of Bank Guarantee (BG), a) Copy of SFMS (Structured Financial Message System) to be attached along with the bank guarantee towards verification of authenticity of BG.	Applicable	YES / NO
	OR b) Declaration by contractor / vendor with list of their banks along with a confirmation that none of their banks are SFMS compliant and Paper Bank Guarantee sent to BHEL directly by the issuing bank under Registered Post (A.D.) / Speed Post/ Courier/ By Hand along with a covering letter.		YES / NO
9	Whether all pages of the Tender documents including annexures, appendices etc. are read and understood	Applicable	YES / NO
10	Audited Balance Sheet and profit & Loss Account for the last Three/Five years as mentioned at PQR C-1 & C-3.	Applicable	YES / NO
11	Copy of PAN Card	Applicable	YES / NO
12.	Copy of GST registration	Applicable	YES / NO
13	Submission of copy of Registration /Incorporation Certificate, Partnership Deed (Certified by Notary Public) as applicable for firm	Applicable	YES / NO
14	Organization Chart of the tenderer's organization, including the names, addresses and contact information of the Directors/Partners shall be furnished along with the offer.	Applicable	YES / NO
15	Integrity Pact (Annexure – 6 of NIT)	Applicable	YES / NO
17	Annexures – 7, 8, 9, 10, 11, 12, 13 & 14 of NIT	Applicable	YES / NO
18	Offer forwarding letter / tender submission letter [Form No. F-01 (Rev 00)]	Applicable	YES / NO
19	Declaration by Authorized Signatory [Form No: F-02 (Rev 00)]	Applicable	YES / NO
20	Power of Attorney for Submission of Tender/Signing Contract Agreement [Form No: F-03 (Rev 00)]	Applicable	YES / NO
21	Declaration by Authorized Signatory regarding Authenticity of submitted documents [Form No: F-04 (Rev 00)]	Applicable	YES / NO
22	No Deviation Certificate [Form No: F-05 (Rev 00)]	Applicable	YES / NO
23	Declaration confirming knowledge about Site Conditions [Form No: F-06 (Rev 00)]	Applicable	YES / NO
24	Declaration for relation in BHEL [Form No: F-07 (Rev 00)]	Applicable	YES / NO
25	Non-Disclosure Certificate [Form No: F-08 (Rev 00)]	Applicable	YES / NO
26	Bank Account Details for E-Payment [Form No: F-09 (Rev 00)]	Applicable	YES / NO
27	Format for seeking clarification [Form No: F-10 (Rev 00)]	Applicable	YES / NO
28	Analysis of Unit rates Quoted [Form No: F-11 (Rev 00)]	Applicable	YES / NO
29	Capacity Evaluation of Bidder for current Tender [Form No: F-12 (Rev 00)]	Applicable	YES / NO
30	Tie Ups/Consortium Agreement are submitted as per format	Not Applicable	YES / NO

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

DATE :

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

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

ANNEXURE - 3

Not Applicable for this Tender

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

ANNEXURE – 4

Not Applicable for this Tender

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

Not Applicable for this Tender

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

ANNEXURE – 6**INTEGRITY PACT****Between**

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for Tender No. **BHEL/CPC/AKT/C_MM/27/001**, for the work of *"Material Handling And Management Works - Receipt, Unloading, Verifying, Shifting, Stacking, Preservation, Handling and handing over of components of Boiler with auxiliaries including mills & feeders etc.; ESP with auxiliaries, Steam Turbine & auxiliaries; Turbo-Generator & auxiliaries; pumps with aux., Rotating machines, tanks & vessels, complete electrical, controls and instrumentation equipments, panels, cables / cable trays, and other related items including items of Boiler, TG & other Miscellaneous packages; HP&LP piping; refractory & insulation with cladding materials; BHEL T&P; components & equipment of various other systems, pre-fabricated structures, structural & reinforcement steel, cement, supply installation and maintenance of CCTV camera and providing services for Materials Handling and Management at Amarkantak TPS, Unit-6 (1x660 MW), Chachai, M.P, India."* (hereinafter referred to as "Contract").

The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint panel of Independent External Monitor(s) (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Bharatiya Nyaya Sanhita (BNS) 2023 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption.-The Bidder(s)/ Contractor(s) commits himself to observe the following principles during participation in the tender process and during the contract execution.
- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. 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.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Bharatiya Nyaya Sanhita (BNS) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) 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.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process , terminate the contract, if already awarded, exclude from future business dealings and/ or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 4 - Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder (s) from the tender process before award / order acceptance according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal is entitled to terminate the Contract according to Section 3, or terminates the Contract in application of Section 3 above , the Bidder(s)/ Contractor (s) transgression through a violation of Section 2 above shall be construed breach of contract and the Principal shall be-entitled to demand and recover from the Contractor an amount equal to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee , whichever is higher, as damages, in addition to and without prejudice to its right to demand and recover compensation for any other loss or damages specified elsewhere in the contract.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 (three) years (to be reckoned from date of bid submission) with any other company in any country conforming to the anti-corruption approach in India that could justify his exclusion from the tender process. The date of such transgression, for the purpose of disclosure by the bidders in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The transgression(s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the bidders.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason or action can be taken as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 6 - Equal treatment of all Bidder (s)/ Contractor (s) / Sub-contractor (s)

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact. In case of Sub-contracting, the Principal Contractor shall be solely responsible for the adherence to the provisions of IP by the sub-contractor(s).
- 6.3 The Principal will disqualify from the tender process all Bidders who do not sign this Integrity Pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 -Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact on receipt of any complaint by them from the bidder(s).
- 8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as /Top Secret are not to be disclosed.
- 8.4 The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.
- 8.5 The role of IEM is advisory and the advice of IEM is non- binding on the Organization. However, as IEMs are invariably persons with rich experience who have retired as senior functionaries of the government, their advice would help in proper implementation of the IP.

- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of the tendering process, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an examination, and submit their joint recommendations to the Management. In case the full panel is not available due to some unavoidable reasons, the available IEM(s) will conduct examination of the complaints. Consent of the IEM(s), who may not be available, shall be taken on record.
- 8.7 The IEMs shall examine all the representations/grievances/ complaints received by them from the bidders or their authorized representative related to any discrimination on account of lack of fair play in modes of procurement and bidding systems, tendering method, eligibility conditions, bid evaluation criteria, commercial terms & conditions, choice of technology/ specifications etc.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.
- 8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.
- 8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Bharatiya Nyaya Sanhita (BNS)/ Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs.
- 8.12 However, the IEMs may suggest systemic improvements to the management of the Principal, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.
- 8.13 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

- 9.1 This Integrity Pact shall be operative from the date this Integrity Pact is signed by both the parties. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.
- 9.2 If any claim is made/ lodged during currency of this Integrity Pact, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

- 10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.
- 10.2 Changes and supplements as well as termination notices need to be made in writing.
- 10.3 If the Bidder(s)/ Contractor(s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.

- 10.4 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders / contractors who have entered into this Integrity Pact with the Principal would be competent to participate in the bidding. In other words, entering into this Integrity Pact would be a preliminary qualification.
- 10.6 In the event of any dispute between the Principal and Bidder(s)/ Contractor(s) relating to the Contract, in case, both the parties are agreeable, they may try to settle dispute through Mediation before the panel of IEMs in a time bound manner. If required, the Principal may adopt any mediation rules for this purpose. However, not more than five meetings shall be held for a particular dispute resolution. The fees/expenses on dispute resolution shall be equally shared by both the parties. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as the terms & conditions of the Contract.

 For & On behalf of the Principal
 (Office Seal)

 For & On behalf of the Bidder/ Contractor
 (Office Seal)

Place _____

Date _____

Witness: _____

(Name & Address) _____

Witness: _____

(Name & Address) _____

ANNEXURE – 7

UNDERTAKING

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

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

**Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301**

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:

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

ANNEXURE-8**DECLARATION**

Date: _____

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

**Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301**

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: M/s _____
Supplier Code: _____
Address: _____

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

Annexure-9

**DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH
REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED
19TH JULY, 2024 AND SUBSEQUENT ORDER(S)**

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

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

**Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301**

Dear Sir,

Sub: Declaration reg. minimum local content in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 19th July, 2024 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 19.07.2024 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. _____ | 5. _____ |
| 3. _____ | 4. _____ | 6. _____ |

Thanking you,
Yours faithfully,

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

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

Note:

1. The Bidder to submit self-certification for the local content in the above format along with the techno-commercial offer.
2. In case the bidder's quoted value is in excess of Rs. 10 crores, the contractor shall be required to give local content certification duly certified by 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) at the time of execution of project.
3. In case the contractor/supplier does not meet the stipulated requirement and the category of the supplier changes from Class -I to Class-II/Non-local or from Class-II to Non-local, a penalty up to 10% of the contract value shall be imposed.
4. In the event of false declaration, actions as per the above order and as per BHEL Guidelines shall be initiated against the bidder.

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

ANNEXURE-10**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 and Designation of Officer of BHEL inviting the Tender);***Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301**

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.

ANNEXURE-11**DECLARATION REGARDING 'CONFLICT OF INTEREST'***(To be typed and submitted in the Letter Head of the Entity/ Firm providing certificate as applicable)*

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

**Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301**

Dear Sir,

Sub: Declaration regarding 'Conflict of Interest'.**Ref :** 1) NIT/Tender Specification No: _____
2) All other pertinent issues till date**Treatment of cases regarding conflict of interest:**

The bidder notes that a conflict of interest would said to have occurred in the tender process and execution of the resultant contract, in case of any of the following situations:

- i) If its personnel have a close personal, financial, or business relationship with any personnel of BHEL who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BHEL directly or indirectly;
- ii) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating;
- iii) Procurement of goods directly from the manufacturers/ suppliers shall be preferred. However, if the OEM/ Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored. However, this shall not debar more than one Authorised distributor (with/ or without the OEM) from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.
- iv) A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV.

The Bidder declares that they have read and understood the above aspects, and the bidder confirms that such conflict of interest does not exist and undertakes that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s), in this regard. 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, the same will be considered as a violation of the tender conditions, and suitable action shall be taken by BHEL as per extant policies/ guidelines.

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

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

ANNEXURE – 12**CERTIFICATE OF SOLVENCY**

(To be given on Letter head of the Scheduled/Commercial Bank (excluding Cooperative Bank) duly certified (Signed & Stamped))

To whomsoever it may concern

This is to certify that M/s. _____ having their Registered Office at _____ is solvent to the extent of ₹ _____ [Amount in Words _____] as on date & on the basis of information disclosed and records available with us and is deemed capable of furnishing Bank Guarantees of value equivalent to 50% of the aforesaid Solvency Value.

This certificate is issued at the request of M/s. _____

This certificate is issued without any risk / liability or responsibility whatsoever on the part of the Bank or any of its officers.

Signature of authorised signatory with seal :

Name of Authorised Signatory of the bank :

Date of issue of Certificate :

Address of the bank with IFSC code :

Email of the bank :

Phone no of the bank :

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

ANNEXURE – 13**LETTER FOR UNUTILIZED LINE OF CREDIT**

(To be given on Letter head of the Scheduled/Commercial Bank (excluding Cooperative Bank) duly certified (Signed & Stamped))

To,
Bharat Heavy Electricals Limited
Central Procurement Cell
PSHQ, 8th Floor, BHEL Sadan
Plot No -25, Sector 16 A,
Gautam Buddha Nagar (Uttar Pradesh) - 201301

Sir/ Madam,

_____ (Name of the bank with branch address) certify that M/s -
_____ (Name of the bidder), having registered office at _____ (Address
of the account holder) is maintaining a Savings Bank Account / Current Account (tick whichever is
applicable) bearing No. _____ (Account No.) with us since _____ (Year of account
opening) and having an approved line of credit limit (both fund based and non-fund based) of Rs
_____, out of which the current unutilized limit is Rs _____ (Amount in Words) (both
fund based and non-fund based) as on date _____.

Signature of authorised signatory with seal :

Name of Authorised Signatory of the bank :

Date of issue of Certificate :

Address of the bank with IFSC code :

Email of the bank :

Phone no of the bank :

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

ANNEXURE – 14

CERTIFICATE FOR INSURANCE SURETY BOND

(To be given on Letter head of the Insurance company registered under IRDA (duly certified (Signed & Stamped))

To whomsoever it may concern

This is to certify that M/s _____ can avail Insurance surety bond up to a sum of Rs. _____ (Amount in words) from our Insurance company (Name of the company) as on date on the basis of their financial position.

Signature of authorised signatory with seal :

Name of Authorised Signatory of Insurance Company :

Date of issue of Certificate :

Address of the Insurance Company :

Email of the Insurance Company :

Phone no of the Insurance Company :

रजिस्टर्ड ऑफिस : भेल हाउस, सिरी फोर्ट, नई दिल्ली – 110049

Registered Office : BHEL House, Siri Fort, New Delhi – 110 049, India, Website : www.bhel.com

TECHNICAL CONDITIONS OF CONTRACT (TCC)

MATERIAL HANDLING AND MANAGEMENT WORKS-RECEIPT, UNLOADING, VERIFYING, SHIFTING, STACKING, PRESERVATION, HANDLING AND HANDING OVER OF COMPONENTS OF BOILER WITH AUXILIARIES INCLUDING MILLS & FEEDERS ETC.; ESP WITH AUXILIARIES, STEAM TURBINE & AUXILIARIES; TURBO-GENERATOR & AUXILIARIES; PUMPS WITH AUX., ROTATING MACHINES, TANKS & VESSELS, COMPLETE ELECTRICAL, CONTROLS AND INSTRUMENTATION EQUIPMENTS, PANELS, CABLES / CABLE TRAYS, AND OTHER RELATED ITEMS INCLUDING ITEMS OF BOILER, TG & OTHER MISCELLANEOUS PACKAGES; HP&LP PIPING; REFRACTORY & INSULATION WITH CLADDING MATERIALS; BHEL T&P; COMPONENTS & EQUIPMENT OF VARIOUS OTHER SYSTEMS, PREFABRICATED STRUCTURES, STRUCTURAL & REINFORCEMENT STEEL, CEMENT, SUPPLY INSTALLATION AND MAINTENANCE OF CCTV CAMERA AND PROVIDING SERVICES FOR MATERIALS MANAGEMENT AT AMARKANTAK TPS, UNIT-6 (1x660 MW), CHACHAI, M.P., INDIA



TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - I: PROJECT INFORMATION

Sl No	DESCRIPTION	Chapter
Volume-IA	Part-I: Contract specific details	
1	Project Information	Chapter-I
2	Scope of Works	Chapter-II
3	Facilities in the scope of Contractor/BHEL (Scope Matrix)	Chapter-III
4	T&Ps and MMEs to be deployed by Contractor	Chapter-IV
5	T&Ps and MMEs to be deployed by BHEL on sharing basis	Chapter-V
6	Time Schedule	Chapter-VI
7	Terms of Payment	Chapter-VII
8	Taxes and other Duties	Chapter-VIII
9	Material Handling & Material Management of Material Received by Road	Chapter-IX
10	Material Handling & Material Management of Material Received by Rail	Chapter-X
11	Re-shifting & Restacking	Chapter-XI
12	Material Handling & Material Management of Material Collections/Dispatches	Chapter-XII
13	Supply installation and maintenance of CCTV camera	Chapter-XIII
14	Schedule of rates & quantities	Chapter-XIV
15	General	Chapter-XV
16	Special Condition of Contract	Chapter-XVI
17	Technical Specifications and Drawings	Chapter-XVII

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - I: PROJECT INFORMATION

1.0	PROJECT INFORMATION	
Sl. No.	Title	Description
1	Project Title	Amarkantak TPS, Unit-6 (1x660 MW), Chachai
2	Customer	M.P. Power Generating Co. Ltd. (MPPGCL)
3	Location	The Amarkantak Thermal Power Station is located near Chachai Village, Anuppur District, Madhya Pradesh. The latitude and longitude of site are 23° 10' 04" N and 81° 39' 15" E respectively. The nearest town to the site is Amlai which is about 7 km (NW) and District Head Quarter Anuppur is about 10 km (SE).
4	Nearest Airport	Nearest airport is Jabalpur Airport at a distance of about 220 KM.
5	Access by Road/Rail/Major Cities	The site distance from NH-78 (Katni-Gumla) is 10 KM. Nearest railway station is Amlai railway station on Katni-Bilaspur rail line of South Eastern railway, located at a distance of about 8 kms. The road distances of proposed site from major cities/towns are as follows: Jabalpur City: 220 Kms. Raipur City: 290 Kms.
6	Temperature / Humidity / Rain Fall	Climatological data from nearest observatory is placed Amarkantak is attached as Annexure-II .
7	Seismic Zone	As per Technical Specification of Civil Works, Seismic Design Criteria attached as Annexure-E .
8	Wind Speed	As per Technical Specification of Civil Works, Wind Design Criteria attached as Annexure-D .

1.0	INSTRUCTIONS TO BIDDERS
1.1	The Bidder shall visit project site and acquire full knowledge and information about conditions prevailing at site and in & around the plant premises, together with site conditions, transportation routes, various distances, all the statutory, obligatory, mandatory requirements of various authorities and all information that may be necessary for preparing the bid and entering into the Contract. All costs for and associated with site visits shall be borne by the bidder.
1.2	Other contractors would be working in this area and their structures are to be protected. The material brought and stacked for construction should not make hindrance to other contractors.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - I: PROJECT INFORMATION

1.3	The information given herein is for general guidance and shall not be contractually binding on BHEL/Owner. All relevant site data /information as may be necessary shall have to be obtained /collected by the Bidder.	
1.4	The contractor, in the event of this work awarded to him, shall establish an office at site and keep posted an authorized, responsible officer with valid Power of Attorney for the purpose of the contract. Any order or instructions of the 'Engineer' or his duly authorized representative, communicated to the contractor's representative at site office will be deemed to have been communicated to the contractor at his legal address.	
1.5	No claim will be entertained by BHEL on ground of lack of knowledge and the contractor's rates shall be deemed to have taken this into account.	
1.6	Void	
1.7	Bidders may fix up their site visit in consultation with below mentioned contact person:	
	Name:	Ms. Shabana Parveen
	Designation:	Sr. Manager
	Location:	BHEL-PSNR HQ
	Email:	shabana.parveen@bhel.in
	Ph. No.	9717144465
		Mr. Amresh Kumar
		AGM & Project Director
		BHEL-PSNR
		amresh@bhel.in
		9471000767

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter – II: SCOPE OF WORKS

2.1	Scope of Works:
2.1.1	RECEIPT, UNLOADING, VERIFYING, SHIFTING, STACKING, PRESERVATION, HANDLING AND HANDING OVER OF COMPONENTS OF BOILER WITH AUXILIARIES INCLUDING MILLS & FEEDERS ETC.; ESP WITH AUXILIARIES, STEAM TURBINE & AUXILIARIES; TURBO-GENERATOR & AUXILIARIES; PUMPS WITH AUX., ROTATING MACHINES, TANKS & VESSELS, COMPLETE ELECTRICAL, CONTROLS AND INSTRUMENTATION EQUIPMENTS, PANELS, CABLES / CABLE TRAYS, AND OTHER RELATED ITEMS INCLUDING ITEMS OF BOILER, TG & OTHER MISCELLANEOUS PACKAGES; HP&LP PIPING; REFRACTORY & INSULATION WITH CLADDING MATERIALS; BHEL T&P; COMPONENTS & EQUIPMENT OF VARIOUS OTHER SYSTEMS, PRE-FABRICATED STRUCTURES, STRUCTURAL & REINFORCEMENT STEEL, CEMENT, SUPPLY INSTALLATION AND MAINTENANCE OF CCTV CAMERA AND PROVIDING SERVICES FOR MATERIALS MANAGEMENT AT AMARKANTAK TPS, UNIT-6 (1X660 MW), CHACHAI, M.P, INDIA.
2.1.2	Scope of work includes Material Handling and Management (Incl. Issue, verification, stacking, shifting and record keeping etc.) of materials receipt at BHEL Site/ store from various units of BHEL or from any other source of BHEL. Tentative quantities of all such materials expected to be received at site are given in the tender Document
2.1.3	Unloading of <u>all types of structural & reinforcement steel and plant equipment's Including heavy consignments and/or over-dimensional consignments</u> (e.g. columns such as Boiler main column and Power House columns etc., structural materials, HP & IP Modules, LP Turbine, Generator Rotors, LP & HP Heaters, Flash Tanks / Vessels, Transformers and TG equipment's and any other plant materials etc.) directly from trailers by suitable crane/s or by jack & sleeper method as per instruction of BHEL Engineer.
2.1.4	The required jack & sleeper are to be arranged by the contractor.
2.1.5	Receipt of materials dispatched by road transport on door delivery basis at the BHEL stores and unloading thereof.
2.1.6	Collection of materials dispatched by road transport on go-down delivery basis from transporters' go-downs, loading at transporters go-down, local transport up to BHEL stores / storage yard and unloading thereof.
2.1.7	Preliminary verification of all materials at the time of unloading from transport vehicle or while receiving consignments from transporters' Go-down, as the case may be, reporting immediately the discrepancies like damages and shortages noticed.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter – II: SCOPE OF WORKS

2.1.8	Supply and installation of CCTV system around the storage boundary and inside entire storage space.
2.1.9	Maintenance of the CCTV system during the contract execution period including extension period (if any).
2.1.10	Detailed verification of materials with reference to packing list and loading advice slip after unpacking of boxes & crates; repacking, where called for, after detailed verification; preparation of receipt inspection reports etc. shall be carried out within the quoted rate within 14 days. If the verification is not carried out within 14 days for reasons attributable to the contractor, then BHEL is having right to deploy the resources and recover the charges thereof from the contractor as per actual rates + 5% overhead rates.
2.1.11	Stacking and storing at BHEL open storage yard / covered stores / closed & semi-closed sheds and submission of stacking / storing records.
2.1.12	Preservation of the materials in accordance with BHEL preservation manual and as per BHEL instructions.
2.1.13	General cleaning, grass cutting and upkeep of storage yard, covered and semi-closed stores sheds shall be in the scope of contractor. However, Services of Grass cutting shall be payable as per BOQ for menial services (for Grass Cutting). Providing required tools and tackles, safety PPEs, gate pass formalities, insurance of labour and T&Ps, accommodations and any other labour facilities shall be in the scope of Contractor and no separate payment is applicable for the same.
2.1.14	Providing Materials Management Services.
2.1.15	Re-handling and restacking of materials as and when called for by BHEL. This also includes excess / redundant / scrap materials returned to stores by BHEL erection contractors.
2.1.16	Handling and loading of outgoing materials those are to be sent to other destinations including scrap, if any. Note: In case of scrap handling, cutting of scrap in scrap yard to ensure full truck load weight is in the scope of MM agency. Scope of Scrap cutting, if any, shall be treated as extra work. Rate will be finalized in line with the relevant provisions of GCC.
2.1.17	Lodging of complaint with local authorities for any theft / damage of received/ stored material.
2.1.18	Under Material Management scope contractor shall also maintain Record keeping (receipt & issue) of: i) Cement received through trucks/trailers in bulkers/bags at project Site (Where unloading of Cement is not in scope of MM agency) &

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter – II: SCOPE OF WORKS

	ii) Reinforcement Steel/ Structural Steel (raw) received at project Site (Where unloading of Reinforcement/Structural steel is done by Civil/other agency).
2.1.19	Handing over of records and materials to another agency.
2.2	SCOPE OF WORK IS FURTHER DETAILED IN VARIOUS CLAUSES HEREAFTER:
2.2.1	<p>MAJOR PACKAGES TO BE HANDLED ARE AS UNDER:</p> <p>Components of the following major systems are to be handled under this contract:</p> <ul style="list-style-type: none"> • Boiler & Auxiliaries (Structures, Pressure Parts, Fans, Air pre-heaters, Fuel systems, ducts & dampers) • Mill Bunker Buildings structure, Transfer points, conveyor galleries and its supporting trestles. • Electrostatic Precipitator with HV Rectifier Transformers and auxiliaries. • Coal Mills & Feeders with associated auxiliaries (Pulverised Fuel system). • Complete Insulation, Refractory, Lining, Ancillary and cladding materials. • Turbines, Turbo-generator auxiliaries, condenser, pumps with drive motors and their associated equipment's & auxiliaries, HP & LP heaters, heat exchangers, de-aerating heaters and other consumables & lubricants etc. • Power cycle pumps with auxiliaries, Tanks & Vessels. • Controls & Instrumentation Systems for Boiler, ESP and their auxiliaries • STG & Aux controls and instrumentation and accessories including cables, trays etc. • Power cycle piping, valves, Hangers & Supports including HP & LP bypass systems. • Low Pressure piping system. • Circulating water pipes, filter, plate type heat exchanger, CW booster pumps with drives, DM cooling water system and drives, and aux cooling water pumps. • Generator relay protection panels and auxiliaries • LT switch gears, Electrical and pneumatic actuators and motors. • Boiler piping and TG cycle piping, tanks, vessels etc. • Electrical Panels, cables, cable trays and accessories. • PEM supplied items • HP & LP Chemical dosing system. • Thermal insulation & cladding. • Other BHEL supplied (manufactured/bought out items).

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter – II: SCOPE OF WORKS

- Misc. Cranes & hoist.
- Cable & cable trays etc.
- Tanks
- Fabricated Structures
- Structural steel items, Reinforcement.
- Cement (bag and bulkers, as specified elsewhere)
- Construction equipments (including cranes, portal gantry cranes, IHE and any other equipment) of BHEL sent in assembled/dismantled condition and other items received from other sites/locations.
- Materials and consumables required for erection & commissioning of plant.

The above list is not exhaustive; it only includes most common major packages. It should in no way a basis for any claim/dispute on account of any variation. The intent of specification is to provide the complete material handling and material management services. All the work shall be carried out as per the instructions of BHEL engineer which shall be final and binding on the contractor.

2.2.2 Some of the Major Heavy Single Consignments are as furnished below:

S.N.	Item Description	Approx. Wt.
1	Ceiling Girder – Heaviest Piece (height 7M, width 1.5 M, length 13 M)	70 MT
2	HP Turbine (L-6745 X W-3900 X H-3900 MM)	128 MT
3	Generator Rotor (L-14140 X W-1790 X H-1760 MM)	85 MT
4	Generator Transformer (L- 6000 x W- 4800 x H- 4800 MM)	255 MT
5	Station Transformer (L- 8000 x W- 4000 x H- 4500 MM)	237 MT
6	Cabins/Crawlers/counter weight of BHEL Cranes	Up to 65 MT

The weight & Quantities indicated above are only the tentative indication and should in no way become a basis for any claim on account of any variation in actual weight. Work shall be carried out for all the Equipment's received from various manufacturing units and their vendors for the project.

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter – II: SCOPE OF WORKS

	<p>* Note: Unloading of each Generator Stator weighing 326 MT with dimension L-10160 X W-4404 X H-4260 is currently not envisaged in the scope of this work. However, on the direction of BHEL engineer the agency shall carry out the unloading of the Generator stator. The decision of BHEL engineer is binding on the agency. A lumpsum amount of ₹ 4,40,407/- shall be paid to the agency for each generator stator unloading which shall be inclusive of charges of T&Ps required for the work except for saddle which shall be provided to agency free of cost.</p>	
2.2.3	Major Unloading quantities:	
	Total Approx. Weight of Project material to be unloaded:	80150 MT
	Total Approx. Weight of Structural steel & TMT to be unloaded:	9758 MT
	Total Approx. Weight of Cement, TMT, Structural Steel to be managed:	75995 MT
2.2.4	The intent of specification is to provide Material Handling and Materials Management services according to the most modern and proven Techniques and codes. The omission of specific reference to any method, equipment or materials necessary for proper and efficient unloading, transportation, verification, stacking & preservation etc. shall not relieve the contractor of the responsibility of providing such facilities to complete the work without any extra compensation.	
2.2.5	All the work shall be carried out as per the instructions of BHEL engineer. BHEL engineer's decision regarding correctness of the work and method of working shall be final and binding on the contractor.	
2.2.6	The contractor shall perform all required services which may not be specified herein but nevertheless required for the completion of work within quoted rates.	
2.2.7	All necessary certificates and licenses required to carry out this work are to be arranged by the contractor expeditiously. The Contractor shall obtain independent Labour License under the Contract Labour (Regulations and Abolition) Act, 1970 for engaging contract labour as required from the concerned Authorities based on the certificate (Form- III or as applicable) issued by the Principal Employer/Customer.	
2.2.8	All cranes, transport equipment's, handling equipment, tools, tackles, fixtures, equipment, manpower, supervisors/engineers, consumables (excluding those indicated as BHEL scope), etc. required for this scope of work shall be provided by the contractor.	
2.2.9	All expenditure including taxes and incidentals in this connection will have to be borne by the contractor unless otherwise specified in the relevant clauses elsewhere here. The contractor's quoted rates shall include of all such contingencies. In this connection refer relevant clause of general conditions of contract.	

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter – II: SCOPE OF WORKS

2.2.10	BHEL issued materials & T&P, shall not be under any circumstances whatsoever, and shall be taken out of the project site unless otherwise permitted by BHEL for outside job.																		
2.2.11	Calibration and day to day operation and maintenance of BHEL owned weighbridge/s is included in the scope of this work including calibration fee and Liaoning with statutory authority for timely re-calibration etc. Payment shall be made to contractor as per relevant BOQ item rate.																		
2.2.12	SUPPLY INSTALLATION AND MAINTENANCE OF CCTV CAMERA IN STORAGE AREA (At Storage yard space Locations)																		
2.2.13	Supply & installation of IP based CCTV system for storage areas, geofenced with fixed camera around the boundary and covering of entire inside area of storage (both open yards and covered sheds) with cameras such that there should not be any dark patch. Surveillance camera should have a backup of at least two months. All hardware and software required to meet above intent shall be in the scope of bidder.																		
2.2.14	Comprehensive maintenance of the CCTV system including all components of the original supply scope as well as accessories, required for keeping the CCTV system operational.																		
2.2.15	The scope of spares and consumables as may be required is included in the scope of Contractor at no extra cost to BHEL.																		
2.2.16	Contractor shall monitor the operations of CCTV in store yard. Contractor shall immediately inform BHEL in writing, in case any CCTV camera/ necessary component is found non-operational. The faulty component shall be restored within three days from the date of intimation by BHEL/Contractor. BHEL shall be informed in writing about the daily status of material handling activities carried out in the area where CCTV surveillance not being carried out.																		
2.2.17	The agency shall handover all CCTV camera and related accessories including hardware and software to BHEL after completion.																		
2.2.18	<p>The contractor shall provide the following components for the surveillance system of the storage space. The quantity mentioned is tentative and may be changed to suit project requirement as decided by BHEL Engineer.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sl. No.</th> <th style="width: 70%;">Name of Item</th> <th style="width: 20%;">Quantity</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>IP based PTZ dome camera along with p2p/ PMP Outdoor CPE Antenna for wireless communication. <Server based architecture with licenses></td> <td style="text-align: center;">4 nos. (tentatively)</td> </tr> <tr> <td style="text-align: center;">2</td> <td>IP based Fixed bullet camera along with p2p/PMP Outdoor CPE Antenna for wireless communication. <Server based architecture with licenses></td> <td style="text-align: center;">40 nos. (tentatively)</td> </tr> <tr> <td style="text-align: center;">3</td> <td>CCTV camera database redundant server (Shall work in redundant mode, one primary and another secondary server) & Video Management Software</td> <td style="text-align: center;">1 set. (2 nos. server)</td> </tr> <tr> <td style="text-align: center;">4</td> <td>LED Display Screen – Min. 50”</td> <td style="text-align: center;">2 No.</td> </tr> <tr> <td style="text-align: center;">5</td> <td>All hardware/software including network switches, other mounting & electrical accessories including cables, adapters, Fiber Optic, patch cord, housing, connectors, junction boxes, etc.</td> <td style="text-align: center;">As required.</td> </tr> </tbody> </table>	Sl. No.	Name of Item	Quantity	1	IP based PTZ dome camera along with p2p/ PMP Outdoor CPE Antenna for wireless communication. <Server based architecture with licenses>	4 nos. (tentatively)	2	IP based Fixed bullet camera along with p2p/PMP Outdoor CPE Antenna for wireless communication. <Server based architecture with licenses>	40 nos. (tentatively)	3	CCTV camera database redundant server (Shall work in redundant mode, one primary and another secondary server) & Video Management Software	1 set. (2 nos. server)	4	LED Display Screen – Min. 50”	2 No.	5	All hardware/software including network switches, other mounting & electrical accessories including cables, adapters, Fiber Optic, patch cord, housing, connectors, junction boxes, etc.	As required.
Sl. No.	Name of Item	Quantity																	
1	IP based PTZ dome camera along with p2p/ PMP Outdoor CPE Antenna for wireless communication. <Server based architecture with licenses>	4 nos. (tentatively)																	
2	IP based Fixed bullet camera along with p2p/PMP Outdoor CPE Antenna for wireless communication. <Server based architecture with licenses>	40 nos. (tentatively)																	
3	CCTV camera database redundant server (Shall work in redundant mode, one primary and another secondary server) & Video Management Software	1 set. (2 nos. server)																	
4	LED Display Screen – Min. 50”	2 No.																	
5	All hardware/software including network switches, other mounting & electrical accessories including cables, adapters, Fiber Optic, patch cord, housing, connectors, junction boxes, etc.	As required.																	

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter – II: SCOPE OF WORKS

2.3	Considering the fact that storage areas shall be developed progressively, it could be required that contractor has to mobilise its Camera Installation resources multiple times in the beginning for completing the set-up.
2.4	BHEL reserves the right to recover from the contractor any loss arising out of damage/ theft or any other causes or during unloading/ verification/stacking or at any time under the custody of the contractor due to negligence/ carelessness on the part of the contractor.
2.5	The bidder shall arrange skilled/ semiskilled/ unskilled labour (from local source(s) as far as available). Also, The Contractor shall preferably engage skilled/ semiskilled/ unskilled workers from amongst the land oustees of the Project.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter – III: FACILITIES IN THE SCOPE OF CONTRACTOR/BHEL (SCOPE MATRIX)

Sl. No.	Description	SCOPE		REMARKS
		BHEL	BIDDER	
3.1	Establishment:			
3.1.1	For Construction Purpose:			
a	Open space for office (as per availability within project premises)	Yes		Location will be finalized after joint survey with owner.
b	Space for storage (as per availability within/nearby project premises)	Yes		Location will be finalized after joint survey with owner. Note: There can be more than one location of open storage yard, closed shed/ Semi Closed shed. Bidder shall make his establishment accordingly for material handling and MM services.
c	Construction of bidder's office, canteen and storage building including supply of materials and other services		Yes	
d	Bidder's all office equipments, office / store / canteen consumables		Yes	
e	Canteen facilities for the bidder's staff, supervisors and engineers etc.		Yes	
f	Firefighting equipment like buckets, extinguishers etc.		Yes	
g	Fencing of storage area, office, canteen etc of the bidder		Yes	
3.1.2	For living purpose of the bidder:			
a	Open space for labour colony		Yes	Contractor has to make his own arrangements for shelter and transportation of labours as per requirement.
b	Labour Colony with internal roads, sanitation, complying with statutory requirements		Yes	Construction Plan shall be approved by BHEL/Customer.
3.2	Electricity:			
3.2.1	Electricity for construction purposes (for Site/Project works only) 3 Phase 415/440 V within project premises.			Free
a	Single point source (free)	Yes	Yes	Construction Power shall be provided at single point source on free of charge basis as and when made available at site, however contractor has to

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter – III: FACILITIES IN THE SCOPE OF CONTRACTOR/BHEL (SCOPE MATRIX)

Sl. No.	Description	SCOPE		REMARKS
		BHEL	BIDDER	
				make his own arrangement to meet power requirement in case of delay in availability of single source or any kind of power interruptions during the course of the project.
b	Further distribution including all materials, Energy Meter, Protection devices and its service		Yes	
c	Duties and deposits including statutory clearances if applicable		Yes	
3.2.2	Electricity for office, stores, canteen etc. of the bidder within project premises			Chargeable Basis
a	Single point source (Chargeable)	Yes	Yes	However, contractor has to make his own arrangement to meet power requirement in case of delay in availability of single source or any kind of power interruptions during the course of the project.
b	Further distribution including all materials, Energy Meter, Protection devices and its service		Yes	
c	Duties and deposits including statutory clearances if applicable		Yes	
3.2.3	Electricity for living accommodation of the bidder's staff, engineers, supervisors, labour Hutment etc.			Contractor has to make his own arrangements
a	Single point source		Yes	
b	Further distribution including all materials, Energy Meter, Protection devices and its service		Yes	
c	Payment/Duties and deposits including statutory clearances if applicable		Yes	
3.3	Water Supply:			
3.3.1	For construction purposes:			
a	Making the water available at single point	Yes	Yes	BHEL shall provide water supply free of cost (at single point source) for construction purpose as and when made

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter – III: FACILITIES IN THE SCOPE OF CONTRACTOR/BHEL (SCOPE MATRIX)

Sl. No.	Description	SCOPE		REMARKS
		BHEL	BIDDER	
				available by customer tentatively 03 months from the date of start of work. However, contractor may initially make his own arrangement for water supply till source is obtained from Customer.
b	Further distribution as per the requirement of work including supply of materials and execution.		Yes	
3.3.2	For construction of bidder's office, stores, canteen purposes:			
a	Making the water available at single point	Yes	Yes	Chargeable basis.
b	Further distribution and treatment as per the requirement of work including supply of materials and execution		Yes	
3.3.3	Water supply for Living Purpose			Contractor has to make his own arrangement
a	Making the water available at single point		Yes	
b	Further distribution and treatment as per the requirement of work including supply of materials and execution		Yes	
3.4	Lighting			
a	For construction work (Supply and execution of the lighting work/ arrangements)		Yes	For office, stores, canteen etc. of the bidder; Illumination shall be in Contractor scope.
b	Lighting for the living purposes of the bidder at the colony / quarters		Yes	
3.5	Communication facilities for site operations of the bidder			
a	Téléphone, internet, intranet, e-mail etc		Yes	
3.6	Demobilization of all the above facilities		Yes	
3.7	Execution facilities and Site Construction Management:			
a	Preparation of site execution schedules and other input requirements as per Form-14.	Yes	Yes	In consultation with BHEL

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter – III: FACILITIES IN THE SCOPE OF CONTRACTOR/BHEL (SCOPE MATRIX)

Sl. No.	Description	SCOPE		REMARKS
		BHEL	BIDDER	
b	Review of performance and revision of site execution schedules in order to achieve the end dates and other commitments	Yes	Yes	In consultation with BHEL

	<ol style="list-style-type: none"> 1. <u>Note:</u> 2. <u>There can be more than one location of open storage yard, Closed shed/ Semi Closed shed inside and outside project premises), bidder shall make his establishment accordingly for Material Handling and MM services. Bidders to note that currently covered storage sheds are envisaged at two locations and same is under customer' custody. However, the land is located outside the plant boundary (in vicinity of approx. 2-3Km).</u> 3. <u>Bidder has to make his own arrangement at his cost till the construction power by BHEL is established.</u> 4. <u>Furnishing all labour, materials, supervision, construction/Material Handling plans, equipment, supplies, transport, to and fro the site, fuel, electricity, water and all other incidental items and temporary works not shown or specified elsewhere but reasonably implied or necessary for the proper completion, maintenance and handling over shall be in the scope of contractor.</u> 5. <u>Giving all notices, paying all fees, taxes etc., in accordance with the general conditions of contract, that is required for all works including temporary works.</u>
3.8	Land/Open Space:-
3.8.1	Availability of land within plant boundary is very limited and the contractor has to plan and use the existing land considering the use of land by other Civil /Mechanical/ Electrical contractors and the storage of plant machineries and materials. The existing land shall be shared by all erection agencies. BHEL shall provide free of charge limited open space for office, storage area for vendor's material and T&Ps and laydown area as and where made available by Customer. Bidders to note that all their offices and buildings shall be of prefab/ pre-engineered/ porta cabin construction. Shabby semi-furnished constructions in brickwork/ GI / Asbestos roof etc., shall not be permitted by BHEL/ Customer.
3.9	Labour and Staff Colony: Following are in the Bidder's scope of work for labour & staff colony:
3.9.1	Labour colony is to be developed / arrange by bidder for all the labourers required to be deployed for the works. All labour colony set-up is to be developed / arranged as per specifications, drawings, standard approved by BHEL/Customer and in compliance of statutory requirements.
3.9.2	Land for labor colony shall be arranged by Contractor at their own cost as per availability outside project area within 5Km, Necessary levelling/dressing of land shall be done by the contractor. All arrangement for electricity and drinking/service water to be arranged by the contractor within his quoted price. However, if customer provides land to BHEL for development of labour colony during the execution of the project, same may be made available to the bidder at the same terms & conditions (including rates) as applicable for BHEL. Currently it is envisaged that Land for Labour Colony is available near the MPPGCL's (Customer's) Township Area, outside the plant premises. Bidder should indemnify BHEL for all the charges levied by Customer for such land, if applicable. Necessary levelling/dressing of such allotted land shall be done by the contractor.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter – III: FACILITIES IN THE SCOPE OF CONTRACTOR/BHEL (SCOPE MATRIX)

	All arrangement for electricity and drinking/service water to be arranged by the contractor within his quoted price.
3.9.3	Development of Bidder's temporary staff colony and labour colony having adequate no. of rest rooms along with toilets & fencing etc.
3.9.4	All Civil and Structural work associated with drinking and service water for Bidder's labour and other personnel at the work site/colony/offices including pump houses, pipes, overhead tank, tube wells etc.
3.9.5	Providing and maintaining facilities for safety, welfare, drinking water and sanitation, hygiene, biennial health check-up etc. for construction workers at their workplaces as well as at labour & staff colonies.
3.9.6	Development and maintenance of above facilities for construction workers deployed by the Contractor shall solely rest with the Contractor.
3.10	<p>Installation of necessary amenities and temporary infrastructure at Project site locations- Following are the minimum amenities to be provided by the bidder within the quoted price including removal/disposal of the same in environment friendly manner after its intended use/completion of scope of work:</p> <ul style="list-style-type: none"> i. Labour rest sheds near work spot. ii. Canteen facility creation / arrangement. iii. Drinking water facility. iv. Labour Bio toilets near work spot in sufficient nos. with regular cleaning & maintenance arrangement. v. Labour colony should have all hygienic condition, dining hall, toilets, proper sewerage system, good drinking water arrangements. vi. Regular fogging in the work place and labour colony to avoid mosquitoes. vii. Statutory documents shall be submitted along with RA Bills for processing of Bills.
3.11	Construction Power:
3.11.1	Construction Power shall be provided at single point source on free of charge basis as and when made available at site at a distance of approx. 500 meters as finalised at site, however contractor has to make his own arrangement to meet power requirement in case of delay in availability of single source or any kind of power interruptions during the course of the project. However, it may be noted that apart from above, Power source for CCTV Camera shall be provided by BHEL at ground level at each of the pole from where Power will be utilized for CCTV Operation.
3.11.2	Contractor shall make necessary arrangements for onward distribution of construction power taking due care of surrounding construction activities like movement of cranes & vehicles, civil work, fabrication/construction/assembly/ erection etc. and safety of personnel. It may become necessary to relocate some of the installations to facilitate work by other agencies or by him.
3.11.3	It shall be the responsibility of the Contractor to provide, maintain the complete installation on the load side of the supply with due regard to the safety requirements at site. All cabling and installations shall comply in all respects with the appropriate statutory requirements. The installation and maintenance of this shall be done by licensed and experienced electrician.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter – III: FACILITIES IN THE SCOPE OF CONTRACTOR/BHEL (SCOPE MATRIX)

3.11.4	Contractor himself shall be responsible for any loss or damage to their equipment as a result of variations in voltage or frequency or interruptions in power supply.
3.11.5	Supply of electricity shall be governed by Indian Electricity Act and Installation Rules and other Rules and Regulation as applicable. The contractor shall ensure usage of electricity in an efficient manner and the same may be audited by BHEL time to time. In case of any major deviation from normally accepted norms is observed, BHEL will reserve the right to impose penalty as deemed fit for such cases.
3.12	Construction water:
3.12.1	Construction Water may be provided at single point on free of charge basis as and when made available at site (tentatively 03 months), however contractor has to make his own arrangement to meet Water requirement in case of delay in availability of single source or any kind of interruptions during the course of the project. Bidder has to make arrangement of further distribution of water at his own cost. No extra payment shall be made under this account.
3.12.2	Contractor to satisfy himself that the water drawn by him is fit for construction / consumption and adequately treat such water at his cost when it is not found fit for the said purposes.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter- IV: T&PS AND MMES TO BE DEPLOYED BY CONTRACTOR

4.0	LIST OF TOOL & PLANTS TO BE DEPLOYED BY THE CONTRACTOR				
4.1	Numbers of T&Ps to be deployed at site shall be decided with respect to Monthly plan and review formats (F-14) based on site requirement. Below given Quantities of T&Ps/ Equipment are tentative and for initial planning purposes by the bidder.				
4.1.1 List of Major Tools and Plants					
SN	DESCRIPTION OF EQUIPMENTS	Deployment period			
		Tentative Deployment	Tentative Duration	QUANTITY	REMARKS
1.	Crawler Crane/Mobile Crane (Telescopic boom, hydraulically operated with Turret Function)- 40 MT	1 st Month	42 Months	01	To be deployed as per instruction of BHEL Engineer.
2.	75/80 MT Basic Capacity Tyre Mounted Crane	6 th Month	28 Months	01	To be deployed as per instruction of BHEL Engineer.
3.	Crane - Forklift 5 Ton capacity with 3M lift Double mast type	8 th Month	24 Months	01	To be deployed as per instruction of BHEL Engineer.
4.1.2 List of Other Tools and Plants:					
SN	Description of Equipment	Deployment period			
		Tentative Deployment	Tentative Duration	Tentative Quantity	Remarks
1.	Pick & carry type tyre mounted mobile crane (Farana) - 23 MT Note: Hydra is not allowed.	1 st Month	44 Months	01	To be deployed as per instruction of BHEL Engineer.
2.	Pick & carry type tyre mounted mobile crane (Farana) - 23MT or above	4 th Month	44 Months	01	To be deployed as per instruction of BHEL Engineer.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter- IV: T&PS AND MMES TO BE DEPLOYED BY CONTRACTOR

		Note: Hydra is not allowed.				
3.	TRAILER WITH PRIME MOVER-40T or above	4 th Month	AS REQUIRED	02	To be deployed as per instruction of BHEL Engineer.	
4.	TRACTOR TRAILER-15/20MT	AS REQUIRED	AS REQUIRED		To be deployed as per instruction of BHEL Engineer.	
5.	TRUCK-ADEQUATE CAPACITY	AS REQUIRED	AS REQUIRED		To be deployed as per instruction of BHEL Engineer.	
6.	WOODEN SLEEPERS(*)- Assorted sizes (3' ft x 6" x 6")	Assorted sizes (3' ft x 6" x 6")	2000 Nos		25% BY FIRST MONTH AND BALANCE WITHIN 3 rd MONTH.	
7.	SLINGS, 'D'- SHACKLES, MAX PULLER.- 01 MT TO 10MT	01 MT TO 10MT	30 PAIRS		To be deployed as per instruction of BHEL Engineer.	
8.	SLINGS, 'D'- SHACKLES, MAX PULLER, PULLEY BLOCKS, HYDRAULIC JACKS, ETC ABOVE 10 MT.	AS REQUIRED	AS REQUIRED		To be deployed as per instruction of BHEL Engineer, WITH TEST REPORTS	
9.	SPANNER SETS RING/D	UP TO 56 MM	TWO SET.		To be deployed as per instruction of BHEL Engineer.	
10.	Tarpaulin (Fire Proof) 400 Gram/sq meter (GSM)	Assorted Size	50 nos. (covering 25000 SQ FT of area)		Mentioned quantities to be deployed as per Instruction of BHEL Engineer within the quoted rate. Beyond the mentioned Quantities	

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– IV: T&PS AND MMES TO BE DEPLOYED BY CONTRACTOR

				Tarpaulins shall be procured & provided by BHEL. Size to be decided at Site in consultation with BHEL Engineer.
11.	Grease for preservation of BHEL's equipment. (EP-2 or equivalent)	As per requirement	600 Kg	600 Kg to be supplied within the quoted rate. Additional, BHEL will supply.
<p>Only for items/ T&Ps mentioned in BOQ, payment shall be made by BHEL. Other T&Ps/items as indicated above shall be provided by Contractors within the quoted rates. Note: Contractor shall provide Operator, Fuel, consumables etc. (i.e. complete operation) for Cranes/ T&Ps to be deployed by contractor, for execution of work as per their scope, within the quoted rates and no separate payment shall be made for the same.</p> <p>End cap of various coils, pipes etc. if required, to be re- installed, the same shall be installed by the contractor within the scope of this tender. End cap will be provided by BHEL.</p> <p>MEASURING AND MONITORING DEVICES (MMD): AS PER REQUIREMENT TO BE FINALISED AT SITE, CONTRACTOR SHALL MEET THE REQUIREMENTS AS PER FQP/MANNUAL ETC.</p>				
4.2	Note:			
4.2.1	The above list is only indicative and neither exhaustive nor limiting. contractor shall deploy all necessary T&P (calibrated) to meet the schedules & as prescribed by BHEL engineer and required for completion of work. Quantities (as required) may be mutually agreed upon and minutes of meeting duly signed for deployment.			
4.2.2	For Heavy equipment such as crane, winch machine, etc., the age of the contractor deployed Heavy Equipment, at the time of deployment, as indicated above should be less than 15 years from the current year. Pre-safety inspection of the equipment by the safety deptt. of BHEL/Customer shall be done before mobilizing the equipment at project site. Contractor has to provide documentary evidence/ proof for age of the crane at the time of deployment to BHEL Engineer.			
4.2.3	Considering operational safety, contractor to note that Hydra Shall not be used for material transport. agencies have to deploy the New Generation Pick & carry tyre mounted mobile crane (Farana) of required capacity.			
4.2.4	Regular maintenance period of one day per month shall be permitted and Preventive maintenance period of six days per year with each spell not exceeding three days shall be permitted for the T&Ps.			
4.2.5	VOID			
4.2.6	All above T&Ps are to be deployed by contractor as and when required as per instruction of BHEL engineer. In case Contractor fails to deploy T&Ps as per requirement of BHEL and work gets delayed/hampered due to non-availability of above T&Ps, BHEL reserves the right to deploy own/hired/otherwise arranged resources and recover the expenses incurred from the			

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– IV: T&PS AND MMES TO BE DEPLOYED BY CONTRACTOR

	<p>dues payable to contractor. Recoveries shall be actual expenses incurred plus 5% overheads/ “BHEL internal hiring rates”.</p> <p>Note: In case of deployment of those T&Ps by BHEL for which item rates are indicated in BOQ, due to reasons attributable to contractor as indicated above, differential of expenses incurred by BHEL/ BHEL internal hiring rates and Corresponding BOQ rate of that T&P, shall be recoverable along with 5% overheads, as applicable.</p>
4.2.7	<p>IF ABOVE MENTIONED T&P ARE NOT DEPLOYED IN SPECIFIED TIME BHEL SHALL RESERVE RIGHT TO LEVY PENALTY ON CONTRACTOR.</p>
4.2.8	<p>Penalty due to non-availability of T&Ps:</p> <p>In order to meet the site requirement and in line with monthly plan and review format (F-14), Contractor has to mobilise their T&Ps and make it available at site for required activities.</p> <p>If contractor fails, due to the cases mentioned hereunder, BHEL shall be entitled to impose penalty on Contractor till any alternate arrangement is made by ‘Contractor’ OR ‘BHEL (on cost recovery basis)’.</p> <p>Case 1: Contractor fails to mobilise the Crane within the mobilisation period of 30 days from the date of intimation by BHEL.</p> <p style="text-align: center;">OR</p> <p>Case 2: After mobilisation of a particular Crane at site, the work is getting hampered due to non-availability of that Crane for more than 5 days cumulatively in a month.</p> <p>In both the cases, Penalty shall be levied at the rate of 50% X “daily rate*” for total no. of days eligible for penalty.</p> <p>For Case 1: Number of days eligible for Penalty = Difference of (date of availability of Crane by Contractor) - (Minus) (30 days from the Date of intimation).</p> <p>In above case if bidder fails to mobilize referred T&Ps, BHEL may mobilize the same and in that case aforementioned ‘date of availability of ‘Crane’ shall be reckoned from the date T&P is made available by BHEL.</p> <p>For Case 2: Number of days eligible for Penalty = (Number of days in a month, in which work is getting hampered, due to non-availability the crane) – (Minus) (05 days)</p> <p>Daily Rate*= Monthly hire Charge /30.</p> <p>NOTE: I) FOR CALCULATION NO. OF DAYS IN A CALENDAR MONTH IS TAKEN AS 30. II) MONTHLY CRANE CHARGES AS DERIVED IN THE “Table for Weightages/ Factors and BOQ of Chapter XIV SCHEDULE OF RATES & QUANTITIES”.</p>

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– IV: T&PS AND MMES TO BE DEPLOYED BY CONTRACTOR

	III) Monthly charges shall not be payable for the period of breakdown of crane/ non-availability of crane for any reasons.
4.2.9	All the T&Ps deployed by the bidders shall have valid test certificates, fitness certificates, registration certificate, insurance etc. The documentary proof shall be submitted to BHEL engineer along with applicable valid certificates.
4.2.10	Crane log sheet for each of the crane on daily basis is to be certified by the BHEL engineer. Contractor shall submit the monthly running account bills along with duly certified log sheets
4.2.11	Any or part or all of the T & Ps of the contractor identified for the tendered package shall not be engaged for any works other than that of the works intended in this tender. However, BHEL reserves the rights to engage those T&Ps for which separate monthly rates are being paid as per "TABLE FOR WEIGHTAGES/ FACTORS AND BOQ OF CHAPTER XIV SCHEDULE OF RATES & QUANTITIES" within the project premises for its own works other than that of the works intended in this tender during the period of contract. In such cases fuel will be provided by BHEL. However, operator for the same shall be provided by the contractor.
4.2.12	During the extended period of contract, services of T&Ps shall be provided by the contractor as per the instruction of BHEL engineer. The monthly charges towards deployment of the particular T&Ps beyond the specified quantity in BOQ shall be paid at the following rate: <ul style="list-style-type: none"> I. Rate of 90 % of monthly awarded rates upto 25% of BOQ quantity. II. Rate of 85 % of monthly awarded rates upto 50% (beyond 25 %) of BOQ quantity III. Beyond 50% of BOQ quantity, the rate shall be mutually agreed upon
4.2.13	The wooden sleepers shall be taken back by the contractor on as is where is basis after completion of work. No claim on account of damage /loss shall be payable by BHEL.
4.2.14	Concrete sleepers shall be arranged by BHEL and shall be issued to Contractor free of cost on returnable basis. It shall be responsibility of bidder to collect the concrete sleepers from the designated places within the plant boundary as intimated by BHEL site. No payment shall be made on account of this. Any damage to concrete sleeper for reasons not attributable to vendor, shall be duly considered during reconciliation. It is to be specifically noted that, concrete sleepers meant for storage yards outside project premises shall also be issued from designated placed inside project premises and contractor shall be responsible for transporting concrete sleepers to outside storage yards within quoted price.
4.2.15	25% of wooden sleepers shall be mobilized by the contractor in the first month of contract and balance within 3rd month of contract.
4.2.16	Quantities of Tarpaulin (fire proof) as indicated in scope of contractor shall be mobilized by the contractor in the first month of contract or as directed by BHEL. Additional quantities shall be supplied by BHEL.
4.2.17	The Tarpaulin supplied by the contractor shall be taken back by the contractor on as is where is basis after completion of work. No claim on account of damage /loss shall be payable by BHEL.
4.2.18	Contractor shall ensure that the pressure parts (panels as well as loose tubes) received at site, are covered with plastic caps/plugs at both ends. Contractor shall install such plastic caps/plugs for pressure part pipes/tubes/panels. Any requirement of plastic caps/plugs, shall be arranged by BHEL.
4.2.19	Duration for deployment of T&Ps for which separate monthly hiring rates will be paid AS PER "Table for Weightages/ Factors and BOQ of Chapter XIV SCHEDULE OF RATES & QUANTITIES" is tentative and may change as per requirement.
4.2.20	Mobilisation and demobilisation of all T&Ps shall strictly be done as per the instructions from BHEL. BHEL also reserves the right to direct the contractor to dis-continue/ de-mobilise

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– IV: T&PS AND MMES TO BE DEPLOYED BY CONTRACTOR

	any/all of these cranes within the contract period/extended contract period with 30 days (minimum) advance written notice without assigning any reason. No payment shall be made after, 'the notified date of demobilization/discontinuance by BHEL in its notice' or 'the actual date of demobilisation/discontinuance by contractor', whichever is earlier.
4.2.21	Medical/first aid centre/medicine purchased for emergency/doctor purpose along with ambulance services with fuel and operator (round the clock) shall be arranged by BHEL for handling medical emergencies. Cost against these facilities shall be distributed/shared among the vendors working in project Site proportionately based on contract value.
4.2.22	No payment shall be made for mobilisation and demobilisation of Cranes/ T&Ps, other than for which rate is specifically mentioned in BOQ.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter- V: T&Ps & MMEs to be deployed by BHEL on sharing basis

5.0	LIST OF T&P TO BE PROVIDED BY BHEL FREE OF HIRE CHARGES ON SHARING BASIS:			
5.1	SN	DESCRIPTION	QUANTITY	REMARKS
5.1	1	CRAWLER/MOBILE CRANE OF ANY CAPACITY (75/80 MT or above) if required	As per requirement	BASED ON WORK REQUIREMENT BHEL SHALL DEPLOY CRANE OVER AND ABOVE VENDOR DEPLOYED CRANES W.R.T. 4.1.1 OF TCC.
5.2	<p>Note:</p> <ol style="list-style-type: none"> 1. The cranes may be BHEL owned or may be obtained on hiring basis including operating and maintenance crew. 2. Operator and O&M for BHEL owned crane will be provided by BHEL. 3. Operator and O&M for hired crane will be provided by the hiring agency. 4. Contractor shall provide the fuel for BHEL (Hired/owned) provided cranes for his use. 5. Contractor shall provide necessary manpower assistance for initial and final assembly & dismantling and for subsequent operations of boom extension and reduction during execution of work. Contractor shall also make necessary arrangements like laying of special sleeper beds and steel plates (material shall be provided by BHEL) for movement and operation of the crane. 6. Above crane will be provided by BHEL for unloading of Major ODC or Heavy consignments where contractor's crane is not capable of doing the mentioned scope of work. 			
5.3	Cranes provided by BHEL will be on sharing basis with other agencies / contractors of BHEL. The allocation of cranes shall be the discretion of BHEL engineer, which shall be binding on the contractor. Cranes will be deployed at appropriate time as decided by BHEL for suitable duration and intended purpose. Augmentation of BHEL T & P under special circumstances shall be discretion of BHEL.			

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter- VI: TIME SCHEDULE

6.0	Time Schedule and Mobilization:
6.1	Initial Mobilization After issue of LOA (through Fax/courier/email) the contractor shall report to the Construction Manager/Site In-Charge of BHEL at site within seven (07) days from date of LOA and submit detailed mobilization plan to start work within 15 days from date of LOA; unless otherwise instructed by BHEL in writing. The date of "START OF CONTRACT PERIOD" shall be mutually agreed date between bidder and BHEL engineer in charge.
6.2	AUGMENTATION OF MOBILISATION Contractor shall subsequently augment his resources in such a manner that daily errands/activities shall be completed on daily basis and the entire work is completed within the time schedule/contract period. Mobilization of contractor's resources shall be made and augmented from time to time in such a manner that the work in scope is carried out in an uninterrupted manner.
6.3	CONTRACT PERIOD The contract period for completion of entire work under scope shall be 48 (Forty-Eight) months from the "START OF CONTRACT PERIOD". If work is not completed with-in the contract period, the contract may be extended at the discretion of BHEL.
6.4	BHEL Engineer shall certify to the contractor the date on which the work is completed and the date thereof for commencement of Guarantee Period for good workmanship and contractor shall rectify free of cost all defects due to faulty work under their scope during the guarantee period. Guarantee Period shall be as given in GCC.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

7.0	Terms of Payment:																																																										
	<p>WORK OF RECEIPT, UNLOADING, VERIFYING, SHIFTING, STACKING, PRESERVATION, HANDLING AND HANDING OVER OF COMPONENTS OF BOILER WITH AUXILIARIES INCLUDING MILLS & FEEDERS ETC.; ESP WITH AUXILIARIES, STEAM TURBINE & AUXILIARIES; TURBO-GENERATOR & AUXILIARIES; PUMPS WITH AUX., ROTATING MACHINES, TANKS & VESSELS, COMPLETE ELECTRICAL, CONTROLS AND INSTRUMENTATION EQUIPMENTS, PANELS, CABLES / CABLE TRAYS, AND OTHER RELATED ITEMS INCLUDING ITEMS OF BOILER, TG & OTHER MISCELLANEOUS PACKAGES; HP&LP PIPING; REFRACTORY & INSULATION WITH CLADDING MATERIALS; BHEL T&P; COMPONENTS & EQUIPMENT OF VARIOUS OTHER SYSTEMS, PRE-FABRICATED STRUCTURES, STRUCTURAL & REINFORCEMENT STEEL, CEMENT SUPPLY INSTALLATION AND MAINTENANCE OF CCTV CAMERA AND PROVIDING SERVICES FOR MATERIALS MANAGEMENT AMARKANTAK TPS, UNIT-6 (1X660 MW), CHACHAI, M.P, INDIA.</p>																																																										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">ITEM NO</th> <th style="width: 55%;">DESCRIPTION OF ACTIVITY</th> <th style="width: 10%;">UNIT</th> <th style="width: 10%;">QTY</th> <th style="width: 15%;">% BREAK UP</th> </tr> </thead> <tbody> <tr> <td colspan="5">Section A1</td> </tr> <tr> <td>A1.1</td> <td><i>Material Handling and Material Management for Materials received through Trucks/Trailers at Project Site.</i></td> <td>MT</td> <td>78150</td> <td>100%</td> </tr> <tr> <td>1</td> <td>Unloading, Shifting to Open/Covered Stores.</td> <td>MT</td> <td>78150</td> <td>30%</td> </tr> <tr> <td>2</td> <td>Updation of Receipt details, in store Material Registers/BHEL MM Package system.</td> <td>MT</td> <td>78150</td> <td>15%</td> </tr> <tr> <td>3</td> <td>Stacking and Verification.</td> <td>MT</td> <td>78150</td> <td>15%</td> </tr> <tr> <td>4</td> <td>Updation of Verification details in Material stock registers, Submission of reports as per specified formats for shortage/open delivery, lodging of police reports if required, documents for insurance claims Etc, and preparation of Material Receipt Certificates (MRC) in prescribed formats where ever applicable.</td> <td>MT</td> <td>78150</td> <td>25%</td> </tr> <tr> <td>5</td> <td>Identification of material in ready to lift position for issue to BHEL/ Erection agency, and updation of issue details in stores Records.</td> <td>MT</td> <td>78150</td> <td>12%</td> </tr> <tr> <td>6</td> <td>Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)</td> <td>MT</td> <td>78150</td> <td>3%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>A1.2</td> <td><i>Material Handling and Material Management for Materials received through Railway Wagons at Railway Siding/Station/Godown.</i></td> <td>MT</td> <td>1000</td> <td>100%</td> </tr> </tbody> </table>				ITEM NO	DESCRIPTION OF ACTIVITY	UNIT	QTY	% BREAK UP	Section A1					A1.1	<i>Material Handling and Material Management for Materials received through Trucks/Trailers at Project Site.</i>	MT	78150	100%	1	Unloading, Shifting to Open/Covered Stores.	MT	78150	30%	2	Updation of Receipt details, in store Material Registers/BHEL MM Package system.	MT	78150	15%	3	Stacking and Verification.	MT	78150	15%	4	Updation of Verification details in Material stock registers, Submission of reports as per specified formats for shortage/open delivery, lodging of police reports if required, documents for insurance claims Etc, and preparation of Material Receipt Certificates (MRC) in prescribed formats where ever applicable.	MT	78150	25%	5	Identification of material in ready to lift position for issue to BHEL/ Erection agency, and updation of issue details in stores Records.	MT	78150	12%	6	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	78150	3%						A1.2	<i>Material Handling and Material Management for Materials received through Railway Wagons at Railway Siding/Station/Godown.</i>	MT	1000	100%
ITEM NO	DESCRIPTION OF ACTIVITY	UNIT	QTY	% BREAK UP																																																							
Section A1																																																											
A1.1	<i>Material Handling and Material Management for Materials received through Trucks/Trailers at Project Site.</i>	MT	78150	100%																																																							
1	Unloading, Shifting to Open/Covered Stores.	MT	78150	30%																																																							
2	Updation of Receipt details, in store Material Registers/BHEL MM Package system.	MT	78150	15%																																																							
3	Stacking and Verification.	MT	78150	15%																																																							
4	Updation of Verification details in Material stock registers, Submission of reports as per specified formats for shortage/open delivery, lodging of police reports if required, documents for insurance claims Etc, and preparation of Material Receipt Certificates (MRC) in prescribed formats where ever applicable.	MT	78150	25%																																																							
5	Identification of material in ready to lift position for issue to BHEL/ Erection agency, and updation of issue details in stores Records.	MT	78150	12%																																																							
6	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	78150	3%																																																							
A1.2	<i>Material Handling and Material Management for Materials received through Railway Wagons at Railway Siding/Station/Godown.</i>	MT	1000	100%																																																							
7.1																																																											

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

1	Unloading from Railway wagons or collection from godowns, Re-loading, transportation to site and unloading	MT	1000	30%
2	Updation of Receipt details, in store Material Registers/BHEL MM Package system	MT	1000	15%
3	Stacking and Verification	MT	1000	15%
4	Updation of Verification details in Material stock registers, Submission of reports as per specified formats for shortage/open delivery, lodging of police reports if required, documents for insurance claims Etc, and preparation of Material Receipt Certificates (MRC) in prescribed formats where ever applicable	MT	1000	25%
5	Identification of material in ready to lift position for issue to BHEL/ Erection agency, and updation of issue details in stores Records	MT	1000	12%
6	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	1000	3%
A1.3	<i>Material Handling and Material Management for Materials received at Transporters Godowns within a radius of 50 KM from Project Site</i>	MT	1000	100%
1	Unloading /Collection from Godowns, Re-loading, transportation to site and unloading	MT	1000	30%
2	Updation of Receipt details, in store Material Registers/BHEL MM Package system	MT	1000	15%
3	Stacking and Verification	MT	1000	15%
4	Updation of Verification details in Material stock registers, Submission of reports as per specified formats for shortage/open delivery, lodging of police reports if required, documents for insurance claims Etc, and preparation of Material Receipt Certificates (MRC) in prescribed formats where ever applicable	MT	1000	25%
5	Identification of material in ready to lift position for issue to BHEL/ Erection agency, and updation of issue details in stores Records	MT	1000	12%
6	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	1000	3%

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

A1.4	<i>Material Handling and Material Management for Structural steel*, Deck sheet, Cladding sheet and Reinforcement steel received through trucks/trailers at project Site</i>	MT	9758	100%
1	Unloading, Shifting to Open/Covered Stores	MT	9758	30%
2	Updation of Receipt details, in store Material Registers/BHEL MM Package system	MT	9758	15%
3	Stacking and Verification	MT	9758	15%
4	Updation of Verification details in Material stock registers, Submission of reports as per specified formats for shortage/open delivery, lodging of police reports if required, documents for insurance claims Etc, and preparation of Material Receipt Certificates (MRC) in prescribed formats where ever applicable	MT	9758	25%
5	Identification of material in ready to lift position for issue to BHEL/ Erection agency, and updation of issue details in stores Records	MT	9758	12%
6	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	9758	3%
A1.5	<i>Material (other than Cement) re-shifting and re stacking within project premises</i>	MT	5000	100%
1	Material Re-shifting Stacking	MT	5000	85%
2	Updation of store material register / BHEL MM package system	MT	5000	12%
3	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	5000	3%
A1.6	<i>Despatch/Outgoing materials (other than Cement)</i>	MT	2000	100%
1	Identification of Material, Tagging, Packing if required, Preparation of Gate passes etc.	MT	2000	40%

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

2	Loading of materials, including T&P of BHEL, into trucks/Carriers at site stores/ erection site for onward transportation to other destinations (Transportation by other agencies)	MT	2000	45%
3	Updation of store material register / BHEL MM package system	MT	2000	12%
4	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	2000	3%
Section A2				
A2.1	Material Management for: i) Cement received through trucks/trailers in bulkers/bags at project Site (Where unloading of Cement is not in scope of MM agency) ii) Reinforcement Steel / Structural steel (raw) received at project Site (Where unloading of Reinforcement/ Structural steel is done by Civil/other agency)	MT	75995	100%
1	Updation of Receipt details, in store Material Registers/BHEL MM Package system	MT	75995	50%
2	Verification	MT	75995	20%
3	Updation of Verification details in Material stock registers, Submission of reports as per specified formats for shortage/open delivery, lodging of police reports if required, documents for insurance claims Etc, and preparation of Material Receipt Certificates (MRC) in prescribed formats where ever applicable	MT	75995	27%
4	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	75995	3%
Section A2.1(a)				
A2.1(a)	<i>Material Handling and Material Management for Cement received through trucks/trailers in bags at project Site</i>	MT	1000	100%
1	Unloading, Shifting to Covered Stores	MT	1000	30%

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

2	Updation of Receipt details, in store Material Registers/BHEL MM Package system	MT	1000	15%
3	Stacking and Verification	MT	1000	15%
4	Updation of Verification details in Material stock registers, Submission of reports as per specified formats for shortage/open delivery, lodging of police reports if required, documents for insurance claims Etc, and preparation of Material Receipt Certificates (MRC) in prescribed formats where ever applicable	MT	1000	25%
5	Identification of material in ready to lift position for issue to BHEL/ Erection agency, and updation of issue details in stores Records	MT	1000	12%
6	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	1000	3%
A2.2	<i>Material re-shifting and re-stacking for Cement within project premises</i>	MT	500	100%
1	Material Re-shifting Stacking	MT	500	85%
2	Updation of store material register / BHEL MM package system	MT	500	12%
3	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	500	3%
A2.3	<i>Despatch/Outgoing for Cement bag materials</i>	MT	100	100%
1	Identification of Material, Tagging, packing if required, Preparation of Gate passes etc.	MT	100	40%
2	Loading of Cement bags/materials into trucks/Carriers at site stores/ erection site for onward transportation to other destinations (Transportation by other agencies)	MT	100	45%
3	Updation of store material register / BHEL MM package system	MT	100	12%
4	Completion of contractual obligations as Serial No. 7.5 (7.5.1, 7.5.2, 7.5.3 and 7.5.4)	MT	100	3%
Section A.3	<i>Operation and maintenance of weighbridge</i>	Unit	Duration	

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

A.3.1	For 100 MT capacity	Months	46
--------------	---------------------	---------------	----

Section B: Cranes			
SN	Crane description	Unit	Duration
B.1	<i>Pick and Carry Crane 23 MT (In Months) (duration noted is for two cranes)</i>	Months	88
B.2	<i>Pick & Carry Crane 40 MT (In Months)</i>	Months	42
B.3	<i>Forklift 5 Ton capacity with 3M lift (In Months)</i>	Months	24
B.4	(a) 75MT/80 MT Basic Capacity Tyre Mounted Crane	Months	28
	(b) One Time Mobilisation and Demobilisation charges of above mentioned 75MT/ 80MT Crane	1 LOT	One Time

Section C: Menial and Secretarial Services (Unit Rate Fixed as per minimum wages circular)					
SN	Description	Unit	Duration	Unit Rate	Total Amount (In Rs)
C.1	<i>Menial Services (unskilled)</i>	Man-Months	276	₹ 17,120	₹ 47,25,120.00
C.2	<i>Secretarial Services (Skilled)</i>	Man-Months	368	₹ 20,970	₹ 77,16,960.00
C.3	<i>Menial Services (Unskilled) - for Grass cutting</i>	Man Months	80	₹ 17,120	₹ 13,69,600.00

ITEM NO	DESCRIPTION OF ACTIVITY	UNIT	QTY	% BREAK UP
Section D: Supply and installation of CCTV system for storage space				
D.1	<i>Supply and Installation of all hardware and software of the IP based PTZ dome camera along with p2p/PMP Outdoor CPE Antenna for wireless communication surveillance system including for storage space.</i>	Nos.	4	100
1	Completion of supply of all hardware required for the entire contract and acceptance by BHEL official	Nos.	4	70%
2	Completion of installation of the entire CCTV system including display unit with demonstration to BHEL	Nos.	4	30%
D.2	<i>Supply and Installation of all hardware and software of the IP based Fixed bullet camera along with p2p/PMP Outdoor CPE Antenna for wireless communication surveillance system including for storage space.</i>	Nos.	40	100%

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

1	Completion of supply of all hardware required for the entire contract and acceptance by BHEL official	Nos.	40	70%
2	Completion of installation of the entire CCTV system including display unit with demonstration to BHEL	Nos.	40	30%
D.3	<i>Supply and Installation of LED Display Screen – Min. 50" with integration capabilities with CCTV system</i>	Nos.	2	100%
1	Completion of supply of all hardware required for the entire contract and acceptance by BHEL official	Nos.	2	70%
2	Completion of installation of the entire CCTV system including display unit with demonstration to BHEL	Nos.	2	30%
Section E: Comprehensive maintenance of the CCTV system for storage space				
E.1	<i>Comprehensive maintenance of the CCTV system</i>	Months	46	100%
Note: The quantities mentioned above are tentative in nature and may vary to any extent.				
7.2	<i>Structural Steel*</i> - Payment terms for materials supplied by BHEL Manufacturing Unit & Shop Fabricated Structure shall be covered under Item no A1.1 whereas Item A1.4. shall be applicable for supplies of material other than BHEL Manufacturing Units/ Shop fabricated Structure.			
7.3	<p>During loading of material which are issued to erection agencies, it shall be responsibility of erection agency to put back/ re-stack the balance materials in case stack is disorganized while taking materials. In case the same is not done by the erection agency, it shall be responsibility of MM agency to re-stack the material with due intimation to BHEL in writing with possible evidence or on direction of BHEL Engineer. In such cases, the cost of restacking shall be governed by clause no.7.1, Sl. no. A1.5 & A2.2 respectively. However, since re-shifting shall not be involved in these cases so, 50% of A1.5 (1) & 100% of A1.5 (3) shall only be payable. A1.5 (2) shall not be considered payable. Similar methodology for payment shall be applicable for cases under A2.2.</p> <p>However, on BHEL inspection if it is found that the materials are lying disorganised/unstacked and the same has not been reported by MM agency due to negligence, then in that case the MM agency shall restack the material at their own cost.</p>			
7.4	Void			

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

7.5	<p>7.5 Other payment terms & condition</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">7.5</td> <td style="width: 70%;">OTHER payment terms & condition</td> <td style="width: 20%;"></td> </tr> <tr> <td></td> <td>% from every RA Bill to be paid only after satisfactory completion otherwise forfeited</td> <td></td> </tr> <tr> <td style="text-align: center;">7.5.1</td> <td>HOUSEKEEPING & CLEANING OF ALL CLOSED SHEDS</td> <td style="text-align: center;">1%</td> </tr> <tr> <td style="text-align: center;">7.5.2</td> <td>PRESERVATION PLANNED FOR THE MONTH</td> <td style="text-align: center;">0.5%</td> </tr> <tr> <td style="text-align: center;">7.5.3</td> <td>Safe working at the place of work</td> <td style="text-align: center;">0.5%</td> </tr> <tr> <td style="text-align: center;">7.5.4</td> <td>Implementation of E-stores for records/data</td> <td style="text-align: center;">1%</td> </tr> <tr> <td></td> <td>TOTAL</td> <td style="text-align: center;">3%</td> </tr> </table> <p>Note: The aforementioned payment of 3% is within the 100% payment as mentioned in clause 7.1 above.</p>	7.5	OTHER payment terms & condition			% from every RA Bill to be paid only after satisfactory completion otherwise forfeited		7.5.1	HOUSEKEEPING & CLEANING OF ALL CLOSED SHEDS	1%	7.5.2	PRESERVATION PLANNED FOR THE MONTH	0.5%	7.5.3	Safe working at the place of work	0.5%	7.5.4	Implementation of E-stores for records/data	1%		TOTAL	3%
7.5	OTHER payment terms & condition																					
	% from every RA Bill to be paid only after satisfactory completion otherwise forfeited																					
7.5.1	HOUSEKEEPING & CLEANING OF ALL CLOSED SHEDS	1%																				
7.5.2	PRESERVATION PLANNED FOR THE MONTH	0.5%																				
7.5.3	Safe working at the place of work	0.5%																				
7.5.4	Implementation of E-stores for records/data	1%																				
	TOTAL	3%																				
7.6	<p>Cranes (For Section B)</p> <p>Payment for Cranes shall be made on monthly basis on actual deployment basis as per the awarded monthly rate against each crane. For “75MT/80 MT Basic Capacity Crane”, <i>One Time Mobilisation and Demobilisation charges shall be paid</i>. Payment towards mobilization and demobilisation of 75MT/80 MT crane shall be made in the manner as specified below:</p> <p>(a) First 50% of the specified amount for mobilization and demobilization will be paid after deployment of the crane complete in all respects including all assemblies, sub-assemblies, accessories & components, assembly of crane as required by BHEL and BHEL’s acceptance of load test of assembled crane at site.</p> <p>(b) Remaining 50% of the specified amount for mobilization and demobilization will be paid after demobilization of the crane from the project site and clearing the site premises in all respect pertaining to the T&P. Cost of demobilisation shall however not be paid if crane is made to be demobilised due to its in-effectiveness or termination of contract etc</p> <p>No other payment shall be paid for the other T & Ps deployed for carrying out the work as per the scope of this tender. Price variation compensation and Overrun compensation will not be applicable for items in Sec-B. One Month for Section-B shall be 30 days of working.</p>																					
7.7	<p>Menial, Secretarial & Grass Cutting Services: (For Section C)</p> <p>Payment for Menial, Secretarial & Grass Cutting Services shall be made on monthly basis on actual deployment as per the awarded monthly rate against each head. These services may be used for BHEL Offices, stores, site offices, establishments etc. as decided by BHEL.</p> <p>Payment for the same shall be made as per the service-month rate fixed in item no C.1 to C.3 of rate schedule Section -C Terms of Payment, on pro-rata basis as at actuals.</p> <p>The actual requirement of manpower shall be discussed and finalized with engineer in-charge before start of the works.</p>																					

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

	<p>Presently, rates fixed are on the basis of total minimum wages circular by State Government and the same shall be revised at times when it is changed by the Government / Customer, as applicable for Project. As such, during execution of the job the rates against Menial and secretarial services shall be regulated as per applicable wages circular issued by Customer from time to time.</p> <p>Therefore, Price variation compensation and Overrun compensation will not be applicable for items in Sec-C.</p> <p>Payment against items in Section C of Chapter-XIV Schedule of Rates and Quantities shall be calculated & paid in following manner;</p> <ul style="list-style-type: none"> • Per service month rate (for Unskilled Services) = Factor (G) x minimum wages per month (rounded to next higher fifty value) • Per service month rate (for Skilled Services) = Factor (G) x minimum wages per month (rounded to next higher fifty value) <p>Minimum wages per month = Daily Rate Minimum Wage per day (rounded value) x 26 Days.</p> <p>In case the monthly minimum wage (considering 26 days in a month) is less than Rs.21,000/- (or the limit as per extant guideline) the Factor (G) shall be 1.41, however, if the monthly minimum wage (considering 26 days in a month) is equal to or more than Rs. 21,000/- (or the limit as per extant guideline) the Factor (G) shall be reduced by 0.12 (For non-applicability of ESI – 0.036 & for non-applicability of Bonus – 0.084), Accordingly the Factor (G) shall be 1.29.</p> <p>Factor (G), for Unskilled Manpower and Skilled Manpower has been calculated taking in to account applicable statutory benefits such as PF, ESI, Bonus, Uniform, Leave pay, Overhead & Profit. In case of any change in wages/ guidelines, extant applicable guidelines shall be followed while calculating the factors (G).</p> <p>During the extended period of contract, above services, for BHEL office and stores, site offices, establishments etc. shall be provided by the contractor as per the instruction of BHEL site-in-charge. Rates during extended period shall be followed as above.</p> <p>Note: BHEL at its sole discretion reserves the right to re-shuffle the work allocation of the personnel deployed for menial and secretarial services.</p> <p>In case the contractor does not deploy or delays deployment of above said manpower with reference to specific instructions from BHEL, BHEL will levy penalty for delay in the following manner:</p> <ol style="list-style-type: none"> A. Supervision/secretarial services @ Rs100 per service-day. B. Menial services for BHEL office and stores etc. @ Rs 100 per service-day. C. Menial services for Grass Cutting @ Rs 100 per service-day.
7.8	<i>Section A.3-Operation and maintenance of weighbridge</i>

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

	<p>It may be noted that BHEL shall install 01 nos. of Weighbridges of 100MT. Payment for Operation and maintenance of weighbridges shall be made on monthly basis on actuals as per the awarded monthly rate.</p> <p>BHEL shall install and calibrate the weighbridge (one time only) and spares of all major repairs shall be in BHEL scope. Further, Preventive maintenance, further calibration and manpower for repairs shall be in Contractor’s scope. Contractor shall provide One Computer Operator/ Supervisor in control room for each weighbridge for two shifts (i.e. one for Morning and other for evening).</p>
7.9	<p>Supply and installation of CCTV system (For Section -D)</p> <p>The supply and installation of entire component of the CCTV system shall be completed within the Three month from the date of intimation by BHEL construction Manager /EIC (refer Chapter XIII for detail). CCTV system shall include all the necessary hardware and software required for the cameras as mentioned in clause no. 2.2.18 and Chapter XIII or elsewhere in TCC. Price variation compensation and Overrun compensation will not be applicable for items in Sec-D.</p>
7.10	<p>Comprehensive maintenance of CCTV system (For Section -E)</p> <p>Price variation compensation and Overrun compensation will not be applicable for items in Sec-E.</p>
7.11	<p>Progressive Payment/ Final Payment: The payments for works under the scope of this contract shall be as per Clause 16.10 of TCC and clause no 2.6; 2.22; 2.23 of General Conditions of Contract. <i>All documents like HR Clearance, Quality and Safety Compliances, etc. required for processing the RA Bills should be submitted along with RA Bills.</i></p>
7.11.1	<p><u>Documents required for RA Bill:</u></p> <p>GST Complied Invoice of the work done as per approved BBU. WAM -6 for RA Bill. Jointly signed Measurement sheet. Power of Attorney before submission of Bill. Validity of Bank Guarantees as applicable under the contract.</p> <p><u>HR/IR compliance documents:</u></p> <ol style="list-style-type: none"> i. Wages payment sheet as per applicable minimum wages. ii. Proof of PF contribution submission. iii. Proof of ESI/ WC contribution submission iv. Proof of Bonus payment as per Bonus Act if applicable. v. Proof of EL payment if applicable. vi. Any other statutory document if applicable.
7.11.2	<p><u>Documents required for Final Bill:</u></p> <p>The final bill is drawn as soon as the entire work is completed. From the final amount due, all amounts already claimed up to the previous running account bill will be deducted. It should be ensured that in the final bill the following additional particulars have been provided:</p> <ul style="list-style-type: none"> • Final Bill in WAM-7 Format. • ‘No claim’ certificate from the contractor.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter– VII: Terms of Payment

	<ul style="list-style-type: none"> • Clearance certificates where ever applicable viz. Clearance Certificates from Customer, various Statutory Authorities like Labour department, PF Authorities, Commercial Tax department etc. • Final Material re-conciliation statement duly approved by BHEL. • Indemnity Bond as per prescribed format. • Deviation statement showing the difference between the actuals and as per the contract. • Final Delay Analysis.
7.12	<p>SECURED RECOVERABLE ADVANCES:</p> <p>Interest Free Secured Mobilization Advance as per GCC Clause No.2.13.1: Interest Free Mobilization Advance shall be disbursed in following mentioned stages of major resource mobilization as specified hereunder:</p> <ol style="list-style-type: none"> 1. For Mobilization and installation of Site Infrastructure by contractor i.e. site office, stores etc-1% 2. For Mobilization of 75/80 MT Crane and 40MT Crane at site to start the work - 2% 3. For Mobilization of other required T&Ps, resources and consumables - 2% <p>Note:</p> <ol style="list-style-type: none"> 1. BHEL Site-CM shall be the certifying authority for assessing the admissibility of advance to contractor.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter- VIII: Taxes & Duties

8.0	TAXES & DUTIES
8.1	<p>The contractor shall pay all (save the specific exclusions as enumerated in this clause) taxes, fees, license, charges, deposits, duties, tools, royalty, commissions, other charges, etc. which may be levied on the input goods & services consumed and output goods & services delivered in course of his operations in executing the contract. In case BHEL is forced to pay any of such taxes/duties, BHEL shall have the right to recover the same from his bills or otherwise as deemed fit.</p> <p>However, provisions regarding GST on output supply (goods/service) and TDS/TCS as per Income Tax Act shall be as per following clauses.</p>
8.2	GST (Goods and Services Tax)
8.2.1	GST as applicable on output supply (goods/services) are excluded from contractor's scope; therefore, contractor's price/rates shall be exclusive of GST. Reimbursement of GST is subject to compliance of following terms and conditions. BHEL shall have the right to deny payment of GST and to recover any loss to BHEL on account of tax, interest, penalty etc. for non-compliance of any of the following condition.
8.2.2	The admissibility of GST, taxes and duties referred in this chapter or elsewhere in the contract shall be limited to direct transactions between BHEL & its Contractor. BHEL shall not consider GST on any transaction other than the direct transaction between BHEL & its Contractor.
8.2.3	Contractor shall obtain prior written consent of BHEL before billing the amount towards such taxes. Where the GST laws permit more than one option or methodology for discharging the liability of tax/levy/duty, BHEL shall have the right to adopt the appropriate one considering the amount of tax liability on BHEL/Client as well as procedural simplicity with regard to assessment of the liability. 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.
8.2.4	Contractor has to submit GST registration certificate of the concerned state. Contractor also needs to ensure that the submitted GST registration certificate should be in active status during the entire contract period.
8.2.5	Contractor/Vendor has to issue Invoice/Debit Note/Credit Note 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.
8.2.6	Vendor has to submit GST compliant invoice within 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 to enable BHEL to meet its GST related compliances. Special care should be taken in case of month end transactions.
8.2.7	Vendor has to ensure that invoice in respect of such services which have been provided/completed on or before end of the month should not bear the date later than last working day of the month in which services are performed.
8.2.8	<p>Subject to other provisions of the contract, GST amount claimed in the invoice shall be released on fulfilment of all the following conditions by the Contractor: -</p> <ol style="list-style-type: none"> a. Supply of goods and/or services have been received by BHEL. b. Original Tax Invoice has been submitted to BHEL. c. Contractor/ Vendor has submitted all the documents required for processing of bill as per contract/ purchase order/ work order. d. In cases where e-invoicing provision is applicable, vendor/contractor is required to submit invoice in compliance with e-invoicing provisions of GST Act and Rules made thereunder.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter- VIII: Taxes & Duties

	<p>e. Contractor has filed all the relevant GST return (e.g. GSTR-1, GSTR-3B, etc.) pertaining to the invoice submitted and submit the proof of such return along with immediate subsequent invoice. In case of final invoice/ bill, contractor has to submit proof of such return within fifteen days from the due date of relevant return.</p> <p>f. Respective invoice has appeared in BHEL's GSTR - 2A for the month corresponding to the month of invoice and in GSTR-2B of the month in which such invoices has been reported by the contractor along with status of ITC availability as "YES" in GSTR-2B. 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> <p>g. Contractor has to submit an undertaking confirming the payment of all due GST in respect of invoices pertaining to BHEL.</p>
8.2.9	Any financial loss arises to BHEL on account of failure or delay in submission of any document as per contract/purchase order/work order at the time of submission of Tax invoice to BHEL, shall be deducted from contractor's bill or otherwise as deemed fit.
8.2.10	TDS as applicable under GST law shall be deducted from contractor's bill.
8.2.11	Contractor shall comply with the provisions of e-way bill wherever applicable. Further wherever provisions of GST Act permits, all the e-way bills, road permits etc. required for transportation of goods needs to be arranged by the contractor.
8.2.12	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.
8.2.13	In case declaration of any invoice is delayed by the vendor in his GST return or any invoice is subsequently amended/alterd/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 Contractor's due payment.
8.2.14	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 Contractor.
8.2.15	In the event of any ambiguity in GST law with respect to availability of input credit of GST charged on the invoice raised by the contractor or with respect to any other matter having impact on BHEL, BHEL's decision shall be final and binding on the contractor.
8.2.16	<p><u>Variation in Taxes & Duties:</u></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</p>

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter- VIII: Taxes & Duties

	for any such impact after opening the price bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.
8.3	<u>Income Tax:</u> TDS/TCS as applicable under Income Tax Act, 1961 or rules made thereunder shall be deducted/collected from contractor's bill.

8.4 BOCW Act & Cess Act

8.4.1 BOCW Cess is not to be borne by contractor. Refer Annexure-I for BOCW Act & Cess Act.

Annexure-I:	
Bidder may please note that the sub-contractor/bidder of BHEL engaging building or construction worker in connection with building or other construction work, are required to follow the procedures enumerated below:	
1.	It shall be the sole responsibility of the contractor as employer to ensure compliance of all the statutory obligations under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 and the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder.
2.	It shall be sole responsibility of the contractor engaging Building Workers in connection with the building or other construction works in the capacity of employer to apply and obtain registration certificate specifying the scope of work under the relevant provisions of the Building and Other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 from the appropriate Authorities.
3.	It shall be responsibility of the contractor to furnish a copy of such Registration Certificate within a period of one month from the date of commencement of Work.
4.	It is responsibility of the contractor to register under the Building and other Construction Workers' Welfare Cess Act, 1996 and deposit the required Cess for the purposes of the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 at such rate as the Central Government may, by notification in the Official Gazette, from time to time specify. However, before registering and deposit of Cess under the Building and other Construction Workers' Welfare Cess Act, 1996, the contractor will seek written prior approval from the Construction Manager.
5.	It shall be sole responsibility of the contractor as employer to get registered every Building Worker, who is between the age of 18 to 60 years of age and who has been engaged in any building or other construction work for not less than ninety days during the preceding twelve months as Beneficiary under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996.
6.	It shall be sole responsibility of the contractor as employer to maintain all the registers, records, notices and submit returns under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 and the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter- VIII: Taxes & Duties

7.	It shall be sole responsibility of the contractor as employer to provide notice of poisoning or occupation notifiable diseases, to report of accident and dangerous occurrences to the concerned authorities under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 and the rules made thereunder and to make payment of all statutory payments & compensation under the Employees' Compensation Act, 1923.
8.	It shall be the responsibility of the sub-contractor as employer to make payment/deposit of applicable cess amount on the extent of work involving building or construction workers engaged by the sub-contractor within a period of one month from the receipt of payment. It shall also be responsibility of the Contractor to furnish BHEL on monthly basis, Receipts/ Challans towards Deposit of the Cess under the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder along with following statistics: (i) Number of Building Workers employed during preceding one month. (ii) Number of Building workers registered as Beneficiary during preceding one month. (iii) Disbursement of Wages made to the Building Workers for preceding wage month. (iv) Remittance of Contribution of Beneficiaries made during the preceding month
9.	BHEL shall reimburse the contractor the Cess amount deposited for the purposes of the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 under the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder. However, BHEL shall not reimburse the Fee paid towards the registration of establishment, fees paid towards registration of Beneficiaries and Contribution of Beneficiaries remitted.
10.	It shall be responsibility of the Building Worker engaged by the Contractor and registered as a beneficiary under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 to contribute to the Fund at such rate per mensem as may be specified by the State government by notification in the Official Gazette. Where such beneficiary authorizes the contractor being his employer to deduct his contribution from his monthly wages and to remit the same, the contractor shall remit such contribution to the Building and other construction Workers' Welfare Board in such manner as may be directed by the Board , within the fifteen days from such deduction.
11.	Bidders may please note that though the quoted price is exclusive of BOCW (which will be reimbursed by BHEL as per sub-clause 9 above) , however, If at any point of time during the contract period, non-compliance of the provisions of the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 and the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder is observed, BHEL reserves the right to deduct the applicable cess (1%) on the contract value and penalty (if any, imposed by Cess Authorities) from the payables on account of non-compliance.
12.	The contractor shall declare to undertake any liability or claim arising out of employment of building workers and shall indemnify BHEL from all consequences / liabilities / penalties in case of non-compliance of the provisions of the Building and other Construction Workers' (Regulation

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter- VIII: Taxes & Duties

	of Employment and Conditions of Service) Act, 1996 and the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder.
--	-----------------------------------------------------------------------------------------------------------------------------------------------------------

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter-IX : MATERIAL HANDLING & MATERIAL MANAGEMENT OF
MATERIAL RECEIVED BY ROAD

9.0	MATERIAL HANDLING & MATERIAL MANAGEMENT OF MATERIAL RECEIVED BY ROAD								
9.1	Majority of consignments shall reach site directly for delivery. However, a good number of consignments shall be booked on Godown delivery basis or door delivery against consignee copy basis, the procedure of material collection shall be adopted as detailed in relevant chapter.								
9.2	It will be responsibility of the contractor to keep in touch with officials of BHEL regarding advance information about arrival of consignments. The contractor shall collect lorry way bills or other such dispatch documents.								
9.3	The contractor shall remain in regular contact with the concerned transporters or based on the dispatch details obtained as stated above and make all necessary arrangements for collection / receipt of the consignment as applicable. Contractor shall take advance action to deploy all necessary resources for local transportation, handling and unloading of the anticipated consignments so as to ensure no loss of time upon arrival of the consignments								
9.4	<p>Payment of demurrage/ wharfage etc., which result due to contractor's fault, shall be the responsibility of contractor and to his account. If BHEL has to make payment of such demurrage/ wharfage together with freight (payment of freight alone is in BHEL scope), the amounts so paid as demurrage/wharfage for the reasons stated above shall be paid to BHEL by the contractor forthwith or shall be recovered from the bill payments due to the contractor.</p> <p>If it is found that handling and unloading of the consignment are delayed deliberately by contractor (i.e. delay is fully attributable to contractor), which may result in to long queuing of Lorries, penalty shall be imposed as per following:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">No. of Days of Deliberate Delay</th> <th style="text-align: center;">Rate of penalty in each case</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">03 to 05 days</td> <td style="text-align: center;">@Rs. 500 per day per truck/ lorry/ trailer</td> </tr> <tr> <td style="text-align: center;">06 to 10 days</td> <td style="text-align: center;">@Rs. 1000 per day per truck/ lorry/ trailer</td> </tr> <tr> <td style="text-align: center;">More than 10 days</td> <td style="text-align: center;">@Rs. 2000 per day per truck/ lorry/ trailer</td> </tr> </tbody> </table>	No. of Days of Deliberate Delay	Rate of penalty in each case	03 to 05 days	@Rs. 500 per day per truck/ lorry/ trailer	06 to 10 days	@Rs. 1000 per day per truck/ lorry/ trailer	More than 10 days	@Rs. 2000 per day per truck/ lorry/ trailer
No. of Days of Deliberate Delay	Rate of penalty in each case								
03 to 05 days	@Rs. 500 per day per truck/ lorry/ trailer								
06 to 10 days	@Rs. 1000 per day per truck/ lorry/ trailer								
More than 10 days	@Rs. 2000 per day per truck/ lorry/ trailer								
9.5	It would be the responsibility of the contractor to examine the packages, consignments etc. Immediately on arrival and bring to the notice of BHEL authorities regarding loss/damage/shortage/discrepancy, if any, observed in the consignments before taking delivery of the same								
9.6	Any discrepancy/shortage/damage found in the consignment after taking clean delivery from the carriers shall be the responsibility of contractor and the resultant loss to BHEL on such account shall be recoverable from the contractor due to negligence/ carelessness on the part of the contractor.								
9.7	Consignments are expected to arrive during any time of the day, and count down for detention/demurrage/wharfage charges is liable to start immediately. Unloading of such consignments may be necessitated even in the night or round the clock. Contractor shall arrange to deploy his resources immediately and continue round the clock on such occasions without any additional cost to BHEL. Contractor shall arrange all necessary resources including spot lighting for working at night. The contractor shall similarly unload consignments arriving on weekly off days and holidays.								

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter-IX : MATERIAL HANDLING & MATERIAL MANAGEMENT OF
MATERIAL RECEIVED BY ROAD

9.8	Unloading at storage area/work site, stacking and restacking if necessity arises, of all materials including heavy/sophisticated equipments like tubed wall panels of boiler, heavy motors, heavy bearing pedestals, electrical panels and TG equipment like heavy turbine components, pumps, panels, etc. Shall be done as per storage and preservation manual of relevant equipment/components of BHEL and/or as per directions of BHEL engineer.
9.9	The contractor shall verify the consignments in detail within 12 days of receipt and report the discrepancies in prescribed formats not later than 14th day . Any loss on account of delayed reporting shall be recoverable from contractor's bill/any payment due. Contractor shall arrange all facilities to open packages – where required in the presence of BHEL engineer, verify the contents, repack wherever and whenever called for and properly stack them as per storage manual or/and as may be directed by BHEL.
9.10	The material shall be so stacked that it should facilitate easy identification, retrieval and handling for issue as and when need arises.
9.11	<p>Pre-defined identification system of the locations of open storage yard, semi-closed shed, covered stores as well as storage racks has to be designed/prepared by the contractor with the approval of BHEL. Contractor shall put up prominent identification boards of segmental locations (for open and closed stores) or inscription (on the storage racks) with clear visibility from a distance. Contractor shall also arrange to display plot plan at regular intervals in the covered/semi-closed/open storage. The contractor shall arrange proper displays/signs for various requirements as per instructions of BHEL</p> <p>The display boards shall be made with structural steel & M.S. plates and shall be painted with synthetic enamel paint. Contractor shall have to periodically repeat such exercise as the original displays may get lost / damaged / deteriorate with time. All materials and consumables for this purpose shall be arranged by the contractor. Contractor shall have to make his own arrangements including supply of materials for displaying the proper identification tags, boards, marking, inscription etc. As scope of work.</p>
9.12	The contractor shall execute the work in a professional manner. The stores shall be handled with due care and diligence. The contractor at his own cost shall make good, any loss to BHEL due to contractor's lapse.
9.13	For all consignments, observations regarding loss/damage/shortage/ discrepancy is to be recorded in appropriate document and informed to BHEL. In case it becomes necessary to take ' OPEN DELIVERY ' from the authorities, contractor shall make all arrangements for taking open deliveries. All expenses connected therewith shall be to the account of contractor. Any loss that accrues to BHEL on account of such failures shall be debited to the contractor and recovery effected from his running bills.
9.14	<p>HANDLING HEAVIER CONSIGNMENTS:</p> <p>Contractor shall submit procedure with sketches of handling of all heavy components to BHEL well in advance and obtain prior approval before unloading and stacking.</p>

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-IX : MATERIAL HANDLING & MATERIAL MANAGEMENT OF MATERIAL RECEIVED BY ROAD

9.15	<p>Since this contract is intended to be a complete package from material receipt through issue/transactions right up to material reconciliation, full responsibility w.r.t the proper upkeep of facilities e.g. computers, stationary items; ensuring befitting discipline among the store assistants/staff under its control and accounting of materials on stock shall rest with the contractor at all times.</p> <p>In the remote possibility of any untraceable material, customarily BHEL has to process the insurance claim. To kick off such claim, the contractor shall render all necessary assistance including augmentation of documents (FIR etc) within the quoted price as may be required for realization of the insurance claim.</p>
9.16	<p>The contractor under this contract shall complete induction of following categories of resources within the quoted item rates, to ensure establishment of proper materials management at the project site</p>
9.16.1	<p>Computers and printers with latest up-gradation, memory and compatible with BHEL computers/LAN equipment to be installed/used within BHEL site office – Computer – 06 sets and Printer cum Scanner – 02 sets, Photocopier machine 1 No. & Hard disk – 02 no (for monthly backup of records).</p> <p>Computers and printers are envisaged for various Material Management activities such as record keeping/data entry done by bidder’s staff.</p> <p>These resources (i.e. computer/ printer cum scanner/ photocopier machine/ hard disk) shall remain contractor’s property/ownership for all legal/technical purposes. The resources as mentioned above shall remain at BHEL offices during the contract period/ extended period (if any). These shall be taken back by the contractor after completion of job or when requirement is over, as certified by BHEL Engineer, whichever is earlier.</p> <p>This facility has to be provided as directed by BHEL till completion of job or as decided by BHEL, as mentioned above. If contractor fails to provide mentioned resources as per requirement, for a continuous period of fifteen days or more, BHEL shall have the right to purchase it on behalf of contractor and recover the expenses incurred from the dues payable to contractor. Recoveries shall be actual expenses incurred plus 5% overheads.</p> <p>NOTE: The contractor shall provide above resources for carrying out functions/operations as stated above. The no. of resources indicated above is tentative and actual deployment may vary based on work load and site requirement. The requirement schedule shall be finalized in the beginning of the contract period/extension period with Engineer In-charge. Contractor shall ensure availability of resources during extension period as well. This does not absolve the contractor from his responsibility towards the satisfactory execution of the job.</p>

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter-IX : MATERIAL HANDLING & MATERIAL MANAGEMENT OF
MATERIAL RECEIVED BY ROAD

9.16.2	Item rate obtained in the “ TABLE FOR WEIGHTAGES/ FACTORS AND BOQ OF CHAPTER XIV SCHEDULE OF RATES & QUANTITIES ” has specific mention of “materials management” with sole purpose to emphasize the requirement of sufficient no. Of adequately qualified manpower to ensure best obtainable quality of work. Accordingly, supervisors/manpower (apart from workmen on cranes and material handling purpose) as indicated against each activity in the table below, normally to work at (but not limited to) BHEL site office
9.16.3	Contractor shall ensure availability of sufficient manpower, supervisor and T&Ps to execute the awarded work, to meet the site requirements. During peak stage no. of vehicle, pending for unloading, may go up to 80 nos. or above Per day.
9.17	RESPONSIBILITIES OF THE CONTRACTOR -
9.17.1	RECEIPT & ISSUE Scope includes execution of various activities as follows:
9.17.1.1	Receipt, unloading, carrying out receipt inspection, detailed verification, stacking and regular stock verification of materials at site.
9.17.1.2	Preparing various reports at appropriate stages and reporting damage/loss during receipt as well as storage and any other associated responsibility as assigned by BHEL from time to time. Responsibility shall include the following activities: <ul style="list-style-type: none"> i. Examination of incoming consignments to detect any loss or shortage or outward damage and recording it on the LR/LWB before making acknowledgement of it’s receipt from the transporter and simultaneously obtaining endorsement of the vehicle driver on the same. ii. Reporting such discrepancy to BHEL immediately on receipt of the consignment. iii. Assisting BHEL in lodging insurance claims in respect of loss/damage as stated above. iv. The Contractor shall actively assist and expedite the process of obtaining Material Receipt Certificates (MRCs) from the End Customer, i.e., CSPGCL in timely manner. Any delay in the submission/verification of the MRCs shall entitle BHEL to initiate appropriate contractual remedies as deemed necessary.
9.17.1.3	Issue of materials to BHEL’s erection contractors, preservation of stacked materials, re-stacking/re-handling as necessary, progressive and final reconciliation with BHEL’s erection agencies and preparation of necessary document/ record in respect of these activities.
9.17.1.4	Return of excess/defective materials by various erection contractors of BHEL
9.17.1.5	LOADING AND DISPATCH OF OUTGOING MATERIALS.
9.17.1.6	EXPECTED MINIMUM QUALITY OF SERVICE Contractor shall render the services by ensuring deployment of requisite personnel with adequate educational qualification having thorough experience in related field to enable

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter-IX : MATERIAL HANDLING & MATERIAL MANAGEMENT OF
MATERIAL RECEIVED BY ROAD

	<p>understanding the intricacies of and special requirements involved in handling of project materials, inconsistencies and uncertainties associated with in/out flow of materials, project activities at odd hours & holidays and irregular working hours. Contractor shall ensure prompt and timely availability of such services.</p>
<p>9.17.2</p>	<p><u>PRESERVATION OF COMPONENTS</u></p> <p>Contractor shall arrange for preservation of components as per BHEL’s storage and preservation manual and/or as per instructions of BHEL engineers.</p> <p>One or more of following methods shall be adopted for preservation.</p> <ol style="list-style-type: none"> 1) Coating with preservative paints/lubricant/inhibitors 2) Capping/wrapping/covering 3) Filling/immersion in oil/chemicals etc. 4) Periodic checks/maintaining required nitrogen pressure in tanks of transformers; BHEL will provide the nitrogen gas for the same. However, contractor shall handle the cylinders at stores, transport to point of use, fit-up refills and return empty cylinders to BHEL stores. 5) HT motors For preservation of HT motors, space heaters have to be kept energized to avoid ingress of moisture. Insulation resistance has to be measured and recorded at specified intervals till these are issued for erection. BHEL will provide necessary cables, switches etc. For this, however contractor shall install, operate and maintain the same. <p>BHEL WILL PROVIDE FREE OF COST ALL PRESERVATIVES LIKE PRESERVATIVE OIL, LUBRICANTS, CHEMICALS, INHIBITORS ETC EXCEPT PRIMERS & PAINTS. CONTRACTOR SHALL PROVIDE RED OXIDE ZINC CHROMATE (ROZC) PRIMER CONFORMING TO IS: 2074 OF REPUTED MANUFACTURES (E.G. ASIAN PAINTS, BERGER, JENSON & NICHOLSON, BOMBAY PAINTS, SHALIMAR OR ANY OTHER BHEL APPROVED MANUFACTURER) REQUIRED FOR PRESERVATION SHALL BE PROVIDED BY THE CONTRACTOR AND USED FOR THIS PURPOSE.</p> <p>In the process the identification marks, component/material codes, match marks may have to be repainted. This work after preservation components are to be stacked properly, periodical reports on the preservation carried out should be submitted to BHEL in the prescribed formats.</p>
<p>9.17.3</p>	<p><u>RECORD KEEPING -</u></p> <p>Contractor shall prepare, maintain and update various MM records, associated with materials management operation of BHEL at project site. Two systems of record keeping/capturing information & data at various stages are in vogue viz.</p>

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-IX : MATERIAL HANDLING & MATERIAL MANAGEMENT OF MATERIAL RECEIVED BY ROAD

	<p>i. Manual ledgers & records.</p> <p>ii. Computerized database application: BHEL has developed a software application named E-STORE that captures all the data in the entire chain of transactions starting with master list of project materials, records of dispatch, receipt, inspection, issue, return, consumption etc.</p> <p>Some of these records are master shipping/packing list, LR/RR register, daybook register, stock register, records of issues to & return of materials in respect of various erection subcontractors, insurance claim records, periodical status reports in various formats covering desired aspects and output information as per BHEL/CLIENT'S requirement.</p> <p>Contractor will provide necessary hardware, software & stationary etc. And shall take utmost care to ensure that these properties and records are protected from any damage or loss. BHEL will recover the cost of such property / expenses of restoration from the contractor with overhead charges in case of any loss/damage attributable to negligence/failure on contractor's part.</p>																							
9.17.4	Void																							
9.18	<p><u>RESPONSIBILITIES OF THE CONTRACTOR -</u> CONTRACTOR HAS TO MOBILIZE BELOW MENTIONED MANPOWER, OTHER THAN SECRETERIAL AND MENIAL SERVICES MANPOWER MENTIONED, ELSE WHERE IN THIS CONTRACT. Providing below mentioned manpower is included in the scope of work of Contractor and there shall not be any separate payment for this, under Section-C of rate schedule.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 10%;">SL NO</th> <th style="width: 55%;">ACTIVITY/DESCRIPTION</th> <th style="width: 15%;">TENTATIVE NO. OF PERSONS</th> <th style="width: 20%;">REMARKS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>MATERIAL RECEIPT/ UNLOADING, COLLECTION/ BOOKINGS/ PRESERVATION</td> <td style="text-align: center;">3</td> <td rowspan="6" style="vertical-align: top;">To be deployed from the start of contract OR as per instruction of BHEL Engineer</td> </tr> <tr> <td style="text-align: center;">2</td> <td>DETAILED VERIFICATION</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">3</td> <td>MATERIAL ISSUE (BOILER, TG, ELEC, C&I, STEEL & CEMENT AND T&Ps)</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">4</td> <td>RECORD KEEPING (BOILER, TG, ELEC, C&I, STEEL & CEMENT AND T&Ps)</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">5</td> <td>RECORD KEEPING (MRC, ASSISTANCE IN INSURANCE CLAIMS, PURCHASE ETC)</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">6</td> <td>SAFETY OFFICER</td> <td style="text-align: center;">To be deployed as per HSE Manual</td> </tr> </tbody> </table> <p>NOTE: The contractor shall deploy skilled people (preferably diploma holders) for carrying out functions/operations stated above. The no. of persons indicated above is tentative and actual deployment may vary based on work load and site requirement. The manpower requirement shall be finalised in the beginning of the contract period/extension period with Engineer In-charge. Contractor shall ensure availability of manpower during</p>	SL NO	ACTIVITY/DESCRIPTION	TENTATIVE NO. OF PERSONS	REMARKS	1	MATERIAL RECEIPT/ UNLOADING, COLLECTION/ BOOKINGS/ PRESERVATION	3	To be deployed from the start of contract OR as per instruction of BHEL Engineer	2	DETAILED VERIFICATION	2	3	MATERIAL ISSUE (BOILER, TG, ELEC, C&I, STEEL & CEMENT AND T&Ps)	3	4	RECORD KEEPING (BOILER, TG, ELEC, C&I, STEEL & CEMENT AND T&Ps)	2	5	RECORD KEEPING (MRC, ASSISTANCE IN INSURANCE CLAIMS, PURCHASE ETC)	2	6	SAFETY OFFICER	To be deployed as per HSE Manual
SL NO	ACTIVITY/DESCRIPTION	TENTATIVE NO. OF PERSONS	REMARKS																					
1	MATERIAL RECEIPT/ UNLOADING, COLLECTION/ BOOKINGS/ PRESERVATION	3	To be deployed from the start of contract OR as per instruction of BHEL Engineer																					
2	DETAILED VERIFICATION	2																						
3	MATERIAL ISSUE (BOILER, TG, ELEC, C&I, STEEL & CEMENT AND T&Ps)	3																						
4	RECORD KEEPING (BOILER, TG, ELEC, C&I, STEEL & CEMENT AND T&Ps)	2																						
5	RECORD KEEPING (MRC, ASSISTANCE IN INSURANCE CLAIMS, PURCHASE ETC)	2																						
6	SAFETY OFFICER	To be deployed as per HSE Manual																						

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter-IX : MATERIAL HANDLING & MATERIAL MANAGEMENT OF
MATERIAL RECEIVED BY ROAD

	<p>extension period as well. This does not absolve the contractor from his responsibility towards the satisfactory execution of the job.</p> <p>In case the contractor does not deploy or delays deployment of above said manpower with reference to specific instructions from BHEL, BHEL will recover non-refundable penalty per man- day @ Rs 500/-</p>
<p>9.19</p>	<p>VOID</p>
<p>9.20</p>	<p>Weigh Bridge:</p> <ol style="list-style-type: none"> 1. It is envisaged to have 01 nos. of weigh bridge of 100MT Capacity 2. Contractor shall provide manpower (One computer operator/ Supervisor in two shifts i.e. one in Morning & other in Evening for each Weighbridge) for operation and maintenance of BHEL owned weighbridges in control room at the construction site. The scope of services shall include record keeping of all the entry through weighbridge, day to day operation and maintenance. The service shall be rendered to suit BHEL site requirement. 3. Contractor shall arrange and ensure periodical calibration of the weigh bridge with / from the Government authorized agency / Govt. Department with traceability to National Physical Laboratory of India. Also, all the relevant test as per IS and/or any other requirement shall be arranged by the contractor. The proof of all such calibrations and tests shall be furnished to BHEL. All fees, charges as applicable in this regard are in contractor's scope (01 calibration per weighbridge is envisaged per year). 4. Contractor shall arrange Inspection of weigh bridge by the Statutory Authorities during operational phase as applicable. Contractor shall pay all fees, charges etc as applicable (01 inspection is envisaged per year). 5. Regular repair, maintenance and upkeep of all installations & facilities of weigh bridge arising out of wear and tear during use particularly of ramps and platforms shall be maintained for satisfactory availability and operation of weigh bridge. All cost towards these incidental charges are in contractor's scope. 6. Contractor at all times during the currency of this contract shall possess necessary license, permits as applicable to the provision of the operation of weigh bridge and pay all fee and charges as may be applicable. BHEL shall in no way be held responsible for any of the lapse of the contractor. 7. Contractor has to ensure the availability of operational weigh bridge to the maximum as possible. All the breakdowns or operational/preventive maintenance are to be arrange by the contractor in consultation with the BHEL. Spares & other supplies of all major repairs shall be in BHEL scope. If contractor fails to maintain the weigh bridge operationality then BHEL reserves the right to take appropriate action for making the weigh bridge operational on cost recovery basis from Contractor plus 5% overheads. Any charges paid by BHEL towards operation & maintenance of weigh bridge shall be deducted from contractor's due bills.

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter-IX : MATERIAL HANDLING & MATERIAL MANAGEMENT OF
MATERIAL RECEIVED BY ROAD

9.21	<p>The unloading/handling of cement received through bulker facility is not in the scope of work. However, the receipt and issue records of cement received through bulker/bag facility, directly issued to other civil agencies, shall be maintained by contractor as per the instruction of BHEL engineer.</p> <p>In case, cement bag is to be unloaded in BHEL storage yard, contractor has to execute the work along with its verification and record keeping etc.</p> <p>Also, the receipt and issue records of Reinforcement Steel/ Structural Steel (raw) which are directly issued to/unloaded by other civil agencies, shall be maintained by contractor as per the instruction of BHEL engineer.</p>
9.22	<p>Contractor shall ensure the availability of sufficient manpower (including issue supervisor) during extended hours to meet the project requirements at site.</p>

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-X : MATERIAL HANDLING AND MATERIAL MANAGEMENT OF MATERIALS RECEIPT BY RAIL

10.	MATERIAL HANDLING AND MATERIAL MANAGEMENT OF MATERIALS RECEIPT BY RAIL
10.1	All the consignments reaching the project site by rail shall be unloaded at the railway siding, followed by loading on truck/trailer, local transportation from railway siding to the storage yard/stores, unloading, verification and stacking and preservation as applicable to the consignments arriving by road. The approximate distance from main storage yard to railway siding will be 4-5 KM.
10.2	It will be responsibility of the contractor to keep in touch with officials of BHEL and railways regarding advance information about arrival of consignments. The contractor shall collect railway receipts or other such dispatch documents.
10.3	Contractor shall deploy his crane, trailers/trucks and all other T & P including additional T & P and manpower etc for handling of materials at such unloading bay/ location and transport to stores/ storage yard.
10.4	Contractor shall in his own interest arrange to release the railway wagons/racks with utmost alacrity to avoid any demurrage charges. Demurrage/ wharfage etc., which result due to contractor's fault, shall be recovered from the bill payment due to the contractor.
10.5	Contractor shall provide area lighting at railway siding for handling of materials during evening/ night.
10.6	All the responsibilities specified in the contractor's scope for the materials received by road shall also be applicable mutatis-mutandis for all the consignments received by rail at railway siding.
10.7	For the consignments received by rail the payment will be regulated on pro-rata basis on the accepted unit rate as per "TABLE FOR WEIGHTAGES/ FACTORS AND BOQ OF CHAPTER XIV SCHEDULE OF RATES & QUANTITIES". The above also includes all costs towards unloading from the wagon at the unloading siding in the plant and loading on the transport and the cost towards internal transportation to storage yard/ stores shed of BHEL/ client.
10.8	Quantum of work: one rake may contain approximately 1000 MTs in 45 wagons (approx.).
10.9	Adequate number of vehicles / handling equipment: It is the responsibility of the contractor to deploy suitable capacity and adequate number of cranes to lift a Consignment along with suitable number of crew members to cater to the tonnage received. For this purpose, the contractor has to work continuously after receipt of wagons at the siding without any break, so as to complete the work within the free time allowed by railway without demurrage and wharfage. The contractor has to deploy adequate number of cranes and trailers. Any demurrage and wharfage levied by railways will be to contractor's account.
10.10	void

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter-X : MATERIAL HANDLING AND MATERIAL MANAGEMENT OF
MATERIALS RECEIPT BY RAIL

10.11	Prior notice time: Shipping dept of BHEL units will intimate the contractor well in advance (atleast4 days in advance) regarding the arrival of consignment at the railway siding to enable the contractor for mobilizing the cranes & vehicles and working crew. It is suggested that the contractor has to trace the actual location of rake through online services to avoid last minute rush.
10.12	RAILWAY RECEIPT AND PREPARATION LR/GC WHILE INTERCARTING.
10.12.1	BHEL personnel will be deputed to witness/assist for the receipt of materials referred in RR and making appropriate dispatch documents like LR / GC note of the contractors to accompany consignments up to Project Site storage yard. The document prescribed by BHEL has to be maintained by the contractor for verification at any point of time for receipt, storage and inter-carted consignments.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XI: RESHIFTING AND RESTACKING

11.	Re-shifting
11.1	<p>Owing to several project requirements, many components may have to be shifted from originally stacked locations to elsewhere within the project premises for the lead distance not exceeding 5 kms. This may involve loading of such material onto a vehicle moving to a new location and unloading/stacking including proper inscription of identification marks if needed. List of items duly certified by BHEL official, shifted, updated stock records about change in location etc shall be prepared/submitted along with the monthly bills.</p> <p>Transportation of counter weight/structure from one location to other location (within project premises) for load testing of crane/EOT is in the scope of contractor. The said work shall be treated as re-shifting of material.</p> <p>Separate item rate is available for re-shifting and restacking of stacked materials and the payment will be regulated on pro-rata basis on the accepted unit rate calculated as per "TABLE FOR WEIGHTAGES/ FACTORS AND BOQ OF CHAPTER XIV SCHEDULE OF RATES & QUANTITIES".</p>
11.2	<p>Re-stacking/re-arranging</p> <p>Over a period of time, restacking/rearranging of the materials stacked earlier may arises due to various reasons. The handling of such items will also be in the scope of this contract. The restacking/ re-handling may be necessitated for any equipment/ materials covered within this work specification. Contractor shall deploy necessary resources like manpower, T&P, equipments etc to carry out this exercise including proper inscription of identification marks if needed. List of items duly certified by BHEL official, restacked, updated stock records about change in location etc shall be prepared/submitted along with the monthly bills.</p> <p>Restacking/re-arranging shall be applicable for materials returned by BHEL's erection contractors as well.</p> <p>Separate item rate is available for reshifting and restacking of stacked materials and the payment will be regulated on pro-rata basis on the accepted unit rate calculated as per "Table for weightages/ factors and BOQ of chapter XIV schedule of rates & quantities"</p>

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XII : Material Handling & Material Management of Material Collections/Dispatches

12.	Material Handling & Material Management of Material Collections/Dispatches
12.1	Incoming materials
12.1.1	Even though majority of consignments shall reach site directly for delivery. A good number of consignments shall be booked on Go-downs delivery/ door delivery basis against original consignee copy basis, the procedure of material collection shall be adopted as detailed here below:
12.1.2	Contractor shall keep in touch with officials of BHEL regarding advance information about arrival of consignments. The contractor shall collect original LRS/RRS/lorry way bills or other such dispatch documents
12.1.3	The contractor shall remain in regular contact with the concerned transporters or railways based on the dispatch documents obtained as stated above and make all necessary arrangements for collection / receipt of the consignment as applicable. Contractor shall take advance action to deploy all necessary resources for local transportation, handling and unloading of the anticipated consignments so as to ensure no loss of time upon arrival of the consignments. Loading at transporters Go-down, local transport up to BHEL/ client's stores/ site and unloading at stores/storage yard/site, verification and stacking shall also be in the scope of contract
12.1.4	Detention charges/ demurrage/ wharfage etc., which result due to contractor's fault, shall be recovered from the bill payment due to the contractor.
12.1.5	Payment will be regulated on pro-rata basis on the accepted unit rate as per "Table for weightages/ factors and BOQ of chapter XIV schedule of rates & quantities" . No other payment such as minimum charges for carrier etc will be made. All arrangements including transport, labour and other T&P etc is in contractor's scope. These godowns are expected to be located within a radius of 50 km approx. from the project site
12.1.6	All the responsibilities specified in the contractor's scope for the materials received by road shall also be applicable mutatis-mutandis for all the consignments (incoming smalls) received from transporters godown/s.
12.2	Outgoing materials/dispatches
12.2.1	For varying reasons many a times, project materials/BHEL assets/scraps materials are to be dispatched to other BHEL sites/mfg. Units/other locations.
12.2.2	Contractor shall identify, tag, pack and prepare gate passes for the materials to be dispatched. Materials shall be loaded onto the outgoing vehicles with due care and handed over to the transporter with clear goods receipt which shall be submitted with BHEL promptly. BHEL shall make arrangement for the transport vehicles at its own cost. Payment will be regulated on pro-rata basis on the accepted unit rate as per "TABLE FOR WEIGHTAGES/ FACTORS AND BOQ OF CHAPTER XIV SCHEDULE OF RATES & QUANTITIES" .

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XII : Material Handling & Material Management of Material Collections/Dispatches

12.2.3	<p>Such materials which need to be brought to transporter's/railway godown for booking, arrangements shall be adopted as mentioned below:</p> <p>BHEL shall arrange suitable vehicle for transportation of materials from stores/storage yard/site to transporters godowns. Contractor shall identify, tag, pack and prepare gate passes for the materials to be dispatched. Materials shall be loaded onto the outgoing vehicle with due care and handed over to the transporter with clear goods receipt which shall be submitted with BHEL promptly within the quoted rates. Payment will be regulated on pro-rata basis on the accepted unit rate as per "TABLE FOR WEIGHTAGES/ FACTORS AND BOQ OF CHAPTER XIV SCHEDULE OF RATES & QUANTITIES".</p>
---------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XIII : Supply installation and maintenance of CCTV camera

13	Supply installation and maintenance of CCTV camera
13.1	The scope of work includes supply & installation of IP based CCTV system for storage areas, for the purpose of geo-fencing the boundaries with fixed cameras and covering entire inside area of storage (both open yards and covered sheds) with PTZ cameras such that there should not be any dark patch.
13.2	Surveillance camera should have a backup of at least two months. All hardware and software required to meet above intent shall be in the scope of bidder.
13.3	CCTV camera database servers to be provided by the bidder should be latest available in the market with sufficient storage and memory configuration with 4K resolution graphics capability. The servers shall have redundant hot swappable power supply with minimum three no. redundant, hot-swappable hard disks following RAID 5 implementation. Necessary OS, software, antivirus licenses to be provided along with the server hardware for working of the CCTV system.
13.4	<p>The camera and database servers shall offer both video stream management, video stream storage management. These servers shall also manage and store configuration information/database for the whole system. Recording frame rate & resolution in respect of individual camera shall be programmable. It shall be possible to view and record at different resolutions and frame rates and this shall be individually programmable on every camera. The system shall ensure that all configuration information, video recordings, and user database etc, is suitably replicated on the standby camera/database server(s) so that in the event of failure of one server, the performance of the system is not affected. It shall be possible to take back-up of system configuration and database on removable media i.e. CD/DVD etc. and restoring the same if required.</p> <p><u>Other essential items / service under the scope of vendor</u></p> <ol style="list-style-type: none"> 1. Bidder shall provide One no Workstation of Intel Core i7, 32 GB DDR5 RAM, 4GB graphics, 1TB SSD/HDD, licensed O/S or better for Managing / configuring all CCTV facility. 2. All the camera / RF device / Device should be powered by UPS Power. Necessary quantity of Small UPS (0.6 KVA) or similar to consider with in their scope. 3. Any statutory compliance issued by GOI for CCTV system in between during the contract period to be comply by the vendor. 4. All software / hardware used for the project shall be licensed & legal 5. The VMS Server should be scalable in nature to accommodate additional 25 no's of camera on later date
13.5	<p>Smart Storage area/yard monitoring:</p> <p>Smart Storage/Yard Management shall involve entry of Truck/trailers/shipments, identification of unloading area and T&Ps, unloading of consignment, material verification, Record keeping, preservation and issue of material to executing agency. Storage area shall include the open yard area and covered sheds.</p>

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XIII : Supply installation and maintenance of CCTV camera

	<p>The storage area to be equipped with SSMS (smart storage monitoring system). SSMS shall include monitoring of yard management processes through CCTV cameras. Monitoring shall be done for material storage condition, water logging, excess vegetation and any intrusion inside storage yard.</p> <p>PTZ camera shall have auto tracking analytics to track any intruder inside the storage yard. Feed of all these cameras to be available in the Security Control room and BHEL office.</p>
13.5.1	All the aforementioned data to be available in the Security Control room and BHEL office for monitoring the project activities. The display of feed shall be through two no. of LED screens. The storage yard CCTV system shall have the provision to interconnect with the existing CCTV systems, so that feed of any camera can be seen from any of the CCTV system installed in the project. Detail towards interconnection, method of communication & network to be finalized at the time of installation.
13.5.2	The contractor shall depute one person round the clock (in shifts) to look after the operation of CCTV system. The payment of operator shall be considered under secretarial services as envisaged in Chapter VII of TCC.
13.6	General Requirements:
13.6.1	<p>All the cable trays, power packs, erection hardware, mounting arrangement (viz. junction boxes, mounting brackets, glands, housings, nut-bolts, conduits, etc.) are included in the bidder's scope.</p> <p>However, Poles/High mast for mounting CCTV shall be provided by BHEL.</p>
13.6.2	All network mounting racks, NVR (if required) and other required accessories are included in the bidder's scope.
13.6.3	The bidder shall guarantee satisfactory performance of the equipment under stipulated variations of voltage and frequency.
13.6.4	UPS of sufficient rating for the operation of CCTV system is to be provided by the agency.
13.6.5	The output of the CCTV system/camera feed shall be displayed to the LED video wall in the Security Control Room and BHEL/Customer office. The Necessary hardware/software/cables to be supplied by the agency for the same.
13.6.6	Any other equipment, module, software required for the safe and satisfactory operation, control, protection, monitoring, testing and maintenance of the system shall also be included by the bidder within the quoted price.
13.6.7	All equipment supplied shall meet the requirements of the applicable International codes and standards or their amendment. Camera certification has to be CE/FCC/UL or equivalent.
13.6.8	All the network switches shall be of high quality and shall be sized to meet the functional requirements as specified.
13.6.9	The CCTV system shall be designed as a standalone IP based network architecture with simultaneous recording of all video streams using H.264 or better compression technique. System shall ensure that once recorded, video cannot be altered.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XIII : Supply installation and maintenance of CCTV camera

13.6.10	Camera shall be provided with sufficient storage space to store recordings (video & audio both) of all cameras at 25/30 FPS at 1920x1080 for a period of fifteen (15) days or more. All recordings shall have camera ID, location, date and time of recording.
13.6.11	Facility shall be provided to select a camera or a group of cameras in a zone for recording in CIF, 2CIF, 4 CIF, HD(720P) & Full HD(1080P) resolution.
13.6.12	It shall be possible to export selected portion of recording to portable media devices. The exported clip shall be in commonly used movie file formats e.g. mpg, avi, mp4, etc. and no special software shall be required to view the same.
13.6.13	Server software shall allow the clients seamless operation of all cameras regardless of the actual connection to different recording servers. Software shall allow client applications to interact with all the camera/database servers simultaneously and allow simultaneous display of live video/recorded video regardless of the zone in which the client is connected.
13.6.14	The system shall be able to accept potential free contacts from other system and use the same for predefined actions (like zoom/pan/tilt of cameras, bringing out predefined views on predefined monitors etc.) This feature shall be extensively used for linking fire related signals.
13.6.15	The system operation would be of covering the complete view of areas with pan/tilt zoom, propositioning of the cameras and with programmability to monitor any camera on any monitor either manually or automatically in a defined switching. The system shall be suitable for installation and shall be able to work in dust prone thermal power plant environment.
13.6.16	The camera and video management software shall be ONVIF compliant.
13.6.17	It is intended to listen the sound of the selected camera surroundings with minimum noise level along with the video. Any hardware/software required to meet this functionality shall be supplied.
13.6.18	Quantity variation is applicable for Fixed & PTZ cameras.
13.6.19	It is intended to listen the sound of the selected camera surroundings with minimum noise level along with the video. Any hardware/software required to meet this functionality shall be supplied.
13.6.20	For Technical Specifications for IP Camera Specification (Fixed / PTZ) refer Chapter XVII- Technical Specifications And Drawings.
13.6.21	INSTALLATION SCHEDULE:
13.6.21.1.	Supply and Installation of the system shall be done by the agency after obtaining clearance from BHEL engineer at site.
13.6.21.2.	Normally BHEL shall provide fronts (poles or masts for mounting CCTV cameras) progressively to Contractor for installation of CCTV camera. However, the common system with redundant servers and display system shall be made ready for integration in such a way that that the surveillance system with required specification is operational even if fronts for single camera is made available.
13.6.21.3.	BHEL shall instruct the contractor every month, to install number of cameras based on the availability of fronts. The contractor shall install every month all the cameras as instructed by BHEL and integrate with CCTV surveillance system to make it operational for monitoring of storage space and unloading activities.
13.6.21.4.	Installation schedule:

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XIII : Supply installation and maintenance of CCTV camera

	<p>Installation of CCTV common system with redundant servers and display system - within Three months from the date of intimation by BHEL Construction Manager.</p> <p>Installation of Addl. CCTV camera as described in clause 13.6.21.3 - within 30 days from the date of intimation by BHEL Construction Manager.</p>
13.6.21.5.	<p>If the installation of CCTV system gets delayed beyond 30 days from the scheduled mentioned in clause 13.6.21.4, BHEL shall reserve the right to procure and install the CCTV system and recover the cost thereof from the contractor as per actual purchase and installation charges + 5% overhead. In such case, the scope of comprehensive Maintenance Services of CCTV system shall be removed from the scope of work and no payment shall be made for the same.</p>
13.6.21.6.	<p>Delay in supply or installation & commissioning of the system may cause penalty as mentioned below:</p> <p>Case 1. If the installation of CCTV common system with redundant servers and display system is delayed beyond three months (refer installation schedule 13.6.21.4) penal rate of Rs 1000/- per day shall apply.</p> <p>Case 2. If the installation of addl. CCTV camera as described in clause 13.6.21.4 is delayed beyond 30 days from the date of intimation penal rate of Rs 400 per camera per day shall apply.</p> <p>The number of days for the purpose of calculating penalty shall be as follows: For Case 1: Days beyond Three months after intimation by BHEL, until date of completion of work or alternate arrangement by BHEL (on cost recovery basis). For Case 2: Days beyond 30 days after intimation by BHEL, until date of completion of work or alternate arrangement by BHEL (on cost recovery basis).</p>
13.6.22	Maintenance
13.6.22.1.	<p>Comprehensive Maintenance Services of CCTV system for storage yard is in the scope of contractor.</p>
13.6.22.2.	<p>Defective equipment/parts to be replaced by the contractor should be of the equivalent or higher configuration. Any equipment replaced/provided to BHEL during this contract shall be retained by BHEL at the end of contract and will be property of BHEL. No additional payment for spares shall be made by BHEL towards replacement of faulty equipment/parts</p>
13.6.22.3.	<p>All liabilities arising out of any fault /replacement of any part, shall be borne by the vendor, if not mentioned separately otherwise. Any damage or loss caused to the hardware/equipment or to their parts due to negligence, mishandling by resident engineer shall be made good by the vendor at the prevailing market price of that item's or provide a new one (from OEM) of the same make and equivalent or higher specifications. The decision of BHEL in this regard shall be final and binding on the vendor.</p>

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XIII : Supply installation and maintenance of CCTV camera

13.6.22.4.	Maintenance, installation, reinstallation/relocation, trouble shooting and other problems/issues related to CCTV system shall be provided by the vendor during the contract period.
13.6.22.5.	If any activity or component is required for the completeness or successful functioning of any item, the same shall be part of the scope of work.
13.6.22.6.	Additional manpower shall be deployed by the vendor (if required) for the completion of the CCTV system maintenance activity within stipulated timelines. No additional payment shall be made by BHEL for the same
13.6.22.7.	Maintenance service shall cover services, repairs and replacements necessary to keep the equipment in good working order on reasonable use of the equipment during the contract period.
13.6.22.8.	Preventive maintenance, wherever required, shall be carried out to keep the equipment in good working condition.
13.6.22.9.	Contractor shall monitor the operations of CCTV installed by BHEL in store yard. Contractor shall immediately inform BHEL in writing, in case any CCTV camera/ necessary component is found non-operational. The faulty component shall be restored within three working days. BHEL shall be informed in writing about the daily status of material handling activities carried out in blind storage space during down-time.
13.6.22.10.	The contractor shall designate one (01) competent person who will be single point contact taking up issues related maintenance and operation of CCTV system.
13.6.22.11.	The contractor shall maintain a case sheet/logbook/record of all the complaints made by the users against the hardware/software/network etc. of the CCTV system that shall regularly be shared with BHEL for verification.
13.6.22.12.	Penalty for downtime of more than three days shall be Rs 400/- per camera per day.
13.6.23	Special Terms & Conditions:
13.6.24	Non-Disclosure Agreement: The selected bidder after placement of work order and prior to commencement of work must sign the Non-Disclosure Agreement (NDA) as per the format specified by BHEL or any other as mutually agreed.
13.6.25	Agency shall coordinate with various stakeholders including BHEL, its sub-agencies and Customer, wherever required to execute the contract.
13.6.26	All Statutory Compliance (as applicable) for execution of the scope of work, shall be in the scope of Agency. No Extra charges shall be made against any statutory compliance.
13.6.27	No extra payment shall be made for any work executed on Sunday/holidays or beyond official working hours.
13.6.28	All the software/license procurement, installation for connection/integration to BHEL/Customer's systems shall be in scope of agency.
13.6.29	For connecting the internal system of BHEL/Customer, suitable hardware / software for secured access is to be provided and configured by the agency in consultation with BHEL/Customer.
13.6.30	Watch and ward of resources deployed by the agency, at site shall be in the scope of the agency. No claim shall be entertained in case of any theft/damage of resources deployed by the agency.
13.6.31	All taxes, insurance charges, local law and order obligations (if any) will be complied with/borne by the Bidder

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XIII : Supply installation and maintenance of CCTV camera

13.6.32	Arranging requisite Gate passes (Temporary/permanent/ Sunday / holiday / Night pass) for entering inside the plant area is Agency's responsibility.
13.6.33	Compliance of all statutory laws, legal obligations, in vogue shall be the responsibility of the owner
13.6.34	No compensation shall be payable on account of drone accidental damage, idling due to reasons / conditions beyond the control of BHEL.
13.6.35	Training and demonstration of the system to the concerned officials shall be in the scope of the agency
13.6.36	The CCTV system shall be designed for visibility in all weather conditions, suitable for day and night to facilitate 24x7 operation for high availability
13.6.37	Transportation and Installation charges to be included in the price quoted.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XIV : Schedule of rates & quantities

14.1 Schedule of rates & quantities				
Section A: Material Handling and Management				
ITEM NO	DESCRIPTION OF ACTIVITY	UNIT	QTY	Weightage Factor for item Price w.r.t total amount quoted by bidder
Section A1				
A1.1	Material Handling and Material Management for Materials received through Trucks/Trailers at Project Site	MT	78150	0.2628785682
A1.2	Material Handling and Material Management for Materials received through Railway Wagons at Railway Siding/Station/Godown	MT	1000	0.0077114983
A1.3	Material Handling and Material Management for Materials received at Transporters Godowns within a radius of 50 KM from Project Site	MT	1000	0.0086725752
A1.4	Material Handling and Material Management for Structural steel, Deck sheet, Cladding sheet and Reinforcement steel received through trucks/trailers at project Site	MT	9758	0.0281345661
A1.5	Material (other than Cement) reshifting and re stacking within project premises	MT	5000	0.0153314654
A1.6	Despatch/Outgoing materials (other than Cement)	MT	2000	0.0056291649
Section A2				
A2.1	Material Management for: i) Cement received through trucks/trailers in bulkers/bags at project Site (Where unloading of Cement is not in scope of MM agency) ii) Reinforcement Steel / Structural steel (raw) received at project Site (Where unloading of Reinforcement/ Structural steel is done by Civil/other agency)	MT	75995	0.0399964751
A2.1(a)	Material Handling and Material Management for Cement received through trucks/trailers in bags at project Site	MT	1000	0.0022196301
A2.2	Material re-shifting and re-stacking for Cement within project premises	MT	500	0.0008924286
A2.3	Despatch/Outgoing for Cement bag materials	MT	100	0.0001830623
Section A3: Operation and maintenance of weighbridge				
A.3.1	For 100 MT capacity	Months	46	0.0574639798
Section B: Cranes				
B.1	Pick and Carry Crane 23 MT (In Months)	Months	88	0.1962215215
B.2	Pick & Carry Crane 40 MT	Months	42	0.1221682555
B.3	Forklift 5 Ton capacity with 3M lift	Months	24	0.0224661344

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XIV : Schedule of rates & quantities

B.4	(a) 75MT/80 MT Basic Capacity Tyre Mounted Crane	Months	28	0.1854269799	
	(b) One Time Mobilisation and Demobilisation charges of above mentioned 75MT/ 80MT Crane	1 LOT	One Time	0.0105223966	
Section D : Supply and installation of CCTV system for storage space					
D.1	Supply and Installation of all hardware and software of the IP based PTZ dome camera along with p2p/PMP Outdoor CPE Antenna for wireless communication surveillance system including for storage space.	Nos.	4	0.0021767020	
D.2	Supply and Installation of all hardware and software of the IP based Fixed bullet camera along with p2p/PMP Outdoor CPE Antenna for wireless communication surveillance system including for storage space.	Nos.	40	0.0081645774	
D.3	Supply and Installation of LED Display Screen – Min. 50” with integration capabilities with CCTV system	Nos.	2	0.0010889459	
Section E : Comprehensive maintenance of the CCTV system for storage space					
E.1	Comprehensive maintenance of the CCTV system for storage space	Month	46	0.0226510731	
Section C: Menial and Secretarial Services (Unit Rate Fixed as per minimum wages circular)					
SN	Description	Unit	Duration	Unit Rate	Total Amount (In Rs)
C.1	Menial Services (unskilled)	Man Months	276	₹ 17,120	₹ 47,25,120.00
C.2	Secretarial Services (Skilled)	Man Months	368	₹ 20,970	₹ 77,16,960.00
C.3	Menial Services (Unskilled) - for Grass cutting	Man Months	80	₹ 17,120	₹ 13,69,600.00

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XIV : Schedule of rates & quantities

Instruction to Bidders for Vol-II-Price Bid and Schedule of Rates and Quantities

- 1. Bidders shall quote Total Lump-sum Price for the entire scope of work excluding Section-C fixed Cost in Rupees for Tendered Package only in VOL II PRICE BID at BHEL E-procurement Portal.** Any other entry elsewhere in the offer of the bidder shall be treated as Null and Void. Offer evaluation of the bidders shall be done based on the Total Price of as quoted in the Volume II Price Bid
- Schedule of Rates and Quantities consist of the followings:
Section-A Material Handling and Management: Section-A1, A2 & A3
Section-B: Crane.
Section-C: Menial and Secretarial Services (**pre-fixed Prices by BHEL**).
Section-D: Supply and installation of CCTV system for storage space.
Section-E: Comprehensive maintenance of the CCTV system for storage space.
- BHEL has pre-fixed the Weightages / Factor as detailed above in this chapter for deriving the Unit Rates for the BOQ item. "Item Price" for BOQs i.e. Sections- A1, A2 & A3, Section-B, Section D and Section E shall be derived by multiplying BHEL pre-fixed "Weightage Factor" and the "Total Quoted Price" as per Sl.no.1 above.
- Further to calculate **Unit Item Rate**, the item price arrived at Sl. No.3 above shall be divided by respective quantities, rounding down to two decimal places.
- Grand Total of **BOQs**- Section- A1, A2 & A3+ Section-B+ Section D+ Section E shall be derived by summing up the actual total amount of individual items derived by multiplying Quantities with respective Unit Item rates as per Sl. No. 4 above, rounding off to zero decimal places.
- Final awarded value for the Subject Job shall be obtained by adding Total of Section A1, A2 & A3+ Section B + Section D+ Section E as derived in Sl. No.5 above and then adding **Fixed Cost of Section-C**.
- Bidders to note that this is an 'Item rate contract'. Payment shall be made for the actual quantities of work executed at the Unit rate arrived above.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XV: General

15.0	General
15.1	The intent of specification is to provide material handling and materials management services according to the most modern and proven techniques and codes. The omission of specific reference to any method, equipment or materials necessary for proper and efficient unloading, transportation, verification, stacking & preservation etc shall not relieve the contractor of the responsibility of providing such facilities to complete the work without any extra compensation.
15.2	The work shall be executed under usual conditions affecting major thermal power projects in an existing power plant and in conjunction with numerous other operations at site. The contractor and his personnel shall cooperate with personnel of customer's contractors, coordinating his work with others and proceed in a manner that shall not delay or hinder the progress of work as a whole.
15.3	The distances indicated elsewhere in the tender are only approximate. However, the tenderers should assess the various distances and site conditions by visiting site before submitting their offer. No additional/extra claims for any variation in this regard will be entertained
15.4	Contractor shall arrange for cutting and removal of vegetation growth/grass etc. in the storage yard as and when called for by BHEL as incidental to work. Payment shall be made as indicated in BOQ.
15.5	Housekeeping of closed sheds are also included in the scope of work. Contractor shall carry out the housekeeping works on regular intervals (once a week).
15.6	The tools and tackles received from various BHEL units are to be handed over to customer after completion of work at site. It shall be the responsibility of contractor to handover tools and tackles to customer through BHEL and make necessary handing over protocols.
15.7	If the contractor or his workmen break, cable, deface, injures or destroy any part of building, road, kerbs, fence enclosures, water pipes, drains, electric/ telephone poles or wires, trees or any other property or damage any part of erected stores/equipment, stored components etc., within the project premises or outside, the contractor shall make the same good at his own expenses (of which BHEL site engineer's decision shall be final) failing which the site engineer shall get the same rectified by other agencies and recover the cost from the contractor and the same shall be deducted from the sums that may be due then or at any time thereafter become due to the contractor or even from his security deposit.
15.8	PLEASE NOTE: TANDEM OPERATION FOR MATERIALS HANDLING/ERECTION/LIFTING/ LOWERING FROM HEIGHTS NEEDS TO BE APPROVED BY BHEL/CUSTOMER.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.0.	SPECIAL CONDITION OF CONTRACT (Clauses mentioned in earlier Chapters of TCC will supercede in case of conflict with clauses mentioned in this chapter)
16.1.	INTENT OF THE SPECIFICATION
16.1.1.	The intent of this specification is to provide services for execution of the project according to most modern and proven techniques and codes. The omission of specific reference to any method, equipment or material necessary for the proper and efficient services, shall not relieve the contractor of the responsibility of providing such services / facilities to complete the work or portion of work awarded to him. The quoted / accepted rates / price shall deem to be inclusive of all such contingencies.
16.1.2.	The work shall conform to requirement given in various documents that will be provided during execution. If any portion of works is found to be defective in workmanship and not conforming to documents or other stipulations, the contractor shall dismantle and re-do the work duly replacing the defective materials at their own cost, failing which recoveries, as determined by BHEL, shall be affected from contractor's bills. In case, drawings/ instructions get revised in the course of execution, latest revision shall be applicable and work has to be executed accordingly. In case, drawings/ instructions get revised after completion, latest revision shall be applicable and rework has to be executed accordingly by vendor without any objection. Any extra work /rework shall be paid as per respective clauses in GCC.
16.1.3.	It is not the intent of this specification to specify herein all the details of execution. However, the system shall conform in all respects to high standards of quality and workmanship for performing the required duties in a manner acceptable to purchaser who will interpret the meaning of documents and specifications and shall be entitled to reject any work or material, which in his judgments is not in full accordance herewith.
16.1.4.	The omission of specific reference to any work or method, equipment or material necessary for proper and efficient working of the plant shall not relieve the tenderer of the responsibility of providing such facilities to complete the work at quoted rates. Any mismatch/ defect found due to mistake in workmanship shall have to be rectified by the vendor free of cost. Inspection by BHEL/Customer does not relieve vendor of his responsibility of executing quality work.
16.1.5.	The work covered under this specification is of highly sophisticated nature, requiring the best quality workmanship, supervision, engineering and construction management. The contractor should ensure proper planning and successful and timely completion of the work to meet the overall project schedule. The contractor must deploy adequate quantity of tools & plants, modern / latest construction aids etc. He must also deploy adequately trained, qualified and experienced supervisory staff and skilled personnel.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.1.6.	BHEL Engineer's decision regarding correctness of the work and method of working shall be final and binding on the contractor. No claims for extra payment from the contractor will be entertained on the ground of deviation from the methods / sequence adopted.
16.1.7.	Following shall be the minimum responsibility of contractor and have to be provided within finally accepted rates / prices:
16.1.8.	Provision as required of all types of labour, supervisors, engineers, watch and ward, tools & tackles, calibrated MMEs (Monitoring and Measuring Equipment) as specified and otherwise required for the work, consumables for erection, testing and commissioning—including material handling as applicable following safe erection methodology and BHEL HSE norms of HIRA (Hazard Identification and Risk assessment) / JSA(Job Safety analysis).
16.1.9.	Achieving Proper out-turn / Turn-over as per BHEL plan and commitment.
16.1.10.	Completion of work as per BHEL Schedule.
16.1.11.	Good quality and accurate workmanship.
16.1.12.	Repair and rectification.
16.1.13.	Preservation / Re-conservation of all components during custody/storage till handover.
16.2.	GENERAL SERVICES TO BE RENDERED BY THE BIDDER
16.2.1.	Deployment of all skilled and unskilled manpower required for execution, supervision, watch & ward, and other services to be rendered under this specification.
16.2.2.	Deployment of all erection tools & tackle, construction machinery, transportation vehicles and all other implements in adequate number and size, appropriate for the erection work to be handled under scope of this specification except otherwise specified.
16.2.3.	Supply of all consumables, e.g. cleaning agents, diesel oil, lubricant etc. as necessary for such erection work, unless specified otherwise.
16.2.4.	Providing support services for the contractor's execution staff e.g. construction of site offices, residential accommodation and transport to work site for executing personnel.
16.2.5.	Maintaining proper documentation of all the activities undertaken by the Contractor as per the proforma mutually agreed with BHEL, Submission of monthly progress reports with photographs /PPT and any such document as and when desired by BHEL/owner, taking approval of all statutory authorities i.e. Boiler Inspector, Factory Inspector etc., as applicable for respective portions of work fall under the jurisdiction of such statutes of laws.
16.2.6.	Any other service, although not specifically called for but required for a contract of the size and nature indicated in the specification.
16.3.	GENERAL TECHNICAL REQUIREMENTS

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.3.1.	Except where otherwise specified, the plant/equipment shall comply with the appropriate Indian Standard or an agreed internationally accepted Standard Specification as mentioned elsewhere in contract specifications, each incorporating the latest revisions at the time of tendering. Where no internationally accepted standard is applicable, the Bidder shall give all particulars and details as necessary, to enable BHEL to identify all of the plant/equipment in the same detail as would be possible had there been a Standard Specification.
16.3.2.	Tools brought by contractor that will be used during execution shall not be accepted except with the specific approval of the Engineer including third party inspection if required.
16.4.	OBLIGATIONS OF CONTRACTOR
16.4.1.	CONSUMABLES & OTHER ITEMS FOR THE SCOPE OF WORK (excepting those indicated in BHEL scope)
16.4.1.1.	The contractor shall provide within finally accepted price / rates, all consumables (excepting those indicated in BHEL scope) for the scope of work.
16.4.1.2.	It shall be the responsibility of the contractor to plan the activities and store sufficient quantity of consumables. Non-availability of any consumable materials or equivalent suggested by BHEL cannot be considered as reason for not attaining the required progress or for additional claim.
16.4.1.3.	BHEL reserves the right to reject the use of any consumable, if it is not found to be of the required standard / make / purity or when shelf life has expired. Contractor shall ensure display of shelf life on consumable wherever required and records maintained.
16.4.1.4.	Storage of all consumables shall be done as per requirement / instruction of the Engineer by the contractor at his cost.
16.4.1.5.	In case of improper arrangement for procurement of any consumable, BHEL reserves the right to procure the same from any source and recover the cost from the Contractor's first subsequent bill at market value plus the applicable 5% overheads of BHEL from time to time. Postponement of such recovery is normally not permitted. The decision of Engineer in this regard shall be final and binding on the Contractor.
16.4.1.6.	All charges on account of any kind of taxes and duties on Consumable obtained from any source for carrying out the works in the scope of the contractor shall be borne by the contractor.
16.4.2.	TOOLS AND PLANTS / MONITORING AND MEASURING EQUIPMENT (MMEs)
16.4.2.1.	All T&Ps and MMEs excepting those specifically indicated in BHEL scope are to be provided by the Contractor. Contractor has to make his own arrangement at his cost for completing the formalities (including arrangement of Road permits / e-way bill, if any) if required with tax authorities, for bringing their materials, plants and equipments at site for the execution of work under this contract.
16.4.2.2.	VOID

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.4.2.3.	All T&Ps to be deployed by the contractor shall have the approval of BHEL Engineer with regard to brand, quality and specification.
16.4.2.4.	Timely deployment of adequate T&Ps is the responsibility of the contractor. The contractor shall be prepared to augment the T&P at short notice to match the planned programme and to achieve the milestones.
16.4.2.5.	Contractor shall maintain and operate his tools and plants in such a way that major breakdowns are avoided. In the event of major breakdown, contractor shall make alternative arrangements expeditiously so that the progress of work is not hampered.
16.4.2.6.	In the event of contractor failing to arrange the required tools, plants, machinery, equipment, material or non-availability of the same owing to breakdown, BHEL will make alternative arrangement and recover the expenses incurred from the dues payable to contractor. Recoveries shall be as per relevant clauses mentioned in TCC. Decision of BHEL shall be final and binding on the contractor. It is not obligatory on the part of BHEL to provide any tools and tackles or other materials other than those specifically agreed to do so by BHEL. However, depending upon the availability, BHEL/ BHEL's Customer handling equipment and other plants may be made available to the contractor on payment of hire charges as fixed, subject to the conditions laid down by BHEL/ Customer from time to time. Unless paid in advance, such hire charges, if applicable, shall be recovered from contractor's bill/ security deposit or any other due payment in one instalment.
16.4.2.7.	The T&P to be arranged by the contractor shall be in proper working condition and their operation shall not lead to unsafe condition. The movements of cranes, and other equipment should be such that no damage / breakage occurs to foundations, other equipments, material, property and men. All arrangements for the movement of the T&P etc. shall be the contractor's responsibility.
16.4.2.8.	The contractor at his cost shall carry out periodical testing of his equipment. Test certificates shall be furnished to BHEL.
16.4.2.9.	Contractor shall ensure deployment of serviced and healthy T&Ps including cranes, lifting tackles, wire ropes, manila ropes, winches and slings etc. History card and maintenance records for major T&Ps will be maintained by the contractor and will be made available to BHEL Engineer for inspection as and when required. Fitness certificate / Test Certificates of T&P shall have to be submitted before it is put in use. Identification for such T&Ps will be done as per BHEL Engineer's advice. BHEL reserves the right to permit only new slings up to 20 mm and lifting tackles up to 3 MT capacities. Contractor shall deploy trained Trailer and Crane Operator to enable safe operations at site. Necessary licenses should be available with them and a copy of the same shall be submitted to BHEL.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.4.2.10.	Contractor shall ensure deployment of reliable and calibrated MMEs (Inspection measuring and Monitoring equipment). The MMEs shall have test / calibration certificates from authorized / Government approved / accredited agencies traceable to National / International standards. Each MME shall have a label indicating calibration status i.e. date of calibration, calibration agency and due date for calibration. A list of such instruments deployed by contractor at site with its calibration status is to be submitted to BHEL Engineer for control.
16.4.2.11.	Re-testing / re-calibration shall also be arranged at regular intervals during the period of use as advised by BHEL Engineer within the contract price. The contractor will also have alternate arrangements for such MME so that work does not suffer when the particular instrument is sent for calibration. If any MMEs not found fit for use, BHEL shall have the right to stop the use of such item. It will be necessary for the contractor to deploy proper item. Any readings taken by the defective instrument will be recalled and repeat the readings taken by that instrument with a proper one. In case he fails to do so, BHEL may deploy MMEs and retake the readings at contractor's cost.
16.4.2.12.	BHEL shall have lien on all T&P, MMEs and other equipment of the contractor brought to the site for the purpose of work awarded by BHEL. BHEL shall continue to hold the lien on all such items throughout the period of contract / extended period. The contractor and / or his sub-contractors, without the prior written approval of the Engineer, shall remove no material brought to the site for the purpose of work awarded by BHEL.
16.4.2.13.	The month wise T&P deployment plan to execute the work is to be submitted as per relevant format as per the instruction of BHEL. It shall be the contractor's responsibility to deploy the required T&P, for timely and successful completion of the job, to any extent.
16.4.3.	Obligations in respect of T&Ps and MMEs provided by BHEL
16.4.3.1.	T&P / MMEs being provided by BHEL to sub-contractor free of hire charges shall be shared by other subcontractors working for BHEL at site and the allotment done by BHEL Engineer shall be final and binding.
16.4.3.2.	BHEL T&P will be issued in basic assembled condition. Additional loose components / sub-assemblies / attachments as and when necessary, will be issued by BHEL. Assembly of such additional loose components/sub-assemblies/ attachments is in contractor's scope.
16.4.3.3.	Increasing / shortening of the crane boom to suit work requirements shall have to be arranged by the indenting contractor at his cost including restoration to a state as directed by BHEL. All necessary manpower tools, support, consumables, illumination etc. will have to be arranged by contractor at his cost. If required, contractor has to return the crane with original boom.
16.4.3.4.	The area and infrastructure development of the area to be carried out by the customer. However, in construction projects of this magnitude it is possible that all the areas / approaches may not be ready. In such cases arrangement of sleepers etc. for safe operation / movement of equipment including cranes / trailers etc. shall be the responsibility of the contractor at his cost. No compensation on this account shall be payable.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.4.3.5.	In the event of contractor not using and maintaining BHEL T&Ps according to BHEL's instructions. BHEL will have the right to withdraw such item without any notice and no claim in this regard shall be entertained and contractor shall be responsible for delay in execution on this account.
16.4.3.6.	The contractor shall furnish regular utilization report of the BHEL T&Ps, as per requirement of BHEL.
16.4.3.7.	Any loss / damage to any part of BHEL T&Ps and MMEs shall be to the contractor's account and any expenditure on these accounts by BHEL will be recovered from the contractor's bill in case the contractor fails to make good the loss.
16.4.3.8.	It shall be responsibility of the contractor to take delivery of T&Ps and MMEs from stores or place of use by other contractor at project site, transport the same to site and return the same to BHEL store / place as intimated by Engineer in project site in good working conditions after use.
16.4.3.9.	<p>The contractor shall return BHEL T&Ps and MMEs issued to him in good working condition as and when desired by BHEL (on completion or reduction of workload). If contractor delays return of T&P and MME, hire charges as applicable shall be levied by BHEL from time, it was requisitioned till the time of actual return.</p> <p>T&Ps and MMEs returned in damaged / unserviceable condition shall be got repaired by BHEL at its own discretion and actual expenses incurred plus 5% overheads shall be recovered from the contractor.</p>
16.4.3.10.	Replacement cost including BHEL overheads in respect of irreparable / completely damaged / non-return of T&Ps and MMEs shall be recovered from the contractor's running / final bills
16.4.4.	Obligations in respect of Cranes provided by BHEL
16.4.4.1.	<p>BHEL will make available the cranes (as specified elsewhere in Technical Conditions of Contract) free of charge to the contractor on sharing basis mainly for the purposes enumerated/indicated therein. BHEL cranes have to be shared with other agencies / contractors of BHEL. The allocation of cranes shall be the discretion of BHEL engineer, which shall be binding on the contractor.</p> <p>The Crane shall be available for (14) fourteen hours inclusive of one-hour lunch break daily, excluding Sundays and scheduled Holidays. For Crane working beyond normal working hours or on Sundays /Holidays, prior permission of the BHEL Site In-charge/ Construction Manager is to be obtained. However, BHEL Site In-charge/ Construction Manager's decision in this regard will be final after judging the proficiency of the contractor's crane requirement.</p>
16.4.4.2.	BHEL Cranes may be initially issued in basic assembled condition. Any alteration/addition like boom reduction / extension, assembly of components/sub-assemblies needed for modulating the capacity/reach/other features of cranes and restoration to the state as directed by BHEL shall be the contractor's responsibility.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.4.4.3.	<p>The day-to-day upkeep and running maintenance of BHEL Cranes are excluded from the scope. However, any additional helpers if any required during Preventive / Breakdown Maintenance, Assembly / disassembly shall be provided by contractor at no extra cost.</p> <p>BHEL may also provide cranes through crane hiring agencies in which case the day-to-day upkeep and running maintenance shall be excluded from scope of contractor.</p>
16.4.4.4.	Minor consumables like cotton cloth, cotton waste, etc. is to be supplied by Contractor. All spares and lubricants/grease are excluded from scope.
16.4.4.5.	VOID
16.4.4.6.	BHEL cranes will be withdrawn for regular and capital maintenance as per the respective schedule of maintenance. As far as possible such schedules will be intimated to the contractor in advance and may be adjusted depending on the work requirements at site. However, no claim whatsoever will be entertained on account of non-availability of cranes.
16.4.4.7.	Where the services of the cranes provided by BHEL are to be shared by other agencies / contractors of BHEL, the contractor's responsibilities defined above will also be apportioned accordingly to the beneficiary agency. Working arrangements in this regard will be done at site by BHEL engineer and in any case his decision shall be final and binding.
16.4.4.8.	Major breakdowns will be attended to by BHEL. However, in case of breakdowns or damages due to negligence of the contractor, the complete service/repair charges including cost of spares plus 5% overheads shall be recovered from the contractor.
16.5.	RESPONSIBILITIES OF CONTRACTOR IN RESPECT OF LABOUR, SUPERVISORY STAFF, ETC.
16.5.1.	Refer relevant clauses of General Conditions of Contract (GCC) also in this regard
16.5.2.	The contractor shall deploy all the necessary skilled/semiskilled/ unskilled labour including highly skilled workmen etc. These workmen should have previous experience on similar job. They shall hold valid certificates wherever necessary. BHEL reserves the right to insist on removal of any employee of the contractor at any time if he is found to be unsuitable and the contractor shall forthwith remove him.
16.5.3.	Contractor shall also comply with the requirements of local authorities/ project authorities calling for police verification of antecedents of the workmen, staff etc.
16.5.4.	It is the responsibility of the contractor to engage his workmen in shifts and or on overtime basis for achieving the targets set by BHEL. This target may be set to suit BHEL's commitments to its customer or to advance date of completion of events or due to other reasons.
16.5.5.	Contractor shall provide at suitable arrangement for urinal and drinking water facility with necessary plumbing & disposal arrangement including construction of septic tank. These installations shall be maintained in hygienic condition at all times.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.5.6.	The Contractor in the event of engaging 20 or more workmen, shall obtain Independent license under the Contract labour (Regulation and Abolition) Act 1970 from the concerned authorities based on Form-V issued by the Principal Employer/Customer. In order to issue Form-V by Customer, Contractor shall fulfill all Statutory requirements like Insurance Policy, PF Code/PF Account number etc. as per the requirement of BHEL/Customer
16.5.7.	Contractor shall deduct the necessary amount towards Provident Fund and contribute equal amount as per Government of India laws. This amount will be deposited regularly to the provident Fund Commissioner. BHEL/Customer may insist for submission of the account code duly certified by PF Commissioner
16.5.8.	Contractor may also be required to comply with provisions of ESI Act in vogue if applicable and submit evidence to BHEL.
16.5.9.	BHEL / customer may insist for witnessing the regular payment to the labour. They may also like to verify the relevant records for compliance with statutory requirements. Contractor shall enable such facilities to BHEL / Customer.
16.5.10.	Contractor shall deploy only qualified and experienced engineers/ supervisors. They shall have professional approach in executing the work.
16.5.11.	The contractor's supervisory staff shall execute the work in the most professional manner in the stipulated time. Accuracy of work and aesthetic finish are essential part of this contract.
16.5.12.	The supervisory staff employed by the contractor shall ensure proper outturn of work and discipline on the part of the labour put on the job by the contractor. Also, in general they should see that the works are carried out in a safe and proper manner and in coordination with other labour and staff employed directly by BHEL or other contractors of BHEL or BHEL's client.
16.5.13.	It is the responsibility of the contractor to arrange gate pass for all his employees, T&P etc. for entering the project premises. Necessary coordination with customer officials is the responsibility of the contractor. Contractor to follow all the procedures laid down by the customer for making gate passes. Where permitted, by customer / BHEL, to work beyond normal working hours, the contractor shall arrange necessary work permits for working beyond normal working hours.
16.5.14.	The actual deployment of Labour and Engineer / supervision staff shall be so as to satisfy the erection and commissioning targets set by BHEL. If at any time, it is found that the contractor is not in a position to deploy the required engineers / supervisors / workmen due to any reason, BHEL shall have the option to make alternate arrangements and recover the expenses incurred from the dues payable to contractor. The expenditure incurred along with BHEL overheads thereon shall be recovered from the contractor.
16.5.15.	Contractor shall not deploy women labour at night.
16.6.	MATERIAL HANDLING, STORAGE AND PRESERVATION ETC
16.6.1.	MATERIAL HANDLING AND STORAGE
16.6.1.1.	All the equipments/materials furnished under this contract shall be stored in the storage spaces in a manner so that they are easily retrievable. While handling/issuing material in BHEL / customer stores, the contractor shall ensure that the balance / other materials are stacked back immediately.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.6.1.2.	The contractor shall endeavor to store / stack / identify materials properly in their open / close / semi closed / tarpaulins covered storage yard / shed. They should take the delivery of the same, following the procedure indicated by BHEL.
16.6.1.3.	The contractor shall process issue of components, equipment / consumables from storage area to erection agency after getting the approval of BHEL Engineer on standard indent forms.
16.6.1.4.	The contractor shall identify and deploy necessary Engineers / supervisors / workmen for the above work in sufficient number as may be needed by BHEL, for areas covering their scope.
16.6.1.5.	All the equipment shall be handled very carefully to prevent any damage or loss. No untested wire ropes / slings etc. shall be used for unloading / handling. The equipment shall be properly protected to prevent damage either to the equipment or to the floor where they are stored.
16.6.1.6.	Contractor shall ensure that while lifting slings shall be put over the points indicated on the equipment or as indicated in the manufacturer's drawings. Slings / shackles of proper size shall be used for all lifting and rigging purposes. All care shall be taken to safe guard the equipment against any damage. Dragging of piping / valves should be avoided. In case of any damage the cost shall be covered from the contractor.
16.6.1.7.	Approach road conditions within the storage area and from stores / yards to the erection site may not be equipped and ideal for smooth transportation of the equipment. Contractor may have to be adequately prepared to transport the materials under the above circumstances without any extra cost. The contractor may familiar himself with soil conditions at site. Any damage to the materials due to improper lifting practices or failure of ropes/slings used by vendor shall be recovered by BHEL from vendor. Recoveries shall be actual expenses incurred plus 5% overheads.
16.6.1.8.	Void
16.6.1.9.	The contractor shall maintain an accurate and exhaustive record-detailing out the list of all material received by him and keep such record open for the inspection of the engineer at any time.
16.6.1.10.	All the material stored in the open or dusty locations must be covered with suitable weather proof / fire retardant covering material wherever applicable and shall be blocked up on raised level above ground. All covering materials including blocks and sleeper shall be arranged by the contractor at his cost.
16.6.1.11.	If the material belonging to the contractor are stored in area other than those earmarked for his operation the engineer will have the right to get it moved to the area earmarked for the contractor and the cost along with applicable overheads shall be recovered from Contractor. Recoveries shall be actual expenses incurred plus 5% overheads.
16.6.1.12.	The Engineer will direct the contractor about material, the items in his opinion which will require indoor storage, and the contractor shall comply with Engineer's decision.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.6.1.13.	It shall be the responsibility of the contractor to keep the work / storage areas in neat, tidy and working conditions. All surplus/unusable packing and other materials shall be removed and deposited at location(s) specified by BHEL within the project premises. If required weighing of the same within the project premises will have to be carried out.
16.6.2.	PRESERVATION OF COMPONENTS
16.6.2.1.	After receipt, plant materials storage shall be subjected to the following protection besides other provisions indicated in these specifications elsewhere.
16.6.2.2.	Items stored outdoors shall be stacked up at least six inches (6") off the ground. Items should not be stored in a low lying area where water logging is a possibility. Contractor should have sufficient numbers of sleepers for the job.
16.6.2.3.	Motors, valves, electrical equipment, control equipment and instruments, and special or precision items requiring special care, etc shall be stored indoors. Motor windings shall be kept dry by use of external heat or space heaters. Any loose items supplied along the motors, electrical equipment like Junction Boxes, Lugs, Cable Glands etc are to be kept under the safe custody of the bidder.
16.6.2.4.	Bearings and other wearing surfaces of plant materials shall be protected against corrosion and kept clean and should be regularly monitored.
16.6.2.5.	Insulation materials shall be stored indoors or otherwise protected against getting wet/ damaged, using suitable measures and should be protected from direct rain.
16.6.2.6.	It shall be the responsibility of the contractor to apply preservatives / touch up paints (primer) on equipment handled, as per preservation manual. It shall be contractor's responsibility to apply required paints (primer), thinners, labour, scaffolding materials, cleaning materials like wire brush, emery sheets, etc., cleaning of surface and provide one coat of preservatives / paints (primer) from time to time as decided by BHEL engineer, the scope of arranging preservatives shall be as per the scope mentioned elsewhere in TCC.
16.6.2.7.	VOID
16.6.2.8.	Any failure on the part of contractor to carry out works according to above clauses will entail BHEL to carry out the job from any other party and recover the cost from contractor.
16.7.	DRAWINGS AND DOCUMENTS
16.7.1.	The contractor shall for the purpose of identification and proper traceability of material, divide the storage space in grids with approach roads for proper mobility of material handling equipments. Each grid shall be assigned an identification code. The same shall be displayed in the storage yard. A layout drawing for each storage yard depicting the grids marked with identification code shall be maintained by the contractor.
16.7.2.	In case of restacking/shifting of material to a different storage place, the contractor has to maintain the records of material shifted with trail of earlier stacking location.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.7.3.	The contractor shall maintain a record of preservation activities carried out on daily basis.
16.7.4.	The data furnished in various annexure enclosed with this tender specification are only approximate and for guidance. However, the change in the design and in the quantity may occur as is usual in any such large scale of work. The contractors quoted rates shall be inclusive of the above factor.
16.7.5.	Should any error or ambiguity be discovered in the specification or information the contractor shall forthwith bring the same to the notice of BHEL before commencement of work. BHEL's interpretation in such cases shall be final and binding on the contractor.
16.8.	INSPECTION AND QUALITY
16.8.1.	Inspection, Quality Assurance, Quality Control
16.8.1.1.	A daily log book should be maintained by every supervisor / engineer of contractor on the job in duplicate (one for BHEL and one for contractor) for detailing and incorporating for the material handling activities carried out, including preservation, verification of received material issue of material etc.
16.8.1.2.	Contractor shall provide all the Measuring Monitoring Equipments (MMEs) required for completion of the work satisfactorily. These MMEs shall be of brand, quality and accuracy specified by BHEL Engineer and should have necessary calibration and other certificates as per the requirement of BHEL Engineer. Decision of BHEL Engineer regarding acceptance or otherwise of the measuring instruments / gauges / tools for the work under this specification, is final and binding on the contractor. BHEL may give an indicative list of MMEs required for this work and to be made available by the contractor. The list will be reviewed by BHEL and the contractor shall meet any augmentation needed wherever required.
16.8.1.3.	BHEL, Power Sector Regions (PSNR / PSER / PSWR / PSSR) have already been accredited with ISO 9001 certification and as such this work is subject to various audits to meet ISO 9001 requirements. One particular aspect which needs special mention is about arrangement of calibration of instruments by the contractor. Contractor shall ensure deployment of reliable and calibrated MMEs (Measuring and Monitoring Equipments). The MMEs shall have test / calibration certificates from authorized / Government approved / Accredited agencies traceable to National / International Standards. Re-testing / re-calibration shall also be arranged at regular intervals during the period of use as advised by BHEL Engineer within the contract price. The contractor will also have alternate arrangements for such MMEs so that work does not suffer when the particular equipment / instrument is sent for calibration. Also if any MMEs not found fit for use, BHEL shall have the right to stop the use of such item and instruct the contractor to deploy proper item and recall i.e. repeat the readings taken by that instrument, failing which BHEL may deploy MME and retake the readings at Contractor's cost.
16.8.1.4.	Total Quality is the watchword of the work and Contractor shall strive to achieve the Quality Standards, procedures laid down by BHEL. He shall follow all the instructions as per BHEL drawings and Quality Standards.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.8.2.	Stage Inspection By FES / QA Engineers
16.8.2.1.	<p>Apart from day-to-day inspection by BHEL Engineers stationed at Site and Customer's Engineers, inspection of equipments in storage shall also be conducted by teams of Engineers from Field Engineering Services of BHEL's Manufacturing Units, Quality Assurance teams from Field Quality Assurance, Unit/Factory Quality Assurance and Commissioning Engineers from Technical Services etc. Contractor shall arrange all labour, tools and tackles etc. along with proper access for such stage inspections free of cost.</p>
16.8.2.2.	<p>Any modifications suggested by BHEL FES and QA Engineers' team shall be carried out. Claims of contractor, if any, shall be dealt as per contract, and provided such modifications have not arisen for reasons attributable to the contractor.</p>
16.8.3.	Statutory Inspection of Work
16.8.3.1.	<p>Sometimes the materials stacked at storage space and the facilities has to be offered for inspection, to various statutory authorities for compliance with applicable regulations.</p> <p>The statutory inspections, though not limited to, are as under:</p> <ol style="list-style-type: none"> 1) Inspectorate of Steam Boilers and Smoke Nuisance. 2) Electrical Inspector. 3) Factory Inspector, Labour Commissioner, PF Commissioner and other authority connected to this project work. <p>The scope includes providing assistance for inspection visits of statutory authority periodically as per BHEL Engineer's instructions, arranging materials for ground inspection.</p>
16.8.3.2.	<p>The Quality Management System of BHEL, Power Sector Regions (PSNR / PSEER / PSWR / PSSR) have already been certified and accredited under ISO 9002 standards in this regard. The basic philosophy of the Quality Management System is to define the organizational responsibility, work as per documented procedures, verify the output with respect to acceptance norms, identify the non-conforming product / procedure and take corrective action for removal of non-conformance specifying the steps for avoiding recurrence of such non-conformities, & maintain the relevant quality records. The non-conformities are to be identified through the conduct of periodical audit of implementation of quality systems at various locations/stages of work. Suppliers / vendors of various products / services contributing in the work are also considered as part of the quality management system. as such the contractor is expected not only to conform to the quality management system of BHEL but also it is desirable that they themselves are accredited under any quality management system standard.</p>
16.8.4.	Field Quality Assurance

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVI: Special Condition of Contract

16.8.4.1.	Contractor shall carry out all activities conforming Field Quality Plan (FQP) as per requirement to be finalised at site, and as revised from time to time. Total quality shall be the watchword of the work and contractor shall strive to achieve the quality standards, procedures laid down by BHEL. He shall follow all the instructions as per BHEL drawings and quality standards. Contractor shall provide the services of quality assurance engineer as per the relevant clauses.
16.9.	Health, Safety & Environment Obligations
16.9.1.	OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENT MANAGEMENT / QUALITY ASSURANCE PROGRAMME: BHEL, Power Sector Regions (PSNR / ER / WR / SR) are each certified for ISO 9001. Quality of work to customer's satisfaction and fulfillment of system requirements are the essence of ISO 9001 certification. BHEL, PS Regions have HSE certification (ISO 14001: 2015 & ISO 45001:2018) and therefore Contractor also shall organize / plan/ perform all their activities to meet with the applicable requirements of these standards.
16.9.2.	HSE (Health, safety & Environment): Contractor will comply with HSE (Health, safety & Environment) requirements of BHEL as per the "HSE Plan for Site Operations by Subcontractor" and "Project Specific Safety requirements" issued along with tender. In case of conflict between any clause of these two documents stringent clause shall prevail.
16.10.	RA Bill Payments
16.10.1.	The contractor shall submit his monthly RA bills with all the details required by BHEL on specified date every month covering progress of work in all respects and areas for the previous calendar month prescribed format with clearance from HSE, Quality and HR.
16.10.2.	Mode of payment and measurement of work completed shall be as per relevant clauses of General Conditions of Contract
16.10.3.	Release of payment in each running bill including PVC Bills where ever applicable will be as per stages of progressive pro rata payments.
16.10.4.	The payment for running bills will normally be released within 30 days of submission of running bill complete in all respects with all documents. It is the responsibility of the contractor to make his own arrangements for making timely payments towards labour wages, statutory payments, outstanding dues etc. and other dues in the meanwhile. 60% of RA Bills complete and correct in all respects and certified by BHEL Engineer, shall be paid within 15 days of receipt. Balance payment shall be within 30 days.
16.10.5.	BHEL shall release payment through Electronic Fund Transfer (EFT)/RTGS. In order to implement this system, Contractor to furnish details pertaining to his Bank Accounts where proceeds will be transferred through BHEL's banker, as per prescribed formats: Note: BHEL may also choose to release payment by other alternative modes as applicable

TECHNICAL CONDITIONS OF CONTRACT (TCC)
Chapter-XVI: Special Condition of Contract

16.10.6.	Paying Authority shall be the Construction Manager of the Site. Any change in the paying Authority shall be intimated to the Contactor accordingly.
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter-XVII : TECHNICAL SPECIFICATIONS AND DRAWINGS

17.0	Following Technical Specifications shall be integral parts of this tender (attached separately):
17.1	Annexure-1-General Plot Plan Drawing No.PE-DG-537-100-M001 (TENDER STAGE DRAWING FOR BIDDER'S INFORMATION ONLY)
17.2	Annexure-2-HSE Plan for Subcontractors-14 Rev 02
17.3	Annexure-3- Project-Specific Safety Requirements
17.4	Annexure-4-BHEL T&P Hire Charges
17.5	Annexure-5-Gen. Layout arrangement & Typ. Layout for workmen Shed
17.6	Annexure-6-Standard Guidelines for Worker's Accommodation at BHEL's Project Site
17.7	Void
17.8	Annexure-8-Applicable Wage rates in MPPGCL
17.9	Annexure-9-IP Camera Specification
NOTES:	
1	Above documents have been uploaded separately.

MAJOR HIGHLIGHTS OF THE TENDER- TCC

CPC TENDER NO. BHEL/CPC/AKT/C_MM/27/001

BROAD SCOPE OF JOB: MATERIAL HANDLING AND MANAGEMENT WORKS- RECEIPT, UNLOADING, VERIFYING, SHIFTING, STACKING, PRESERVATION, HANDLING AND HANDING OVER OF COMPONENTS OF BOILER WITH AUXILIARIES INCLUDING MILLS & FEEDERS ETC.; ESP WITH AUXILIARIES, STEAM TURBINE & AUXILIARIES; TURBO-GENERATOR & AUXILIARIES; PUMPS WITH AUX., ROTATING MACHINES, TANKS & VESSELS, COMPLETE ELECTRICAL, CONTROLS AND INSTRUMENTATION EQUIPMENTS, PANELS, CABLES / CABLE TRAYS, AND OTHER RELATED ITEMS INCLUDING ITEMS OF BOILER, TG & OTHER MISCELLANEOUS PACKAGES; HP&LP PIPING; REFRACTORY & INSULATION WITH CLADDING MATERIALS; BHEL T&P; COMPONENTS & EQUIPMENT OF VARIOUS OTHER SYSTEMS, PRE-FABRICATED STRUCTURES, STRUCTURAL & REINFORCEMENT STEEL, CEMENT, SUPPLY INSTALLATION AND MAINTENANCE OF CCTV CAMERA AND PROVIDING SERVICES FOR MATERIALS HANDLING AND MANAGEMENT AT AMARKANTAK TPS, UNIT-6 (1X660 MW), CHACHAI, M.P, INDIA.

SL. NO.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
1.	Duration of Contract	48 Months
2.	Price Variation Compensation (GCC clause 2.17)	Applicable for Section A (A1, A2 & A3) only. Not Applicable for Section B, C, D & E.
3.	Over Run Compensation (GCC Clause 2.12)	Applicable for Section A (A1, A2 & A3) only. Not Applicable for Section B, C, D & E.
4.	Interest Free Mobilization Advance (GCC Clause 2.13.1)	5% of the Contract Value in three instalments as specified in TCC. (Chapter VII of TCC)
5.	Security Deposit (SD) (GCC Clause 1.10)	5% of Contract Value and shall be furnished before Commencement of Work. SD to be released after completion of Guarantee Period.
6.	Retention Amount (RA) (GCC Clause 2.22)	5% of contract value and shall be furnished before the first RA Bill becomes due for payment. Alternatively, on successful bidder's request, the Retention Amount can also be recovered at the rate of 10% of the gross amount, progressively, from each of the running bills of the contractor till the total amount of the required retention amount is collected. RA to be released along with Final Bill.
7.	Reverse Auction	Not Applicable
8.	T&Ps and MMEs (TCC Chapter-IV)	All T&Ps are to be provided by the Contractor as per Chapter-IV of TCC.
9.	T&PS AND MMES to be provided by BHEL (TCC Chapter-V)	Refer Chapter V of TCC
10.	Construction Power: (Clause 3.2.1, 3.11 of TCC Chapter – III)	Construction power (three phase, 415 V/ 440 V) Construction Power shall be provided at single point source on free of charge basis as and when made available at site at a distance of approx. 500 meters as finalised at site, however contractor has to make his own arrangement to meet power requirement in case of delay in availability of single source or any kind of power interruptions during the course of the project. However, it may be noted that apart from above, Power source for CCTV Camera shall be provided by BHEL at

MAJOR HIGHLIGHTS OF THE TENDER- TCC

CPC TENDER NO. BHEL/CPC/AKT/C_MM/27/001

BROAD SCOPE OF JOB: MATERIAL HANDLING AND MANAGEMENT WORKS- RECEIPT, UNLOADING, VERIFYING, SHIFTING, STACKING, PRESERVATION, HANDLING AND HANDING OVER OF COMPONENTS OF BOILER WITH AUXILIARIES INCLUDING MILLS & FEEDERS ETC.; ESP WITH AUXILIARIES, STEAM TURBINE & AUXILIARIES; TURBO-GENERATOR & AUXILIARIES; PUMPS WITH AUX., ROTATING MACHINES, TANKS & VESSELS, COMPLETE ELECTRICAL, CONTROLS AND INSTRUMENTATION EQUIPMENTS, PANELS, CABLES / CABLE TRAYS, AND OTHER RELATED ITEMS INCLUDING ITEMS OF BOILER, TG & OTHER MISCELLANEOUS PACKAGES; HP&LP PIPING; REFRACTORY & INSULATION WITH CLADDING MATERIALS; BHEL T&P; COMPONENTS & EQUIPMENT OF VARIOUS OTHER SYSTEMS, PRE-FABRICATED STRUCTURES, STRUCTURAL & REINFORCEMENT STEEL, CEMENT, SUPPLY INSTALLATION AND MAINTENANCE OF CCTV CAMERA AND PROVIDING SERVICES FOR MATERIALS HANDLING AND MANAGEMENT AT AMARKANTAK TPS, UNIT-6 (1X660 MW), CHACHAI, M.P, INDIA.

SL. NO.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
		ground level at each of the pole from where Power will be utilized for CCTV Operation. For details Bidders are requested to refer Chapter- III of TCC.
10.	Construction Water: (Clause 3.3.1, 3.12)	Construction Water may be provided at single point on free of charge basis as and when made available at site (tentatively 03 months), however contractor has to make his own arrangement to meet Water requirement in case of delay in availability of single source or any kind of interruptions during the course of the project. Bidder has to make arrangement of further distribution of water at his own cost. No extra payment shall be made under this account. For details Bidders are requested to refer Chapter- III of TCC.
11.	BOQ	<ol style="list-style-type: none">1. Item rate are available for Cranes2. Item rate are available for Grass Cutting Service3. Item rate are available for Weigh bridge Operation & Maintenance.4. Item rates are available for CCTV supply, installation and Maintenance work For details Bidders are requested to refer Chapter- XIV of TCC

Note: The above is for reference only. Bidders are requested to go through the complete tender documents for preparation of their offer.