

TENDER SPECIFICATION

Tender Specification No: 2506190

Scope of Work: Supply, installation and maintenance of IP based Announcement & CCTV system along with Vehicle Speed Detection system including all necessary hardware, software and licenses, which shall be used for monitoring safety during construction from Safety Control Room of 2X660 MW MAHAGENCO Koradi Project, MAHAGENCO Koradi, Chhindwara Road, Koradi, Maharashtra – 441111.

VOLUME I – TECHNICAL BID

THIS TENDER SPECIFICATION CONSISTS OF:

Notice Inviting Tender	
Volume-IA	Technical Conditions of Contract
Volume-IB	General Conditions of Contract
Volume-IC	Techno-Commercial Compliance Sheet
Volume II	Price Bid



Bharat Heavy Electricals Limited
(A Government of India Undertaking)
Power Sector - Western Region
345-Kingsway, Nagpur-440001

CONTENTS

Volume No	Description	Hosted in website bhel.com (Briefly) and detailed in BHEL e-Procurement Portal as files titled
NIL	Tender Specification Issue Details	(Part of Vol-IA-2506190)
NIL	Notice Inviting Tender	(Part of Vol-IA-2506190)
I-A	Technical Conditions of Contract	(Vol-I-A-2506190)
I-B	General Conditions of Contract	(Vol-IB-2506190)
I-C	Technical Commercial Compliance Sheet	(Vol-I-C-2506190)
II	Price Bid Specification as specified in E-Procurement Portal	(Volume-II-2506190)



Bharat Heavy Electricals Limited
(A Government of India Undertaking)
Power Sector - Western Region
345-Kingsway, Nagpur-440001

E-TENDER SPECIFICATION

Tender Specification No: 2506190

Scope of Work: Supply, installation and maintenance of IP based Announcement & CCTV system along with Vehicle Speed Detection system including all necessary hardware, software and licenses, which shall be used for monitoring safety during construction from Safety Control Room of 2X660 MW MAHAGENCO Koradi Project, MAHAGENCO Koradi, Chhindwara Road, Koradi, Maharashtra – 441111.

EARNEST MONEY DEPOSIT : Refer Notice Inviting Tender

LAST DATE FOR TENDER SUBMISSION : Refer Notice Inviting Tender

THESE TENDER SPECIFICATION DOCUMENTS CONTAINING VOLUME-I AND VOLUME- II ARE ISSUED TO:

M/s.

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PLEASE NOTE:
THESE TENDER SPECS DOCUMENTS ARE NOT TRANSFERABLE.

For Bharat Heavy Electricals Limited

General Manager (Purchase)

Place: Nagpur, Maharashtra

Date:

2506190

NOTICE INVITING TENDER

Bharat Heavy Electricals Limited



Bharat Heavy Electricals Limited Power Sector Western Region

Notice Inviting Tender

E-Tender Spec No: 2506190

Page 5 of 64

NOTICE INVITING TENDER (NIT)

To,

Dear Sir/Madam,

Sub : NOTICE INVITING E-TENDER

Sealed offers in **Two Part Bid System** (National Competitive Bidding (NCB) or International Competitive Bidding (ICB)) are invited from reputed & experienced bidders (meeting [PRE QUALIFICATION CRITERIA](#) as mentioned in **Annexure-1**) through E-Procurement Portal <https://eprocurebhel.co.in> only, 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

SI No	ISSUE	DESCRIPTION	
i	TENDER NUMBER	2506190	
ii	Broad Scope of job	Supply, installation and maintenance of IP based Announcement & CCTV system along with Vehicle Speed Detection system including all necessary hardware, software and licenses, which shall be used for monitoring safety during construction from Safety Control Room of 2X660 MW MAHAGENCO Koradi Project, MAHAGENCO Koradi, Chhindwara Road, Koradi, Maharashtra – 441111	
iii	DETAILS OF TENDER DOCUMENT		
A	Volume-IA	Technical Conditions of Contract (TCC)	Applicable
B	Volume-IB	General Conditions of Contract (GCC)	Applicable
C	Volume-IC	Techno-Commercial Compliance Sheet	Applicable
F	Volume-II	Price Schedule (Absolute value).	Applicable
iv	Issue of Tender Documents	Tender documents will be available for downloading from BHEL website (www.bhel.com) or e-procurement portal (https://eprocurebhel.co.in) as per schedule below: Start: 23/02/2026, Time: 13:00 Hrs Closes: 05/03/2026, Time: 13:00 Hrs Brief information of the tenders shall also be available at central public procurement portal. (https://eprocure.gov.in/epublish/app)	Applicable
v	DUE DATE & TIME OF OFFER SUBMISSION	Date: 05/03/2026, Time: 13:00 Hrs The bidder should submit their offer online only in e-Procurement portal at https://eprocurebhel.co.in	Applicable

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Website: www.bhel.com

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 6 of 64

SI No	ISSUE	DESCRIPTION	
		<p><u>Bidders are requested to upload their offer well in advance in order to avoid last minute congestion at this website.</u></p> <p>Hard copy Bid or Bids through E-mail / Fax shall not be accepted.</p>	
vi	OPENING OF TENDER (Techno-Commercial Bid)	<p>Date, Time: 05/03/2026, 17:00 Hrs</p> <p>Notes: (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 depute representative to witness the opening of tender. For e-Tender, Bidder may witness the opening of tender through e-Procurement portal only.</p>	Applicable
vii	EMD AMOUNT	<p>NIL</p> <p>Important Note: Bidders kindly to take note that EMD (Earnest Money Deposit) shall be furnished by MSE bidders as well, as per the amount and procedure indicated in the NIT/GCC.</p>	Not Applicable
viii	COST OF TENDER	NIL	Not Applicable
ix	LAST DATE FOR SEEKING CLARIFICATION	<p>One day before due date of offer submission. Along with soft version also, addressing to undersigned & to others as per contact address given below:</p> <p>1) Name: Subhransu Moharana Designation: Engineer Department: Purchase Address: Floor No. 5 & 6, Shree Mohini Complex, 345 Kingsway, Nagpur-440001 Mobile-+919425402649 Email: moharana@bhel.in</p> <p>2) Name: Sh Biraj Roy Designation: Sr Manager Department: Purchase Address: Floor No. 5 & 6, Shree Mohini Complex, 345 Kingsway, Nagpur-440001 Mobile-+91 9587886706 Email: birajroy@bhel.in</p> <p>3) Name: Sh V K Arya</p>	Applicable

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Website: www.bhel.com

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 7 of 64

SI No	ISSUE	DESCRIPTION	
		Designation: General Manager Department: Purchase Address: Floor No. 5 & 6, Shree Mohini Complex, 345 Kingsway, Nagpur-440001 Mob: +918684041477 Email: vkarya@bhel.in	
x	SCHEDULE OF Pre Bid Discussion (PBD)	---	Not Applicable
xi	INTEGRITY PACT & DETAILS OF INDEPENDENT EXTERNAL MONITOR (IEM)	1) Shri Bishwamitra Pandey, IRAS (Retd.) 2) Shri Mukesh Mittal, IRS (Retd.)	Not Applicable
xii	Latest updates	Latest updates on the important dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Errata, Modifications, Revisions, etc to Tender Specifications will be hosted in BHEL webpage (www.bhel.com --> Tender Notifications → View Corrigendum), & on e-tender portal https://eprocurebhel.co.in and not in the newspapers. Bidders to keep themselves updated with all such information.	--

2.0 The offer shall be submitted as per the instructions of tender document and as detailed in this NIT. Bidders to note specifically that all pages of tender document, including these NIT pages of this particular tender together with subsequent correspondences shall be submitted by them, duly signed digitally using Class III DSC & uploaded in E-Procurement Portal, as part of offer. **Rates/Price including discounts/rebates, if any, mentioned anywhere/in any form in the techno-commercial offer other than the Price Bid, shall not be entertained.**

3.0 Not Used

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

For **Electronic Fund Transfer** the Details are as below:-

NAME OF THE BENEFICIARY	BHARAT HEAVY ELECTRICALS LTD
ADDRESS OF THE COMPANY	5th Floor, SHREE MOHINI COMPLEX 345, KINGSWAY, NAGPUR
NAME OF BANK	STATE BANK OF INDIA
NAME OF BANK BRANCH AND BRANCH CODE	SBI, NAGPUR MAIN BRANCH , CODE-00432

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

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 8 of 64

CITY	NAGPUR
ACCOUNT NUMBER	40227423158
ACCOUNT TYPE	MC-C C Clean (C&I)
IFSC CODE OF THE BENEFICIARY BANK BRANCH	SBIN0000432
MICR CODE OF THE BANK BRANCH	440002002

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

5.0 Procedure for Submission of Tenders:

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

Documents Comprising the e-Tender

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

a. Technical Tender (UN Priced Tender)

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

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

b. Price Bid:

- i. Prices are to be quoted in the attached Price Bid format online on e-tender portal.
- ii. The price should be quoted for the accounting unit indicated in the e-tender document.

Note:

- It is the responsibility of tenderer to go through the Tender document to ensure furnishing all required documents in addition to above, if any. Any deviation would result in REJECTION of tender and would not be considered at a later stage at any cost by BHEL.
- 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.
- 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.

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

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 9 of 64

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**)

BHEL has finalized the e-procurement service Provider:-

NIC PORTAL (<https://eprocurebhel.co.in>)

For E-PROCUREMENT ASSISTANCE & TRAINING, NIC PORTAL HELPDESK CONTACTS AS PER FOLLOWING:

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

0120-4001 002

0120-4200 462

0120-4001 005

0120-6277 787

1. Email Support: support-eproc@nic.in

Other details/update yourself from : <https://eprocurebhel.co.in>

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

The contact details of the DSC certifying authority:-

please refer <http://www.mca.gov.in/> → MCA SERVICES → DSC SERVICES

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

6.0 SPECIAL NOTE: All documents/ annexures to be submitted should be uploaded in respective places in the E-Tender portal as per the list mentioned given in this NIT. BHEL shall not be responsible for any incomplete documents.

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.

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 10 of 64

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8.0 BHEL reserves the right to accept or reject any or all Offers without assigning any reasons thereof. BHEL also reserves the right to cancel the Tender wholly or partly without assigning any reason thereof. Also BHEL shall not entertain any correspondence from bidders in this matter (except for the refund of EMD).

9.0 PERFORMANCE OF BIDDERS: Not Applicable

10.0 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 <https://eprocurebhel.co.in>, 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.

11.0 ~~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.~~

12.0 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.

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

14.0 ~~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. **The names and other details of Independent External Monitor (IEM) for the subject tender is as given at point (1) above.**~~

"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.~~

Sl. No.	IEM	Email
1.	<i>Dr Sarat Kumar Acharya, Ex-CMD, NLC</i>	Iem1@bhel.in
2	<i>Shri R. Mukundan, IRPS (Retired)</i>	Iem2@bhel.in

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 11 of 64

1.	Shri Madan Lal Meena, IAS (Retd.)	Iem3@bhel.in
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- (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 any of the above IEM(s). 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 provided below:

— Details of contact person(s):

Details of Contact Person(s):			
Name:	Sh V K Arya, General Manager	Biraj Roy, Sr Manager	Pratick Mondal, Engineer
Dept:	Purchase Department		
Address:	Floor No. 5 & 6, Shreemohini Complex, 345 Kingsway, Nagpur-440001		
Email:	vkarya@bhel.in	biraj@bhel.in	pratick@bhel.in
Phone:	+918684041477	+919587886706	+919422326481

- 15.0** The Bidder has to satisfy the Pre-Qualifying Requirements stipulated for this Tender in order to be qualified. The Price Bids of only those bidders will be opened who will be qualified for the subject job on the basis of satisfying the Pre-Qualification Criteria specified in this NIT as per Annexure-I (as applicable), past performance etc. and date of opening of price bids shall be intimated to only such bidders. BHEL reserves the right not to consider offers of parties under HOLD.
- 16.0** In case BHEL decides on a 'Public Opening', the date & time of opening of the sealed PRICE BID shall be intimated to the qualified bidders and in such a case, bidder may depute one authorized representative to witness the price bid opening. BHEL reserves the right to open 'in-camera' the 'PRICE BID' of any or all Unsuccessful/Disqualified bidders under intimation to the respective bidders.
- 17.0** Validity of the offer shall be for **Three Months** from the latest due date of offer submission (including extension, if any) unless specified otherwise.
- 18.0** VOID

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Website: www.bhel.com

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 12 of 64

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19.0 Reverse Auction: "BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) (<https://www.bhel.com/guidelines-reverse-auction-2024>) for this tender. RA shall be conducted among the techno-commercially qualified bidders.

Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking."

Note:-

1. No Benefits to MSE bidders shall be provided except Payment Time Line and PQR Relaxation.
2. In case of enquiry through e-procurement the sealed electronic price bid (e-bid) is to be treated as sealed envelope price bid.

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 Void

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

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

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

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

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

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

28.1.1 **Commitment by BHEL:**

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 13 of 64

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

28.1.2 Commitment by Bidder/ Supplier/ Contractor:

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

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

29.0 Micro and Small Enterprises (MSE)-Refer Annexure-11

Any Bidder falling under MSE category, shall furnish the following details & submit documentary evidence/ Govt. Certificate etc. in support of the same along with their techno-commercial offer.

Type under MSE	SC/ST owned	Women owned	Others (excluding SC/ ST & Women)
Micro			
Small			

Note: - If the bidder does not furnish the above, offer shall be processed construing that the bidder is not falling under MSE category.

- a) ~~MSE suppliers can avail the intended benefits in respect of the procurements related to the Goods and Services only (Definition of Goods and Services as enumerated by Govt. of India vide Office Memorandum F. No. 21(8)/2011-MA dtd. 09/11/2016 office of AS & DC, MSME) only if they submit along with the offer, attested copies of either Udyam Registration Certificate or EM-II certificate having deemed validity (five years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or Udyog Aadhar Memorandum (UAM) & Acknowledgement or EM-II Certificate along with attested copy of a CA certificate (format enclosed as Annexure – 3) where deemed validity of EM-II certificate of five years has expired applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the last date of Technical Bid submission. Non submission of such documents will~~

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

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 14 of 64

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lead to consideration of their bids at par with other bidders. No benefits shall be applicable for this enquiry if the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer. Documents submitted by the bidder may be verified by BHEL for rendering the applicable benefits.

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

31.0 PREFERENCE TO MAKE IN INDIA (MII/Local Content): THIS TENDER IS RESERVED FOR CLASS I LOCAL SUPPLIER

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

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

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

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 15 of 64

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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 shareholder's 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 as well as acceptance of the bids.

32.0 Bid should be free from correction, overwriting, using 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.

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 16 of 64

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

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

35.0 Order of Precedence:

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

- a. Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL
- b. Notice Inviting Tender (NIT)
- c. Price Bid Volume - II
- d. Techno-Comml – Compliance – Volume - I C
- e. Technical Conditions of Contract (TCC) - Volume- I A
- f. General Conditions of Contract (GCC) - Volume- I B

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

(General Manager - Purchase)

Enclosure:

- 1.0** Annexure-1: Pre-Qualifying Requirements.
- 2.0** ~~Annexure-2: Mandatory Self Declaration~~
- 3.0** ~~Annexure-3: Reverse Auction Process Compliance Form~~
- 4.0** Annexure-4: Authorization of Representative who will Participate in the Online Reverse Auction Process
- 5.0** Annexure-5: Reverse Auction Price Confirmation and Breakup
- 6.0** ~~Annexure-6: Integrity Pact~~
- 7.0** Annexure-7: No Liquidation
- 8.0** Annexure-8: No Deviation
- 9.0** Annexure-9: Declaration Regarding Minimum Local Content (MII/Local Content)
- 10.0** Annexure-10: Declaration Regarding Compliance to Restrictions Under Rule 144 (xi) of GFR 2017
- 11.0** Annexure-11: MSE Declaration
- 12.0** Annexure 12: Important Information.
- 13.0** Annexure 13: Bid Security Declaration

Note: All the Formats need to be filled in and to be submitted with offer. Without submission of the formats mentioned above, the offer will be rejected during evaluation.

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Website: www.bhel.com

Pre-Qualifying Requirements

Pre-Qualifying Requirements:

a) Technical PQR:

- i) The combination of offered make of IP based camera and offered make of video management software, for CCTV system, should have been in successful operation for a period of not less than one (1) year in a large industrial setup viz. power plant, cement plant, petroleum refinery, steel plants or coal mine, having installation of minimum forty (40) nos. cameras in last seven (07) years.
- ii) Agency shall provide a declaration in the given format towards the same.

Note:

- CONSORTIUM/JV BIDDING IS NOT ALLOWED.
- IN CASE THE JOB IS UNDER EXECUTION/ ONGOING JOB, THE VALUE/NOS OF EXECUTED PORTION OF THE JOB SHALL AT LEAST CORRESPOND TO THE RESPECTIVE VALUES /NOS SPECIFIED ABOVE, EVEN IF THE CONTRACT HAS NOT BEEN COMPLETED OR CLOSED.
- BIDDER SHOULD SUBMIT VALID PERMANENT ACCOUNT NUMBER (PAN).
- THE SUPPLIED QUANTITY MAY BE CONSIDERED AGAINST SINGLE PO TO MEET THE ABOVE PQ REQUIREMENT
- Bidder should submit all the documents as asked in the Technical PQR else the bid shall be treated as incomplete and shall be liable to be rejected during evaluation.
- PO shall be cross verified from end user for authenticity. If found incorrect/not meeting PQR, bid shall be rejected.
- Bidder should submit the Catalogue of the offered product mentioning model no. and complete technical details/specification.

PQR

DECLARATION

CCTV SYSTEM

We/our sub-vendor (M/s.....) confirm that we meet the provenness requirements specified above of provenness requirement. In this regard we declare that the combination of offered make of IP based camera and offered make of video management software, for CCTV system, has been in successful operation for a period of not less than one (1) year in a large industrial setup viz power plant, cement plant, petroleum refinery, steel plants or coal mine, having installation of minimum forty (40) nos. cameras, the details of which are given below.

Sl.No.	Item Description	Plant No.1
--------	------------------	------------

(i) Make/Model/Version of IP based camera & video management software

(ii) Client Name & Address

(iii) Name of Industry (Power plant, cement plant, petroleum refinery, steel plant, coal mine)

(iv) Number of cameras in above reference installation

(v) Whether above offered combination of IP based camera & video management software for CCTV has been in successful operation for a period of not less than one (1) year in a large industrial set up viz power plant, cement plant, petroleum refinery steel plant or coal mine having installation of minimum forty (40) nos. cameras	*Yes/No
--	---------

(vi) End user certificate Attached	*Yes/No
------------------------------------	---------

Seal & Signature of Authorised person

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 19 of 64

b) FINANCIAL PQR:

- i) Bidders must have achieved an average annual financial turnover (Audited) of **Rs. 60 Lac or More**, over the last three Financial Years (FY) i.e. **FY 2022-23, 2023-24 & 2024-25**.
- ii) **Audited Financial Documents of FY 2022-23, 2023-24 & 2024-25** shall be furnished in support of Turnover and this requirement shall supersede other Turnover parameters cited elsewhere. 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. In case of audited Financial statements have not been submitted for all the three years as indicated against Financial Turnover QR (Qualifying requirement) 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.

Relaxation in Pre-Qualifying Requirement (PQR) for Micro and Small Enterprises (MSE's) and Start-

ups:

- o **Technical Pre-Qualifying Requirement (PQR) for prior experience:** The technical pre-qualifying requirements, is relaxed by 50% (quantities or amount) of the original Pre-Qualifying Requirement specified in the tender (round off to the higher limit or number. Further, if the required quantity as per Original PQR is only one (1), then relaxed PQR shall also remain the same, since quantity is non-divisible in this case.)
- o **Financial Pre-Qualifying Requirement (PQR) including Turnover:** The financial pre-qualifying requirements is relaxed by 50% of the original Pre -Qualifying Requirement specified in the tender.
- o **Other Pre-Qualifying requirements** such as Machineries, BIS, or any form of licenses or customer approval or requirements other than stated in Point no. (a) and (b) above, shall remain the same for all bidders.
- o **Definition of Start-up** shall be in line with Gazette Notification No DL 33004/99 dated 19.02.2019 and subsequent amendments, if any.
- o **Bidder has to submit Factory details list** of Plant and Machinery, Manufacturing facilities, quality control details, List of manpower etc. as per format attached.

**Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender**

E-Tender Spec No: 2506190

Page 20 of 64

Annexure-2

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

Mandatory Self-Declaration

Tender Specification No: 2506190

- a) I/We, hereby solemnly affirm and state that the business which I have started is not banned or prohibited by any Act, Rules, Law or Order of any Court of Law or any competent authority and the premises where I, is/are conducting the said business is free from violation of any Act, Rules, Order of any Court of Law or any Competent Authority.

- b) I/We, have obtained necessary licenses, permissions, permit for the conduct of this business and the place of business from the appropriate Authority.

- c) I/We, declare that the place of business is not located in any area wherein commencing / running of such business is prohibited by any law or order of any Competent Authority.

- d) I/We, hereby declare that the copies submitted by me are true copies of original documents. I, am/are well aware of the fact that if the copies are found false/forged, I/We shall be liable for prosecution and punishment under the Indian Penal Code/Bharatiya Nyaya Sanhita and/or any other law applicable thereto.

- e) I/We, hereby declare that the information provided above is true and correct to the best of my/our personal knowledge, information and belief. I, am/are fully aware about the consequences of giving false information. If the information is found to be false, I, shall be liable for prosecution and punishment under the Indian Penal Code/Bharatiya Nyaya Sanhita and/or any other law applicable thereto.

Name, Sign & Seal of Bidder

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 21 of 64

Annexure-3

Reverse Auction Process Compliance Form

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

To

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

Sub: Agreement to the Process related Terms and Conditions

Dear Sir,

This has reference to the Terms & Conditions for the Reverse Auction mentioned in the RFQ document for {Items} against BHEL enquiry/ RFQ no. { BHE/PW/NGP/PUR/2506190/NIC/Mobile Storage Compactor/210MW Khaparkheda } Dated. {.....}

This letter is to confirm that:

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

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

With regards

Signature with company seal

Name:

Company / Organization:

Designation within Company / Organization:

Address of Company / Organization:

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

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Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 22 of 64

Annexure-4

Authorization of Representative who will participate in the Online Reverse Auction Process:

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

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Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 23 of 64

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Annexure-5

Reverse Auction Price Confirmation and Breakup
(To be submitted by L1 bidder after completion of Reverse Auction)

To
- M/s. *Service provider*
- *Postal address*

CC: M/s BHEL
BHEL-PSWR, 345, KINGSWAY, NAGPUR-440001

Sub: **Final Price Quoted During Reverse Auction and Price Break-up**

Dear Sir,

We confirm that we have quoted.

Rs. {__ in value & in words ____} for item(s) covered under Tender Specification No. { } Dated {...}

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

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

The price break-up is as given below.

Total =====
Rs. in value & in words
=====

Yours sincerely,

For _____

Name:
Company:
Date:
Seal:

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 Specification No:**

(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 Indian Penal Code 1860 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.~~

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 Indian Penal Code (IPC) 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 with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.~~
- 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 Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor(s) and ensure that all Sub-contractors also sign the Integrity Pact.~~
- 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)

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Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 27 of 64

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- 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.~~
- 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 Secret/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 advisory role of IEMs is envisaged as that of a friend, philosopher and guide. The advice of IEMs would not be legally binding and it is restricted to resolving issues raised by a Bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some Bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.~~
- 8.6 — ~~For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of Contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.~~
- 8.7 — ~~The IEMs would examine all complaints received by them and give their recommendations/ views to the CMD, BHEL at the earliest. They may also send their report directly to the CVO, in case of suspicion of serious irregularities requiring legal/ administrative action. Only in case of very serious issue having a specific, verifiable Vigilance angle, the matter should be reported directly to the Commission. IEMs will tender their advice on the complaints within 30 days.~~
- 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 Indian Penal Code / 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~~

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 28 of 64

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~~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. Issues like warranty/ guarantee etc. shall be outside the purview 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 till the final completion of contract for successful Bidder, and for all other Bidders 6 months after the Contract has been awarded. 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. 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. The fees/expenses on dispute resolution through mediation shall be shared by both the parties. Further, the mediation proceedings shall be confidential in nature and the parties shall keep confidential all matters relating to the mediation proceedings including any settlement agreement arrived at between the parties as outcome of mediation. Any views expressed, suggestions, admissions or proposals etc. made~~

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190

Page 29 of 64

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~~by either party in the course of mediation shall not be relied upon or introduced as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the dispute that is the subject of mediation proceedings. Neither of the parties shall present IEMs as witness in any Alternative Dispute Resolution or judicial proceedings in respect of the dispute that was subject of mediation.~~

BIRAJ ROY
SENIOR MANAGER-PURCHASE
BHEL-PSWR-NAGPUR

For & On behalf of the Principal _____ For & On behalf of the Bidder/ Contractor

(Office Seal) _____ (Office Seal)

Place _____

Date _____

Witness: _____ Witness: _____

(Name & Address) _____ (Name & Address) _____

Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190
64

Page 30 of

.....
Annexure-7

UNDERTAKING

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

To,
General Manager-PURCHASE
BHEL-PSWR, 345, KINGSWAY, NAGPUR-440001

Dear Sir/Madam,

Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS

Tender Specification No: 2506190

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:

**Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender**

**E-Tender Spec No: 2506190
64**

Page 31 of

.....
Annexure-8

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

CERTIFICATE OF NO DEVIATION

Tender Specification No.: 2506190

I/WE, M/s

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred NIT/Tender Specification.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions, Integrity Pact (if applicable) and acceptance to Reverse Auctioning process.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Signature of Tenderer & Seal

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Bharat Heavy Electricals Limited Power Sector Western Region
Notice Inviting Tender

E-Tender Spec No: 2506190
64

Page 32 of

Annexure-9

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

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

-
To,
GM-PURCHASE
BHEL-PSWR, 345, KINGSWAY, NAGPUR-440001

Dear Sir,

Sub: Declaration Reg. Minimum Local Content (MII) in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 04th June, 2020 and subsequent order(s).

Ref: 1) Tender Specification No: 2506190

2) All other pertinent issues till date

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

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

- | | |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |

Thanking you,
Yours faithfully,

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

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

Note:

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

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,
General Manager-PURCHASE
BHEL-PSWR, 345, KINGSWAY, NAGPUR-440001

Dear Sir,

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

Ref : 1) Tender Specification No: **2506190**

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),*

- a. is not from such a country
- b. 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:

- a) Select a) or b) in the given box
b) 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

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

Mandatory Declaration of MSE Status

Tender Specification No: 2506190

Mandatory Declaration ownership status (SC/ ST or Women-owned or others) along with their MSE category to be declared. This declaration, along with the Udyam Certificate, shall be mandatory for bidders to avail benefits under the Public Procurement Policy.

Any Bidder falling under MSE category shall furnish the following details & submit documentary evidence/ Govt. Certificate etc. in support of the same along with their techno-commercial offer. Fill the Format

Type under MSE	SC/ST Owned	Women Owned	Others Owned (excluding SC/ST & Women)
Micro			
Small			

Note: If the bidder does not furnish the above in the tender, offer shall be processed construing that the bidder is not falling under MSE category.

Owner/Firm

Signature & Seal of

IMPORTANT INFORMATION

1. **E -Tender** for this work is invited by BHEL PSWR NAGPUR and offer shall be submitted through BHEL e-procurement portal only. All correspondences regarding this tender shall be through E-procurement portal.

Postal Address:

General Manager-Purchase, BHEL-PSWR
Floor No. 5&6, Shri Mohini Complex
345, Kingsway, Nagpur-440001

Following are the concerned BHEL officials to whom bidders can contact in case of any difficulty:

Engineer, Purchase,	E-Mail: moharana@bhel.in	Ph: +917122858600 (Extension-735)
Sr Manager, Purchase,	E-mail: biraj@bhel.in	Ph: +917122858600 (Extension-742)
General Manager, Purchase,	E-Mail: vkarya@bhel.in	Ph: +917122858600 (Extension-000)

1. **Price Variation Clause (PVC):** Not Applicable
2. **Overrun Compensation (ORC):** Not Applicable
3. **Secured Recoverable Advance:** Not Applicable
4. **Splitting of contract:** Not-Applicable
5. **Transit Insurance:** In supplier's scope.
6. **Place of Delivery / Name and address of Bill to Party / Ship to Party / Paying Authority:**

Supplier shall mention the following address in GST Compliant Tax Invoice for payment purpose:

CONSTRUCTION MANAGER
BHEL SITE OFFICE,
NEAR GATE NO 2,
MAHARASHTRA STATE POWER GENERATION CO. LTD., KORADI COMPLEX,
CHHINDWARA ROAD, KORADI (NAGPUR) - 441 111

7. **Payment Terms :**

As per CHAPTER-V : PAYMENT TERMS.

 Note:

- ❖ Applicable GST shall be released upon compliance of following:

Vendor has declared such Invoice in their GSTR-1 & has paid the tax to the Government by filing GSTR-3B or any other return/form for payment of tax so that Vendor's invoice details appear in BHEL's GSTR-2A. Payment may not be released if above is not complied & invoice details do not appear in BHEL's GSTR-2A.

- ❖ Bank details endorsed (signed & stamped) by bank for release of payment through RTGS/EFT (format shall be made available at the time of releasing PO)
- ❖ In case of TCS is applicable, the invoice must bear TAN No. of the supplier/Seller.

8. Liquidated Damages/Penalty (for line item :

As per CHAPTER-V : PAYMENT TERMS of TCC

9. Earnest Money Deposits (EMD): Not Applicable.

10. Performance Bank Guarantee (PBG/e-PBG):

Applicable (5%)

PBG shall be in applicable for **29 (Twenty Nine)** months.

Successful Bidder to submit the PBG in the following details:

- a) **Beneficiary Name:** Bharat Heavy Electricals Limited
- b) **Account No:** 40227423158
- c) **IFSC Code:** SBIN0000432
- d) **Name of Bank:** State Bank of India
- e) **Branch Address:** Nagpur Main Branch, Branch Code-00432

Important Note: Bidders are requested to submit the BG (in Original) to BHEL, Nagpur within 15 days of Purchase Order to avoid penalty due to delay in submission.

*Format shall be as per GCC **Form No: F-11 (Rev 00), BG Format – II - BANK GUARRENTEE FOR PERFORMANCE SECURITY***

Where ever so required, the Supplier shall arrange to provide a Performance bank guarantee (PBG). The indigenous suppliers have to provide the PBG from any one of the Nationalized Banks, listed in the tender terms. However, the PBG shall be confirmed by any of the Bankers listed by us. The PBG shall guarantee the performance of the equipment / materials / items supplied and shall cover the guarantee period. The PBG shall have a claim period of 3 months in addition to the guarantee period. In the event of failure of the supplies made within the guarantee period, BHEL would encash the

entire PBG. The PBG shall be for a value as cited in the tender document.

The supplier (/s) has to get the PBG format (pre-printed) from BHEL and get the same stamped by the Banker. Change of PBG terms either by the supplier's Banker or by the supplier, after servicing of the order is not acceptable. Similarly, PBG prepared by the supplier (typed by them) will also not be acceptable to BHEL. The pre-printed form issued by BHEL shall be used for making the PBG.

Acceptance of Bank Guarantee (BG) / Performance Bank Guarantee issued by:

a. Any of the BHEL consortium bank listed below:

➤ **Nationalised Banks Nationalised Banks**

- ❖ Allahabad bank
- ❖ Andhra bank
- ❖ Bank of Baroda
- ❖ Canara Bank
- ❖ Corporation bank
- ❖ Central bank
- ❖ Indian Bank
- ❖ Indian Overseas Bank
- ❖ Oriental bank of Commerce
- ❖ Punjab National Bank
- ❖ Punjab & Sindh Bank
- ❖ State Bank of India
- ❖ State Bank of Hyderabad
- ❖ Syndicate Bank
- ❖ State Bank of Travancore
- ❖ UCO Bank
- ❖ Union Bank of India
- ❖ United Bank of India
- ❖ Vijaya Bank

➤ **Public Sector Banks**

- ❖ IDBI

➤ **Foreign banks**

- ❖ CITI Bank N.A
- ❖ Deutsche Bank AG
- ❖ The Hongkong and Shanghai Banking Corporation Limited

❖ Standard Chartered Bank

❖ J P Morgan

➤ **Private Banks**

❖ Axis Bank

❖ The Federal Bank Limited

❖ HDFC

❖ Kotak Mahindra Bank

❖ ICICI

❖ Indusind Bank

❖ Yes Bank

b. Any public sector Bank (other than consortium banks) with a clause in the text of Bank Guarantee that it is enforceable at Nagpur, Maharashtra

c. Any private sector banks, with a clause in the text of Bank Guarantee that it is enforceable by being presented at any branch of the bank

Note: "Bank Guarantees issued by Co-operative Banks are not acceptable".

d. This PBG clause is a general clause and valid wherever BG (Bank Guarantee) / PBG (Performance Bank Guarantee) / CEBG (Contract Execution Bank Guarantee) is applicable

List of banks may change from time to time, thus prior to submission of Bank Guarantee it is responsibility of successful bidder to get the confirmation of issuing Bank from BHEL

11. Tenders beyond the scheduled due time cannot be submitted by the bidders in the e-procurement portal.

12. Offer must be submitted in **Two-Part Bid only** i.e. techno-commercial bid and price bid separately. Single bid offer shall be liable for rejection.

13. Part offer shall be rejected i.e. bidder must quote for the total quantity as per Enquiry.

14. Validity of Price: Price submitted shall be valid for (a) **3 (Three) Months** from the date of opening of technical bid for the finalization of the tendering processes and (b) till the supply of full quantity of within the validity of the purchase order. Price Variation Clause (PVC) is not applicable against this tender enquiry.

15. Price: Bidders should quote the prices in Volume – II - Price Bid in the E-Procurement Portal.

16. Reverse Auction: Applicable

Broad Terms & Conditions of Reverse Auction:

In continuation to Clause 19.0 of NIT (Notice Inviting Tender) following are the broad terms and conditions of Reverse Auction:

“BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) (<https://www.bhel.com/guidelines-reverse-auction-2024>) for this tender. RA shall be conducted among the techno-commercially qualified bidders.

Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.”

Note: -

1. In case of enquiry through e-procurement the sealed electronic price bid (e-bid) is to be treated as sealed envelope price bid.
2. Reverse Auction will be conducted if two or more bidders are techno-commercially qualified.
3. Wherever RA is opted in a tender, the techno-commercially qualified H1 will not be allowed to participate in RA. In case more than one H1 bidder quote the same rate, the Price Offer received last, as per the time log of the Portal, shall be removed first, on the principle of last in, first out by the system.
4. However, H1 will be allowed to participate in RA in the following cases:
 - a) If number of techno-commercially qualified bidders are only 2 or 3.
 - b) In case Primary product of only one OEM is left in contention for participation in RA on elimination of H1.
 - c) For cases where there are more than 3 techno-commercially qualified bidders, if lowest bidder in sealed price bid is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE lowest bidder.
 - d) For cases where there are more than 3 techno-commercially qualified bidders, if lowest bidder in sealed price bid is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII lowest bidder.

17. Evaluation criteria:

- a. Price bid of the techno-commercially acceptable offers shall be opened for Price Evaluation.
- b. Tender will be evaluated on the basis of delivered cost i.e. “Total Landed Cost to BHEL” of all items as a complete package, i.e. total cost to the BHEL, taking into consideration loadings, if any, and all available financial advantages, including those available from Owner, taxation authorities etc.

18. Reserved for Make In India Products (MII/Local Content): Applicable as per NIT. This bid is reserved for Class-I, local Supplier. Minimum 50% Local Content is required for MII Compliance as per NIT

19. MSE Preference: MSE Clause 33 as per GCC shall not be applicable for this tender.

20. BHEL reserve the right to cancel the Contract in case of delay in delivery of equipment/material is by vendor and failure to comply with quality requirements. BHEL also reserves the right to place the order on the other bidder who has taken part in this tender, subject to his compliance of procedures of BHEL in terms of price.

21. Short Closure: BHEL may short close the contract at any stage without assigning any reasons.

22. Breach of Contract, Remedies and Termination:

In case of Breach of Contract, BHEL shall recover 10% of the contract value from the vendor using following instruments:

- a) encashment of security instruments like EMD, performance security available with BHEL against the said contract.
- b) Balance amount (if value of security instruments is less than 10% of the contract value) from other financial remedies i.e. available bills of the vendor, retention amount etc. with BHEL.
- c) Balance amount from security instrument like EMD, Performance Security and other financial remedies i.e. available bills of the vendor, retention amount etc. with other units of BHEL.
- d) If Recovery is not possible then Legal Remedies shall be pursued.

23. Conflict of Interest among Bidders/Agents:

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

- a) they have controlling partner (s) in common; **or**
- b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; **or**
- c) they have the same legal representative/agent for purposes of this bid; **or**
- d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder **or**
- e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not

limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid; **or**

f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following:

i) The principal manufacturer directly or through one Indian agent on his behalf; and

ii) Indian/foreign agent on behalf of only one principal; **or**

g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; **or**

h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business

Treatment of Cases Regarding Conflict of Interest:

- a) 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:
- b) 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;
- c) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating;
- d) 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.
- e) 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.

24. LIMITATION ON LIABILITY:

"Notwithstanding anything to the contrary in this Contract or LOA or Work Order or any other mutually agreed document between the parties, the maximum liability, for damages, of the contractor, its servants or agents, shall under no circumstances exceed an amount equal to the Price of the Contract or the Work Order. Neither party shall be liable to the other for any indirect or consequential loss or damage, including but not limited to loss of use, loss of profits, or loss of contracts, or special, punitive, exemplary losses whatsoever, arising out of or in connection with this contract.

This shall not be applicable on the recoveries made by Customer from BHEL on account of Contractor, any other type of recoveries for workmanship, material, T&P etc. due from the contractor."

This shall be the part of General Conditions of Contract for this tender.

25. Consequential Loss: Neither party shall be liable to the other for any indirect or consequential loss or damage, including but not limited to loss of use, loss of profits or loss of contracts or special, punitive, exemplary losses whatsoever arising out of or in connection with this contract.

26. Other Terms and Conditions: All other T&C as per NIT, TCC and GCC.

27. Suvidha Portal: In line with the initiative to bring greater transparency and ensure faster processing of payments, the online invoicing module for suppliers and sub-contractors through the **SUVIDHA PORTAL** is available for all Suppliers/Sub-contractors of BHEL. The Suvidha Portal can be accessed via the URL <https://suvidha.bhel.in/suvidha/>

Hence, in view of Faster and more efficient clearance of invoices, transparency in tracking status of bills, Elimination of delays due to manual handling, it is informed that **with effect from 01.10.2025**, all suppliers and sub-contractors will be required to mandatorily upload their invoices through the SUVIDHA portal. Kindly note that only those invoices submitted through the SUVIDHA PORTAL shall be considered admissible for processing of bills.

▪ **Key Points for Supply / Works / Service Invoices in SUVIDHA**

1. **Registration of all supply / works / service invoices, irrespective of the invoice amount, is mandatory in SUVIDHA.**
2. **For net invoice amount exceeding ₹5 Lakhs (including Taxes):**
 - Upload of **Class 3 Digitally Signed Tax Invoice** is mandatory.
 - All other documents as per the **PO checklist** must also be uploaded.
 - However, if any other **digitally signed document** is specified in the PO checklist, then **Class 3 Digitally Signed document is mandatory for uploading**
3. **For net invoice amount up to ₹5 Lakhs (including Taxes):**
 - Upload of all documents as per the **PO checklist** is mandatory.
 - All Documents **can be uploaded without a digital signature**.
 - However, if a **digitally signed document** is specified in the PO checklist but a **non-digitally signed** version is uploaded, the **hard copy must be submitted**.

For ease of reference and smooth submission of online invoices, a document titled **"Suvidha – Unified Supplier Portal Guide to Suppliers/Contractors"** is enclosed herewith.

You are kindly requested to start using the **SUVIDHA PORTAL for all invoices** to ensure smooth processing and timely payments.

28. Instructions for filling the Price Bid

1. Bidders shall quote the prices in Volume – II - Price Bid in the E-Procurement Portal. Other papers or documents along with the price bid inscribing the rates of material shall be liable for rejection.
2. Prices to be quoted in INR only (Volume-II). Price bids shall be duly filled and digitally signed.
3. Price shall be 'excluding Taxes & Duties' and 'inclusive all other charges'.
4. Transit Insurance is in the scope of Supplier.

Annexure-13

Bid Security Declaration Form

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

To,

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

Dear Sir/Madam,

Sub: Bid Security Declaration

Ref: Tender Specification No:

Tender Description:

1. I/We Mr/ Ms..... authorised person to sign the bid documents for tender pertaining to the captioned scope do hereby declare that I/We have gone through the entire tender documents including terms and condition mentioned in the tender documents and undertake to comply with them.
2. I/We further declare that we will not withdraw our bid or modify our offer during the period of validity of the bid after the deadline for submission of such documents.
3. If I/we withdraw or modify the bids during the period of validity, or if I/We are awarded the contract and fail to sign the contract, if applicable or to submit security deposit as defined in the tender document/LOA, we will be suspended for the period of time as specified in the tender document from being eligible to submit bids/proposals to BHEL.

Signature of the

Authorised Signatory

(With Name, Designation and Company seal)

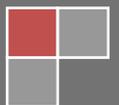
Place:

Date:

2506190

TECHNICAL CONDITIONS OF CONTRACT

BHARAT HEAVY ELECTRICALS
LIMITED



TECHNICAL CONDITIONS OF CONTRACT

Chapter-I : PROJECT INFORMATION

The proposed site is located Koradi of Nagpur District in Maharashtra.

Latitudes : 79°05'48" N
Longitudes : 21°14'3" E
Place : Koradi
District : Nagpur
Nearest Railway Station: Nagpur (11 KM)
Nearest Airport : Nagpur (20KM)
Nearest Road : Nagpur- Bhopal National Highway NH-69 .

Above information furnished is for general guidance of the Bidder. However, the Bidder is advised to visit the Project Site and apprise himself about the conditions of site and infrastructure available in the area for fulfilling their commitments under the contract.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

Supply, installation and maintenance of IP based Announcement & CCTV system along with Vehicle Speed Detection system including all necessary hardware, software and licenses, which shall be used for monitoring safety during construction from Safety Control Room of 2X660 MW Mahagenco Koradi Project, Mahagenco Koradi, Chhindwara Road, Koradi, Maharashtra – 441111.

Safety Control Room and Equipment:

24/7 Safety Control room is envisaged for monitoring safety in plant area. The Contractor shall provide all hardware and software including IP based CCTV camera, Redundant Servers/PC workstations, network switches, power supply, cables, Joystick etc. for meeting the above requirement.

SN	Name of Item	Quantity
1	(a) IP based PTZ dome camera along with p2p Outdoor CPE Antenna for wireless communication. <Server based architecture with licenses>	20 Nos.
	(b) CCTV camera database redundant server with speaker (Shall work in redundant mode, one primary and another secondary server) & Video Management Software (VMS)	1 Set (2 Nos. server)
	(c) Vehicle speed detection system with 5 nos. of IP based ANPR cameras at road turning points	1 Set
2	IP Based Announcement System with 20 Nos. Loudspeakers	1 Set
3	LED display panel-based video wall (85 ")	2 Nos.
All hardware/software/licenses for 1, 2 & 3 including workstations, PoE network switches, media converters, other mounting & electrical accessories including cables, adapters, Fiber Optic, patch cord, connectors, junction boxes, etc.		As required for successful commissioning of the system
4	Comprehensive Annual Maintenance Services (CAMS) after warranty period for the entire Safety Control Room CCTV, IP Announcement and Vehicle speed detection system along with 1 no. Resident Engineer	3 Years

1. Specification for CCTV & Vehicle Speed Detection System

IP Camera (PTZ) Specification	
PARAMETER	ACCEPTABLE VALUE
Image Sensor Type	Progressive Scan CMOS
Image Sensor Size	1/2.8" ~ 1/3"
Camera Image Sensing Capacity (Picture Mode)	2 MP or Better

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

IP Camera (PTZ) Specification	
PARAMETER	ACCEPTABLE VALUE
Resolution	Full HD (1920 x 1080 Pixel) at 25/30 IPS
Day & Night Capable	Yes (with Thermal camera system for Night Surveillance)
IR Illumination Range (Mtr.)	100 or Better
Focal Length	4.45-4.7 ~ 89.0-94.0 mm
Iris Range	F1.6 ~ F2.9
Electronic Shutter	1/50 ~ 1/10000 Auto
Sensitivity (at 6dB)	Color mode: 0.6 lux ; B/W mode: 0.04 lux @ 30IRE, F1.6
Horizontal Angle of View	55.4 deg (Wide) ~ 3.5 deg (Tele) or Better
Frame Rate (fps)	25 or Better
Lens Type	Motorized Varifocal
Type of Camera housing	Dome type
IP Camera	Yes
PTZ Camera	Yes
Pan/Tilt Range	360 Deg Continuous / 90 Deg
Optical/Digital Zoom	20X/12X or Better
Back Light Compensation	Required
White Balance	Automatic with mode selection options
Audio Support	Full Duplex or 2-way
Alarm Support	Minimum 2 Alarm I/Ps & 1 Alarm O/p
Signal to Noise Ratio	>50 dB
Automatic Gain Compensation	Up to 18 dB
IR cut-filter	Yes
Installation Type	Outdoor
Protection	IP 65 or Better
Vandal resistant housing	Yes with Sun shroud
Mounting Bracket	Pole Mounted
Power Input	12/24 V DC / 24 V AC (Adapter to be provided), PoE
Operating Conditions	0 DegC to +60 DegC / 0% to 90% RH
Warranty (Years)	2
ONVIF Support	Yes
IP Interface	Inbuilt, for connectivity to IP based CCTV system
Camera Certification	CE, FCC, UL/EN, Mil-Std-810 or equivalent

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

Safety Analytics:

Analytics for safety vest and helmet is to be deployed on all cameras and any safety violation shall be alerted through IP based announcement system. Any over speeding of vehicle shall be warned through speakers automatically.

Vehicle speed detection system shall be envisaged through RADAR based ANPR cameras.

Interoperability of CCTV system:

1. CCTV system for safety control room shall be interconnected through L3 switch so that feed of any camera can be seen from any system as per requirement. However, these CCTV systems shall work independently and Interoperable with another CCTV system as per requirement.

3. Wireless links if required for any system shall be provided on as required basis. The Wireless connectivity solution shall be based upon WPA3 security/AES 256 encryption complying with the requirements related to the used of wireless in the automation solution as per IEC 62443-2

Safety Control Room:

Contractor shall supply and install IP based CCTV system which shall be used for monitoring safety during construction from Safety control room. These cameras shall be installed at all strategic locations in the plant area (as decided by Customer / BHEL site engineer). These cameras can be wired or wireless as per suitability at site. Initially these installations will be temporary & locations will keep on changing depending upon the work in progress. After completion of Facilities of last Unit these cameras are to be installed permanently at suitable locations in consultation with MSPGCL/BHEL.

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 and Vehicle Speed Detection system.

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.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

General Requirements:

1. All the casing, Network rack, cable trays, power packs, erection hardware (viz. junction boxes, brackets, glands, nut-bolts, conduits, etc.) are included in the bidder's scope.
2. All network mounting racks, NVR (if required) and other required accessories are included in the bidder's scope.
3. The bidder shall guarantee satisfactory performance of the equipment under stipulated variations of voltage and frequency.
4. UPS of sufficient rating for the operation of CCTV system and Vehicle Speed detection system is to be provided by the agency.
5. The output of the CCTV system/camera feed shall be displayed to the LED video wall present in the Safety Control Room. Necessary hardware/software/cables to be supplied by the agency for the same.
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.
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.
8. All the network switches shall be of high quality and shall be sized to meet the functional requirements as specified.
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.
10. CCTV Servers 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 Thirty (30) days or more. All recordings shall have camera ID, location, date and time of recording.
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.
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. 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.
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.
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.
16. The camera and video management software shall be ONVIF compliant.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

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.

CCTV OEM Requirements:

1. All proposed CCTV Camera and VMS/NVR must be from single/same OEM.
2. No OEM should be banned or suspended by ONVIF within the last five years at the time of bidding.
3. The Model should be listed on BIS website and certificate need to be submitted along with technical bid. The same will be verified on BIS Site.
4. OEM Should not be Blacklisted or Banned by any Government Tender in India or Globally. To ensure secured, stable and reputed brand product should be installed. Quoted Products must be NDAA Compliant.
5. The camera OEM Should be a genuine manufacturer and should be an official valid H.264/ H.265 HEVC Certificate and should be listed on both HEVC website at the time of submitting bid. They should be paying the licensed fee for using the genuine HVEC Compression legally. The same will be checked on following official website <https://www.mpegla.com/programs/hevc/licensees/>
6. OEM should have an ISO 9001:2015, ISO 14001:2015, ISO 27001:2022, ISO 45001:2018, GDPR, MSME ZED Certification and CMMI Level 3 for manufacturing process. Documents needed to be attached along with the bid. ISO Certificates must from IAF accredited agency. IAF website verification will be done.
7. The quoted product, which the bidder is mentioning as complied in the above specifications, must be available in their respective OEM website and datasheet both for the verification purpose. In case of any discrepancy found, the bid may be summarily rejected.
8. The MAC address of the IP cameras must be registered in the name of OEM supplying the cameras.

CCTV Device testing and certification:

CCTV Cameras (Analog/ IP/ Analog Speed Dome/ IP Speed Dome) should comply with the Essential Requirements (ERs) notified as part of the PPO for CCTV in Gazette of India (EXTRAORDINARY, PART II—Section 3—Sub-section (ii) dated 7' March, I 2024, at Sr. No. No. 1062) to ensure the security of the VSS / CCTV systems, as amended from time to time. The security testing certificate for CCTVNSS to be issued by Standardisation Testing and Quality Certification (STQC) Laboratory or any other agency notified by MeitY from time to time.

2. Specification for IP based Announcement System:

IP based announcement system which shall be used for monitoring safety during construction from Safety control room. The IP based announcement system shall be designed such that no single failure shall disrupt the availability of complete system.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

MASTER CONTROL UNIT

System to be design such that the user may select one or multiple specific loud speaker out of 20 no. of loud speakers for announcement.

SERVER

The server shall be based on state of art VOIP technology. The server should support protocols including SIP or equivalent, TCP, IPV4/ IPV6, Codec G.722, SNMP, RTP, NTP etc. Suitable built in IP security such as firewall, SSH, HTTPS etc. shall be provided in server. The required no. of all hardware/software licenses to meet the system specifications shall be supplied by the agency. Agency shall supply amplifier if required.

WORKSTATION, NETWORK SWITCH, CABLES AND JUNCTION BOX

All hardware/software/licenses including workstations, PoE network switches, media converters, other mounting & electrical accessories including cables, adapters, Fiber Optic, patch cord, connectors, junction boxes, etc. required for successful commissioning of the system shall be provided by the bidder. All other items to be supplied as per standards, meeting the system requirement.

TECHNICAL PARTICULARS

Amplifiers- solid state, class-D, push-pull type, in built with call station fully conforming to IS: 10426 or equivalent international standard.

Band width (± 3 db)- 100-16000 Hz.

THD-< 0.5% at 1 KHz at rated output.

Signal to Noise Ratio- Min. 80dB

Microphones (2 Nos.)-Band width (± 3 db): Codec G.722, 200-7000Hz, goose neck type.

Loudspeakers (20 Nos.)- IP-65 degree of protection as per IS/IEC:60947-1, Industrial grade. **Outdoor**- wall/column mounted Horn Type, Capacity-105 dB for broadcast, 30 W (RMS) or Better

Other T&Cs:

- All fixtures, mounting accessories, cables, etc. to be provided by the agency.
- Transportation and Installation charges to be included in the price quote.
- Warranty shall be of minimum 2 years on-site and deputation of service engineer in case of any equipment/part failure shall be in the scope of the agency. Replacement of any faulty part(s) within warranty period is to be provided within 7 working days.
- BHEL engineer at site shall do quality check and inspection of the material for acceptance.
- Transit insurance shall be in agency's scope.
- Training and demonstration of the system to the concerned officials shall be in the scope of the agency.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

- Delivery and Installation of the system shall be done by the agency after obtaining clearance from BHEL engineer at site.

3. Specification for LED panel-based Video Wall

Video Wall Type	Indoor
Video Wall Size	85" (Diagonal)
Pixel Pitch	3.0mm or Lower
Display Type	LED configuration of RGB 3 in 1 SMD
Contrast Ratio	3000:1 or Better
Refresh Rate	1,920Hz or Better
Min Viewing Distance	> 2 meter
Brightness	800 cd/m2 or Better
Dimming Capability	256 Levels having Half Gain
Viewing Angle (Hor/Ver)	140 deg / 120 deg or Better
Cabinet	Die-Cast Frame
Controller Unit	Yes (Included)
Video Display Support	Full HD
Protection	IP-65(Front) / IP-54(Back) or Better
Operating Temperature	0 to 50 degC
Operating Humidity	10 to 95%

1. Wall Mounted Structure along with fixtures, mounting accessories, cables, etc. to be provided by the agency.
2. LED screen should be mounted as per the site requirement with proper earthing of the structure. The structure should be made from mild steel and painted black along with antirust coating. OEM should have in-house facility for structure design in India.
3. Transportation and Installation charges to be included in the price quote.
4. The display wall shall be designed for visibility in all weather conditions to facilitate 24x7 operation for high availability.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

5. The fine pitch LED display shall be provided with LED control & Video Processing system of the same make as that of LED screen.
6. Maintenance work on the video wall shall be confined to easy replacement of the modules which are replaceable e.g. Power Supply module, Input ports etc., which shall be performed in few minutes by the Employer's staff without any special training.
7. The Video wall and its accessories shall be designed in such a way that the brightness in the centre of the screen and the edges of the screen is uniform and there is no perceivable difference in the quality of the picture on the centre and on the edges of the screen. If any extra hardware has to be provided for achieving the above feature, it shall be provided by the contractor at no extra cost.
8. The screen should be flicker free and there shall not be any screen burn in due to display of same information for a long time.
9. To manage content, distribute and collaborate, a controller shall be provided having memory support of 8GB (Expandable up to 32GB) with support for JPEG, PNG, BMP, MP2, MP4, 3GP, AVI, MOV, WMV, MP3, WMA, AAC media formats.
10. The master controller unit shall be provided for controlling the entire video wall. It shall be capable of projecting displays over a part of screen to multiple screens. Any combination of windows shall be possible. Facility for overlays shall be provided.
11. The controller shall also be provided with RS232/USB control port, DVI/HDMI input, RJ45 output and Wi-Fi (802.11 AC – 2.5GHz & 5GHz) and Ethernet connectivity. It shall have PIN-protected guest access, POE support AES encryption and dual network management.
12. The content shall be managed through simplified user interfaces with capability to create playlists, schedule based on day, date, time and send them over the network for playout based on schedule and sequencing. It shall have feature for Emergency Override. The software for the same shall be loaded on suitable hardware to be supplied by the agency.
13. The controller shall have capability of Wireless Collaboration, Wireless screen out two-way duplication, NT live screen, by quickly connecting mobile devices using QR codes. At least 60 users can share information from any device. Content distribution should be done using OEM cloud setup. Cloud license should be provided for minimum 3 years.
14. The display shall conform to Quality Management System 9001:2015, Occupational Health & Safety Management System OHSAS 18001:2007, Information Security Management System 27001:2013 and Environmental Management System 14001:2015
15. Warranty shall be of minimum 2 years on-site and deputation of service engineer in case of any equipment/part failure within the warranty period shall be in the scope of the agency. Replacement of any faulty part(s) is to be provided within 7 working days.
16. BHEL engineer at site shall do quality check and inspection of the material for acceptance.
17. Training and demonstration of the system to the concerned officials shall be in the scope of the agency.
18. Delivery and Installation of the system shall be done by the agency after obtaining clearance from BHEL engineer at site.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

4. Comprehensive Annual Maintenance Services (CAMS) & Manpower/Resident Engineer (RE) Deployment

a. Comprehensive Annual Maintenance Services (CAMS) –

- i. CAMS of the CCTV system installed at BHEL site office to be provided by the vendor for three (03) years after warranty period.
- ii. The vendor shall provide on-site Annual Maintenance services for the entire scope of the order including CCTV system, IP based announcement system, vehicle speed detection system and LED panel based video wall including all hardware/software/peripherals of Safety Control Room at site. No separate TA/Accommodation reimbursement for the deployed support manpower shall be paid by BHEL.
- iii. Defective equipment/parts to be replaced by the vendor 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.
- iv. Being a comprehensive contract, 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.
- v. Support for maintenance, installation, reinstallation/relocation, trouble shooting and other problems/issues related to CCTV system shall be provided by the vendor during the contract period.
- vi. 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.
- vii. 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.
- viii. 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.
- ix. Preventive maintenance, wherever required, shall be carried out to keep the equipment in good working condition.
- x. AMC shall not include damages due to rodents and natural disaster or theft.
- xi. BHEL may foreclose the CAMS contract at its own discretion without assigning any reason for the same with advance notice period of minimum one (01) month. However, minimum period of CAMS Contract shall be for one (01) year from CAMS Start date.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

b. Manpower/Resident Engineer (RE) Deployment –

- i. The successful bidder shall post one (01) qualified Resident Engineer (RE) at BHEL Site office for the whole contract period during office hours from 9:00 AM to 6:00 PM.
- ii. The Resident Engineer (RE) shall be provided/posted at site from the start of contract after delivery & installation and during the entire CAMS period of three (03) years.
- iii. The resident engineer should have the following minimum qualification and experience:
3 years' diploma (or higher degree) in electronics / computers/ electrical.
OR
Graduate having at least 2 years' experience in installation & maintenance of CCTV cameras/ networking etc.
- iv. Before posting engineer to BHEL Site office, the vendor shall submit the CV of engineer to BHEL for vetting and acceptance. BHEL may interview the candidate for acceptance/rejection before they are actually posted.
- v. The resident engineer shall work according to BHEL working rules and regulations and they shall be available to work on holidays & extended hours if required by BHEL.
- vi. The Resident Engineers provided by the vendor shall normally not be changed without prior approval of the competent authority of BHEL. However, BHEL reserves the right to ask the service provider to change any Resident Engineer if found incompetent/ irregular.
- vii. Support for resolving hardware and network issues for smooth operation of the CCTV system or any other IT maintenance work as required by BHEL shall be provided by the resident Engineer during the contract period.
- viii. Support for maintenance, installation, reinstallation, trouble shooting and other problems/issues related to CCTV system shall be provided by the resident Engineer during the contract period.
- ix. The resident Engineer shall provide dismantling, assembling and reinstallation of hardware/software in case of shifting of CCTV to another location during contract period.
- x. The Resident Engineers deployed by the tenderer 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.
- xi. If the RE is absent, vendor has to depute another RE of equivalent or higher qualification.
- xii. In case the RE resigns, the same has to be intimated to BHEL site office and an alternative resource (of equivalent or higher qualification) has to be deployed prior to the relieving of the RE.
- xiii. The bidder has to submit the PF and ESI registration details at the time of bidding. If the bidder at the time of bidding does not have PF/ESI registration, then the bidder has to submit the undertaking that PF/ESI registration will be submitted within 30 days from the date of issue of LOI/WO. If the required information is not furnished within 30 days, then BHEL reserves the right to cancel the Order and forfeit EMD and SD.
- xiv. Contractor has to ensure payment of statutory minimum wages (including Bonus) as prescribed by BHEL/Central/State Government (whichever is higher) and comply with all Industrial/Labour/Govt.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-II : SCOPE OF WORK

laws including amendments from time to time. All persons under this contract shall be considered as skilled persons for calculation of minimum wages.

- xv. Responsibility of safety and security of the REs and deputed/visiting persons (including unskilled workers) within BHEL premises shall lie with the vendor. Any damage made by these persons within BHEL Premises shall be restored by vendor. Vendor is required to ensure the use of proper Safety Equipment/methods (if required) by their REs/Employees/visiting persons while working in BHEL Premises.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-III : SPECIAL TERMS & CONDITIONS

1. 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.
2. Agency shall coordinate with various stakeholders including BHEL, its sub-agencies and customer, wherever required to execute the contract.
3. Agency has to arrange for Personal Protective Equipment (PPEs) for safety of its staff and workmen for site visits.
4. Agencies shall make their own arrangements of accommodation, local transportation and logistics such as Computers/laptops /printers/stationary etc. to execute the scope of work.
5. 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.
6. No extra payment shall be made for any work executed on Sunday/holidays or beyond official working hours.
7. All the software/license procurement, installation for connection/integration to BHEL/ customer systems shall be in scope of agency.
8. Both BHEL & MSPGCL have separate private networks having workstations. Bidder/Agency may need to create a bridge between the CCTV system network for Safety Control Room with that of BHEL/Customer network so that the CCTV live feeds could be provided as per requirement. There is no existing CCTV system at present, which needs to be integrated with Safety Control Room CCTV.
9. CCTV vendor to build the backbone as per specification which should be able to cater the load PTZ cameras, ANPRs & IP PA systems load with backbone redundancy. Vendor to provide support for integration with IP based PA system for using the network backbone. IP PA system may work over the backbone which has been designed for CCTV system. CCTV vendor shall consider PA system load to design their backbone bandwidth.
10. Agency shall deploy all hardware and software to be used during execution of scope of work.
11. 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.
12. 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. Monthly service rendered charges should be quoted by the bidder on the Price bid Format both in figure and Words. Any overwriting of the mentioned figure is not allowed. In case an illegible price mentioned in figures, the price mentioned in words shall be taken into consideration.
14. All taxes, insurance charges, local law and order obligations (if any) will be complied with/borne by the Bidder.
15. Arranging requisite Gate passes (Temporary/permanent/ Sunday / holiday / Night pass) for entering inside the plant area is Agency's responsibility.
16. Compliance of all statutory laws, legal obligations, in vogue shall be the responsibility of the owner.
17. No compensation shall be payable on account of drone accidental damage, idling due to reasons / conditions beyond the control of BHEL.
18. The contract or any part thereof shall not be subcontracted / assigned or otherwise transferred without obtaining prior consent in writing from BHEL PSWR.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-III : SPECIAL TERMS & CONDITIONS

19. Contractor has to ensure that his employees shall take all safety measures for performing the work safely to avoid any untoward incident.
20. BHEL shall not be responsible for any accident / injury to the persons employed by the contractor for working in the BHEL, site premises, however first-aid facility will be provided by BHEL free of cost in case of any injury.
21. The contractor will ensure that they release payment to their workers / supervisors as per norms published by factory/state or central govt. norms.
22. The contractor shall observe / perform all the laws / enactment rules and regulations of the central and state govt. which are in force from time to time.
23. In case of a bidder absconding from the work, BHEL reserves all rights to get the unfinished work completed at the risk & cost of the bidder.
24. Warranty shall be of minimum 2 years on-site and deputation of service engineer in case of any equipment/part failure within the warranty period shall be in the scope of the agency. Replacement of any faulty part(s) is to be provided within 7 working days.
25. BHEL engineer at site shall do quality check and inspection of the material for acceptance.
26. Training and demonstration of the system to the concerned officials shall be in the scope of the agency.
27. The CCTV system shall be designed for visibility in all weather conditions to facilitate 24x7 operation for high availability.
28. Transportation and Installation charges to be included in the price quote.
29. **Scope of work for power distribution and power points at each required location:** Nearest point of power source will be identified- further distribution, cabling etc will be in the subcontractor's scope. If location is high-mast pole – pole length cabling and required instruments are in the scope of the subcontractor. If the location is some building etc. – nearby power source may be 100-200 M, or at some points it may be max up-to 400 M.
30. Vendor should survey properly before submitting the bid and bid the optimised solution in compliance of specification, which will stable, durable and economic in nature are able to cater the specified service level agreement (SLA) for uptime of the system. The interconnectivity and powering of all active devices is/are with vendor scope. RF are to be installed properly as per OEM specification, should be power with UPS power and should have proper earthing. Raw power will be provided up to a certain point, afterwards power cable to be arranged by vendor and as per site norms.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-IV : DELIVERY SCHEDULE & ACCEPTANCE

- a. Delivery and installation of the system(s) shall be done by the agency after obtaining clearance from BHEL engineer at site.
- b. All Items to be delivered at site within 30 days from the date of Purchase order and subsequent clearance by site concerned. Dispatch clearance to be obtained from site before supply.
- c. Installation and Commissioning to be completed within 30 days from the date of site confirmation.
- d. Site may ask to install the system in phases or all at once.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-V : PAYMENT TERMS

FOR 1. CCTV & Vehicle Speed Detection System

2. IP based Announcement System

3. LED Display Panel

5. Supply and installation of Poles

1. Initial **70%** payment of contract value (except CAMS value) shall be made on pro rata basis within **45/60/90 days (applicable as per table mentioned below)** through NEFT/RTGS on submission of GST Tax invoice after completion of supply of all hardware and software required for the entire contract and acceptance by BHEL official.

Type of Bidder	Payment Terms (Number of days)
Micro & Small Enterprises	45 days
Medium Enterprises	60 days
Non MSME	90 days

✚ Proof for Micro, Small and Medium Enterprises has to be furnished by the bidder

2. Balance **30%** payment (of above clause) shall be made on pro rata basis within **45/60/90 days (applicable as per table mentioned above)** through NEFT/RTGS on submission of GST Tax invoice after completion of the installation and commissioning of the entire contract supply and acceptance by BHEL official.
3. Income Tax and GST TDS shall be deducted at source from the running bills as per applicable rules and other statutory requirements from time to time.
4. No advance payment will be paid under any circumstances. (NEFT format shall be enclosed along with the bill). For payment purposes NEFT format duly verified by concerned bank official & cancelled cheque may be submitted along with the first bill.

Documents required to be submitted along with invoice

a. Original invoice (with triplicate copy)	b. Newness certificate
c. Original GST Compliant Tax Invoice	d. Warranty/ Guarantee Certificate.
e. O&M Manual	f. Demonstration MOM/ Installation Certificate (jointly signed) (for balance 30% payment)
g. Store Receipt Voucher (SRV) – delivery challan.	h. Test Certificates
i. STQC Certificate for camera	

Liquidated Damages:

TECHNICAL CONDITIONS OF CONTRACT

Chapter-V : PAYMENT TERMS

1. **Late delivery:** Delay in supply of the system may cause a penalty of 0.5 % of total contract value (i.e. **70% of** total price of line item 1+2+3+5) per week part thereof subject to a maximum of 10% of total contract value excluding elements of taxes, duties and freight if Supplier has failed to deliver any part of the goods within the period stipulated in the Order/Contract.
2. **For installation:** LD is 0.5 % per week of total contract value (i.e. **30% of** total price of line item 1+2+3+5). However total LD is maximum up to 10% of total contract value excluding elements of taxes, duties and freight.

NOTE: However, if the delay is due to any reason on BHEL's account, then that delay will not be counted on supplier's part and no penalty will be levied on the bidder.

Payment Terms FOR 4. Comprehensive Annual Maintenance Services (CAMS) & Manpower/Resident Engineer (RE) Deployment

1. Payable on quarterly basis (divided into 12 quarters equally for 3 years) after the initial warranty period of 2 years from the date of successful delivery & installation and submission of GST invoice along with maintenance service report. - within 30 days

Penalty:

- a. **For delay in any work related to CAMS scope** – Any reported issue in the CCTV system, IP based announcement system, vehicle speed detection system and LED panel based video wall including all hardware/software/peripherals are required to be set all right (in working condition) by the vendor within **fifteen (15) working days** of the complaint, failing which a penalty of 0.5% of yearly contract value per day subject to a maximum of 10% yearly contract value.
- b. **Penalty for absence of Resident Engineer (RE)** – It shall be the responsibility of the Vendor to depute another competent and experienced engineer during the period of absence of the designated resident engineer. In case of absence of RE (without substitute), ₹500/- per day shall be deducted from the vendor payment.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-VI : GENERAL CONDITION

1. Loading/Unloading, Storage, Transportation of Material within Project Premises is in Vendor's Scope. However, Storage Space for Material will be provided by BHEL free of Cost.
2. GA copy enclosed.
3. **Insurance:** It is the sole responsibility of the contractor to insure his materials, equipment, workmen etc. against accidents and injury while at work and to pay compensation, if any, to workmen as per Workmen's Compensation Act. The work will be carried out in a protected area and all the rules and regulations of the client / BHEL in the area of project which are in force from time to time will have to be followed by the contractor.

TECHNICAL CONDITIONS OF CONTRACT

Chapter-VII : BOQ/FACTOR

SN	Item description	Unit	Qty	BOQ factor
1	CCTV & Vehicle Speed Detection System as per specification	Lumpsum	1	0.573855947319239
2	IP based Announcement System as per specification	Lumpsum	1	0.110248199155260
3	LED panel-based Video Wall as per specification	no.	2	0.0595936211650056
4	Comprehensive Annual Maintenance Services (CAMS) after warranty period for the entire Safety Control Room CCTV, IP Announcement and Vehicle speed detection system along with 1 no. Resident Engineer as per specification	Year	3	0.0469465304510989
5	Supply and installation of Poles	no.	25	0.00223476079368771
	Remarks:			
1	Total Lump-sum quoted by the bidder will be multiplied by the BOQ factors and then divided by the quantity of the respective line item to derive the item rate.			
2	For sl no. 5: It is planned to use High Mast Poles for mounting of CCTV cameras etc. however it may so happen that a fresh location is identified for the same in consultation with MSPGCL. In that case this line item will be operated and accordingly payment shall be made.			