



## **BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL**

### **Bid for Supply, Operation and Maintenance of Perimeter Intrusion Detection System (PIDS) & CCTV Surveillance System on lease basis for 5 years for BHEL, Bhopal unit**

**Tender Enq. Number: HRM/TO&DS/PIDS/2022/01**

Tender Issue Date		<b>10/05/2022</b>
Bid Submission Date & Time	:	<b>On or before 31/05/2022 at 14:00 Hrs.</b>
Technical Bid Opening Date & Time	:	<b>31/05/2022 at 14:00 Hrs.</b>



# BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

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## BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

### 1.0 Tender Notice:

Ref. No.: HRM/TO&DS/PIDS/2022/01  
Date: 10/05/2022

M/s

Dear Sir,

**Subject: Bid for Supply, Operation and Maintenance of Perimeter Intrusion Detection System (PIDS) & CCTV Surveillance System on lease basis for 5 years for BHEL, Bhopal unit.**

Tender Quotation is invited for Supply, Operation and Maintenance of Perimeter Intrusion Detection System (PIDS) & CCTV Surveillance System on lease basis for 5 years for BHEL, Bhopal unit as per specifications detailed under "TECHNICAL SPECIFICATION" (Annexure-D) and Terms and Conditions as enclosed. Firm offer should be submitted in **TWO PARTS, PART-I (EMD, Techno-Commercial Bid) & PART-II (PRICE Bid)** as detailed in relevant sections.

### General Instructions for the bidders

1. Tender documents (non-transferable) will be available from **10/05/2022** at BHEL corporate website [www.BHEL.com](http://www.BHEL.com).
2. Last date for sale of Tender document is **31/05/2022**
3. Earnest Money Deposit (EMD) for the tender is **Rs.12,84,723/- (Rupees Twelve Lakh Eighty-Four Thousand Seven Hundred Twenty-Three only)**.
4. Last date of submission of tender is up to **14.00 Hrs at Tender Room on due date 31/05/2022**.
5. **PART-I of tender (EMD, Techno-Commercial Bid)** shall be opened on the **same date at 14:00 Hrs**.
6. The personnel engaged should also be provided with necessary **PPEs (Personal Protective Equipment)** by the bidder. The contractor shall indemnify BHEL all the costs and risks arising due to non-compliance of the applicable statutory provisions.

Tender should be addressed to undersigned.

With Regards

For & on behalf of **BHEL Bhopal**.

**Binoy Kumar,**  
**AGM (HR),**  
**Prerna Bhawan, HRM**  
**Bharat Heavy Electricals Limited,**  
**Piplani, BHEL, Bhopal, M.P. – 462022**  
**Telephone No.:0755-2503442 / 9425604497**  
**Email: binoykumar@bhel.in**



# BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

## 2.0 REQUEST FOR PROPOSAL

Bharat Heavy Electricals Ltd., Bhopal (A Govt. of India Undertaking) invites tender from bidder who qualify as per criteria below. The tender is invited in **TWO PARTS, PART-I (EMD, Tender Fees, Techno-Commercial) & PART-II (PRICE BID)** for Supply, Operation and Maintenance of Perimeter Intrusion Detection System (PIDS) & CCTV Surveillance System on lease basis for 5 years for BHEL, Bhopal unit.

### 2.1 PURPOSE OF WORK:

Bharat Heavy Electricals Ltd. (A Govt. of India Undertaking) requires Perimeter Intrusion Detection System (PIDS) & CCTV Surveillance System on lease basis for 5 years for BHEL, Bhopal unit which will include Design, Supply, Installation, Configuring, Testing, Commissioning and maintenance of the system. The PIDS & CCTV System will be used for Day & Night online surveillance of stipulated locations on a 24 X 7 X 365 days basis for five years from the date of work order.

### 2.2 QUALIFYING CRITERIA:

#### Bidder Qualification Criteria

Bidder should meet the qualification criteria and furnish the details as mentioned below:

S.No.	Description
1	Bidder should be either Original Equipment Manufacturer or should be Authorized System Integrator partner having direct purchase and support agreement with the OEM for "IP based Cameras" quoted for this tender. In case of authorized System Integrator, a valid authorized certificate from the Principal Manufacturer clearly stating the relationship with the Partner and authorization to the Partner to quote for this specific tender is to be furnished. The Certificate/ Authorization Letter specific to this tender must be enclosed by Authorized Representative of the OEM with the Technical Bid.
2	Bidder should have executed installation, commissioning of camera based PIDS or perimeter security system of sensor based PIDS system or smart fencing system successfully. Such projects should have been completed within last <b>7 years</b> from the date of tender opening and working satisfactorily for minimum six months after execution (A successful execution certificate must be enclosed). The executed work under consideration should be of Total Solution and Infrastructure Setup, which should include cable laying and system integration.  The Work order of the project should be in the name of the bidder. The order copy of above mentioned project & completion & performance certificate is to be submitted along with the offer as per <b>Annexure-E</b>
3	Bidder should have completed single project of 5.13 crores or two projects of Rs 3.21 crores each or three projects of Rs 2.56 crores (including GST) each for similar work (as above in point -2) in last seven years.
4	The bidder should have average annual financial turnover during last 3 years ending previous financial year (2020-21) of at least 1.92 Crores per annum. Audited Profit & Loss account and Audited Balance Sheet to this effect shall be submitted along with the offer.

**Note: The technical offer shall be evaluated for only those bidders complying qualifying criteria.**



### **3.0 INSTRUCTIONS AND GUIDELINES TO BIDDERS**

#### **3.1 INTRODUCTION**

M/s Bharat Heavy Electricals Limited (A Govt. of India Undertaking) incorporated under the Companies Act 1956 having registered office at BHEL House, Siri Fort, New Delhi-110049 through its office at New Delhi (hereinafter referred to as "BHEL", which expression shall include its successors and assigns), invites offer for Bid of Equipment/ Services in BHEL, as per Technical Specification and Commercial Terms and Conditions detailed in the tender documents.

#### **Definitions:**

Bidder: The person who is participating in the tender

Purchaser: BHEL

Lessor: Successful Bidder who will enter into the lease agreement with BHEL

Lessee: BHEL

#### **3.1.1 SCOPE OF WORK (Brief description of system requirement)**

1. BHEL, Bhopal has a total approx. 7 Km. length of perimeter wall alongwith 05 (five) numbers of operational entry gates and it is desired to install CCTV camera based Perimeter Intrusion Detection System for the Perimeter. Also CCTV Surveillance System is required to replace the existing operational inside plant CCTV system.
2. The system will be based on fiber optic communication.
3. There will be also ANPR camera at entry gates for detecting and storing the vehicle registration numbers in day and also in low lighting condition in night. The ANPR camera must be capable of reading various types of fonts of numbers eliminating the unnecessary logos & writings.
4. System should be able to detect and recognize the English alpha numeric License plates of two wheelers or four wheelers. System should Perform OCR [Optical Character Recognition] for the standard license number plate (only English alpha numeric plates) of vehicles entering or leaving from the designated locations.
5. The recording of the CCTV cameras need to be stored in the hard disc of NVR of the system for at least 90 days.
6. The intrusion detection system must be smart enough with artificial intelligence (AI) to capture any man with suspicious movement excluding animals like dog, cat etc in the desired area of both the sides of the perimeter wall. It must provide alarm if it finds any intrusion. The software alarm recording shall support pre-and post-alarm periods. Both can be configured in duration.
7. There must be VMS – Video Management and Control Software to view live as well as recording in various speeds. It must play simultaneously 1, 4, 6, 8, 9, 16, 25, 36 or 64 numbers of cameras in live view and recording mode. The operator shall be able to control the playback with play, pause, forward, and speed buttons.
8. The GUI software shall allow operators to view an instant replay of any Camera.
9. The system shall allow the recording, live monitoring, playback of archived video and



data simultaneously.

10. It shall be possible to search for recordings in the VMS software by camera, date and time. If a data and time is specified, playback shall commence from that date and time. It shall be possible to playback more than one camera simultaneously.
  11. Multiple users shall be able to view the same camera sequence simultaneously, not necessarily synchronized one with the other.
  12. The VMS must be able to control of movable – PTZ cameras.
  13. Fault Tolerant Recording: The software shall support network fault-tolerant recording such that if the network connection between a video management server and video recording server becomes unavailable, for example through cable breakage, network congestion or WLAN interruption, the system operation shall automatically recover when the connection is restored. The NVR should be able to synchronize video from cameras on restoration of Network after failure.
  14. When any failover or network interference happens, the recording should start on the SD Card in the IP Cameras, however when network recovers, the data on SD Card should be automatically transferred to NVR without any impact on operation of NVR.
  15. The software shall be able to display video of cameras on set of 4 numbers of 55 inch large LED Display Monitors and Workstation Monitors.
  16. AI Deep Learning Function - The camera should support Motion Detection, Alarm in Audio Detection, Tampering, Trip Zone, Line Crossing, Loitering & Object Detection. The analytics should be based on Deep Learning and should identify between Humans, Vehicles & Cycles. The system should raise alarm only on basis of chosen category. It should allow search based on (a). Human, Vehicle or Cycle (b). Intrusion Detection (c). Loitering detection (d) Colour search (e). Count search (f). Combination search person, colour & Vehicle colour.
  17. The system should be rugged & be able to work under all weather conditions.
- The vendor has to provide/ depute service engineers at BHEL, Bhopal 24 X 7 basis for maintenance and uninterrupted smooth performance of the system.

### 3.2 PROCUREMENT UNDER LEASING SCHEME

Lease Period under the leasing scheme shall be **FIVE years** and the Total Price shall be for the complete scope as per technical specifications, inclusive of comprehensive maintenance including repair/replacement of parts during the lease period, insurance and any other incidental charges. Lease Period of Five years shall start from the date of **successful installation by bidder and acceptance by BHEL, Bhopal**. Acceptance Test/Procedure Plan elaborated at **Clause 4.6** shall be ensured by successful vendor. Bidder shall be responsible for **comprehensive maintenance** of the supplied equipment & services during the entire lease period. Payments shall be released on quarterly basis, as per Payment Terms of BHEL, Bhopal and other Commercial Terms & Conditions.

### 3.3 PROCEDURE FOR SUBMISSION & OPENING OF BIDS

This tender is in two part bid system. Bids shall be accepted by the official inviting the tenders, in two parts, as described below, on or before the due date & time indicated in the Tender Notice.

#### **PART-I : TECHNO-COMMERCIAL BID**

This part shall consist of the following:



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- 1) Tender Fee in the form of Pay Order/ Bank Draft of Rs.5,000/- (Rupees Five Thousand only) in favour of "**Bharat Heavy Electricals Limited**" payable at Bhopal in case the tender documents have been downloaded from the website. In the absence of submission of tender Fee, the offer will be summarily rejected.
- 2) EMD in the form of Pay Order/ Bank Draft of **Rs.12,84,723/- (Rupees Twelve Lakh Eighty-Four Thousand Seven Hundred Twenty-Three only)** in favour of "**Bharat Heavy Electricals Limited**" payable at Bhopal. In the absence of submission of EMD, the offer will be summarily rejected.
- 3) Bounded / Stapled volume of:
  1. Technical offer/ details shall include literature/leaflets. The bidder shall submit the offer only as per technical specifications of the equipment.
  2. PRICE BID (with prices masked or without mentioning prices) as per enclosed format.
  3. Check list of enclosures along with all annexures listed in Annexure-IX.

Note: BHEL reserves the right to accept or reject the technical offer without assigning any reason whatsoever if the offer is not in line with the tender. Price bids of only techno-commercially successful bidders shall be short listed and opened.

### **PART-II : PRICE BID**

Price bid containing PRICES only is to be submitted (in the enclosed Price Schedule format only). Prices shall be quoted in Indian Rupees both in words and figures. Bidder has to give details of applicable taxes clearly in the price bid formats. The changes in the tax rates will be applicable at actuals, subject to documentary evidence during the entire lease period.

Price Bid shall not contain any technical details and / or Commercial Terms & Conditions, which are part of techno-commercial bid (Part-I) so that the same can be considered at the time of technical evaluation. Any such technical / commercial details mentioned shall be ignored.

### **AMC (Annual Maintenance Contract) and AMC Charges:**

At the end of lease period of 5 years, BHEL reserves the right to retain the equipment on the payment of terminal charges which is Re 1/-. On the payment of terminal charges, the ownership of the entire system including all the equipment, software shall get transferred to BHEL. If BHEL doesn't want to retain the equipment partly or fully, then the vendor shall remove the components as decided by BHEL and move it away from BHEL premises at no extra cost.

BHEL also reserves the right to enter into AMC with the vendor after the Lease Rental period, for a period of 2 years renewable each year.

The AMC charges of all equipment for the 6th and 7th year (applicable after the end of lease period of five years) shall be quoted by all the bidders and it shall be quoted as a percentage against individual line items.

The AMC charges quoted will not be considered for evaluation of L1 offer for awarding of WO. However, these rates are binding on vendor during AMC period.

In case of entering in to AMC, the Security Deposit paid against the lease contract will be adjusted against that of Security Deposit for AMC Order by the successful bidder. In case the successful bidder fails to accept AMC on completion of the lease period the bidder has to forego the Security Deposit.

Separate Price Format is enclosed for AMC. The same has to be submitted along with Price Bid.



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The scope of AMC after lease period shall include:

- Total Maintenance of Equipment including repairs and replacement of spares.
- UPS and batteries.
- Maintenance personnel (man power requirement will be same as that of during lease period) for smooth functioning of the system (both hardware and software)
- Report generation and maintenance of communication software.
- Any other requirements on need basis as per agreed terms and conditions.

BHEL reserves the right to negotiate with L1 vendor for AMC charges.

### 3.4 BIDDER TO INFORM HIMSELF FULLY:

**3.4.1** The bidder shall closely peruse all the clauses, specifications and requirements etc., indicated in the tender documents, before quoting. Should the bidder have any doubt about the meaning of any portion of the tender specifications or find discrepancies or omissions in the specifications or if the tender documents are found to be incomplete or require clarifications on any of the technical aspects, scope of work etc., he shall at once contact the official inviting the tender, for **pre-bid discussions/ clarifications**, before submission of the tender.

**3.4.2** Bidders are advised to study all the tender documents carefully. Any submission of tender by them shall be deemed to have been done after careful study and examination of the tender documents and with the full understanding of the implications thereof. The specifications and terms and conditions shall be deemed to have been accepted unless otherwise specifically commented upon by the bidder in his offer. Any offer not meeting the scope/specifications, terms, conditions, and any other clause specified in the tender documents shall be rejected.

**3.4.3** BHEL reserves right to increase or decrease the quantity based on final requirements.

### 3.5 PROCEDURE FOR SUBMISSION & OPENING OF BIDS

**3.5.1** Bids shall be accepted by the official inviting the tenders, **in TWO PARTS**, as described below, on or before the due date & time indicated in the Tender Notice.

#### **PART-I: (EMD, TENDER FEE & TECHNO-COMMERCIAL BID)**

This part shall consist of the following:

1. EMD in the form of electronic mode of **Rs.12,84,723/- (Rupees Twelve Lakh Eighty-Four Thousand Seven Hundred Twenty-Three only)** in favor of "**Bharat Heavy Electricals Limited**" payable at **Bhopal**. In the absence of submission of EMD, the offer will be summarily rejected.
2. The EMD may be accepted only through Electronic Fund Transfer credited in BHEL account (before tender opening)
3. EMD of successful tenderer will be retained as part of Security Deposit. EMD will not carry any interest.
4. Tender Fees of **Rs.5000/-+ GST 12%** in favor of "**Bharat Heavy Electricals Limited**" payable online (procedure mentioned at BHEL webpage). In the absence of submission of same, the offer will be rejected.
5. Bound volume of:





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- a) Technical Specification & Checklist dully filled for all the items. **The bidder should offer only as per Technical Specification of the equipment.** The purchaser reserves the right to accept or reject the technical offer.
- b) Un-priced copy of PRICE FORMAT (The un-priced copy of the Price bid format shall be the same as the Price bid but without the Prices).
- c) Enclosures as defined in "Checklist of Formats" (referring to s.no. 6 under Table of Contents).

### 3.5.2 PART-II: (PRICE BID)

Price Format containing **PRICES** only **(to be furnished in the enclosed Price Schedule format only)**. Prices shall be quoted in Indian Rupees only. GST shall be payable extra. No over-writings erasures and corrections are permitted and may render such bids liable for rejection. Prices should be indicated both in words as well as in figures.

Price Bid should not contain any technical details and/or Commercial Terms & Conditions as the same are supposed to be contained in PART-I only so that the same can be evaluated before opening of Price Bid(s).

### 3.6 MARKING ON ENVELOPE

The Bidder shall submit the offer in Two Inner Envelops (one for Techno commercial bid or Part-I bid and the other for Price bid or Part- II bid) as indicated below which shall be sealed in one outer envelope. The outer envelope shall be super-scribed with Tender Enquiry No., Due Date of opening and Bidder's distinctive seal. The inner envelops shall have following details super-scribed on them.

#### PART-I:

- 1.TENDER ENQUIRY NO. AND ITEM DESCRIPTION
- 2.DUE DATE OF OPENING
- 3.TECHNO-COMMERCIAL BID.

#### PART-II:

- 1.TENDER ENQUIRY NO. AND ITEM DESCRIPTION
- 2.DUE DATE OF OPENING
- 3.PRICE BID

Un-sealed envelopes or envelopes not super-scribed as above may not be accepted/considered.

### 3.7 BID SUBMISSION

**3.7.1** Bids shall be submitted to the following address:

**AGM (HR)**  
**Prerna Bhawan, HRM**  
**Bharat Heavy Electricals Limited**  
**Bhopal-462022**  
**Telephone No.:0755-2503442 / 9425604497**  
**Email: binoykumar@bhel.in**

**3.7.2** Bids can also be delivered in person by dropping in Tender Box available in Tender Room at Administrative Building, BHEL Bhopal-462022.



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**3.7.3** Bids shall be submitted latest by 11:00 Hrs. of the due date at Tender Box in Tender Room. Any offer received by BHEL after the deadline for submission of proposal shall be summarily rejected and returned unopened to the bidder.

### 3.8 BID OPENING

3.8.1 PART-I (Techno-commercial bid) may be opened on the due date and time as specified in the Enquiry Letter or on the due date and time amended from time to time, in the presence of bidders who participate in the tender opening.

3.8.2 PART-II (Price Bid) of those bidders who are technically and commercially acceptable shall only be opened. Hence date and time of Price Bid (Part-II) opening shall be intimated to them only to facilitate their participation in the opening of the bid.

3.8.3 In case of single bidder submitting multiple offers before tender opening date with mention of the supersession of earlier bid by a later bid (on the cover), then later bid will be considered. In case of no mention of the supersession of earlier bid by a later bid, then chronologically latest bid as received at BHEL will be opened. However, Purchaser also reserves the right to open the earlier bid or superseded price bids, if any, submitted by the bidder(s), if required.

3.8.4 Not more than two representatives of the bidder will be permitted to be present for the tender opening.

3.8.5 Standard pre-printed conditions of the bidders attached to the offer will not be accepted and only those mentioned in the body of their offer and endorsement of BHEL terms and conditions in a pre-printed format will be considered.

3.8.6 After tender opening, unsolicited revised Price Bids shall not be entertained.

3.8.7 No Literature, Pamphlets other than what is specified is to be enclosed. All such enclosures will not be considered as part of the quotation.

3.8.8 Manufacturer's name, Trade Mark or Patent No., if any, should be specified.

3.8.9 Purchaser reserves the right to negotiate, if required.

### 3.9 VALIDITY OF OFFER

Offer shall be kept valid for **SIX months** from the date of tender opening (Part-I) for Purchaser's acceptance.

### 4.0 NO DEVIATION CERTIFICATE

Bids shall be submitted strictly in accordance with the requirements and terms & conditions of the Tender Enquiry. Bidders have to submit a "No Deviation Certificate" in Part-I of the offer as per format enclosed (Annexure-II).

### 4.1 LANGUAGE & CORRECTIONS

4.1.1 The bidder shall quote the rates in English language and international numerals only. The metric system of units shall be used, for the purpose of tender.

4.1.2 Bidder shall fill the **ORIGINAL** tender documents issued by BHEL. All entries and signatures in the bid shall be in **BLUE/ BLACK INK only**. Each page of the bid shall be signed and stamped using official seal of the company by the bidder.



4.1.3 All entries shall be filled in neat and legible handwriting. No over-writings erasures and corrections are permitted and may render such bids liable for rejection.

4.1.4 However, if any cancellations, corrections and insertions are in the bid, the bidder shall duly attest the same.

## 4.2 POC (Demo) OF SYSTEM, REJECTION OF BID AND OTHER GENERAL CONDITIONS

4.2.1 The bidders before submission of bid are to ensure that they quote a working solution, as the Proof of Concept (PoC) shall be initiated immediately after the last date of submission of bid for all the bidders and all the bidders has to arrange PoC within two weeks after opening the technical bid. There would be no further technical evaluation of any bid that fails the PoC.

Any format not properly filled, partially filled or not filled will make the bid liable for rejection. Bidders are requested to note that all columns, rows and spaces provided to fill up the data must be filled with relevant data without fail. In case any bidder fails to do so or fills up irrelevant data, BHEL is not bound to seek clarifications on such items and will be free to reject the tender summarily.

4.2.2 After opening the technical bid, the vendors have to arrange for POC (Proof of Concept) within two weeks and has to successfully carry out demo of camera based PIDs system for the following points:

Demo of Artificial Intelligence (AI) enabled Video Analytics Software

• Intrusion Detection and alarm generation
• Camera Tampering
• Loitering Detection
• Human & Vehicle Detection
• Search of Humans based on Attribute
• Colour Search
• Combination Search (Human/Vehicle & Colour)

The intrusion detection system must be smart enough with artificial intelligence (AI) to capture any man with suspicious movement excluding animals like dog, cat etc. in the desired area of both the sides of the perimeter wall to avoid false alarm.

**Demo of ANPR Cameras** – must be capable of tracing and recording the vehicle registration numbers of four wheelers & two wheelers in all general types of fonts. The ANPR camera at entry gates must be capable of detecting and storing the vehicle registration numbers in day and also in low lighting condition in night. The ANPR camera must be capable of reading various types of fonts of numbers eliminating the unnecessary logos & writings.

ANPR Camera System should be able to detect and recognize the English alpha numeric License plates of two wheelers or four wheelers. System should Perform OCR [Optical Character Recognition] for the standard license number plate (only English alpha numeric plates) of vehicles entering or leaving from the designated locations.

**Demo of fish eye camera** at a desired location covering 180 deg.

If any vendor fails to perform POC or could not arrange POC, they will be technically rejected and no further technical evaluation of bid will be done.

If required, BHEL is entitled to ask for quoted equipment for evaluation and all bidders are



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requested to note that they shall provide equipment exactly as per specification without any charge and precondition(s) to BHEL within 2 weeks of receiving such notice. Upon completion of such evaluation BHEL shall return the equipment to the unsuccessful bidder. However, successful bidder's equipment will be returned only after complete delivery of the ordered equipment.

4.2.3 Equipment offered must have current certifications as detailed in relevant sections. Future expectations of certification, conditional certifications, variation in certification and certification for equipment different from the make and model offered in the bid is not acceptable.

4.2.4 No change in specifications, clauses of contract, Terms and Conditions, etc. shall be entertained by BHEL under any circumstances.

4.2.5 Enclosures consisting of all specified documents shall be bound and cross-referenced with respect to relevant clause of this tender document. This shall be submitted along with the technical bid as a separate volume.

Amendments made prior to submission of bid will be provided in the form of Addenda/ Corrigendum to the Bidding Documents and will be posted on the BHEL website ([www.bhel.com](http://www.bhel.com)) only in Tender Notification section under the original tender enquiry number. Vendor has to visit the site before submitting the bid.

4.2.6 Canvassing in any way concerning this tender, wrong declaration, incorrect information, misleading or incorrect certifications, etc. shall make the Bidder debarred to participate in this tender and also liable for punitive action as per BHEL's guidelines.

4.2.7 The acceptance of bid rests with the Purchaser and does not bind him to accept any bid. The Purchaser reserves to itself, full rights for the following without assigning any reasons, whatsoever:

- a) to reject any or all the bids.
- b) to increase or decrease the quantities.

4.2.8 The offer is liable to be rejected for late submission or if it is found after the Price Bid Opening that the Checklist of Price Bid submitted by the bidder, as a part of Part-I offer, is different from the Price Bid.

4.2.9 If the bidder deliberately gives wrong information in his bid, Purchaser reserves the right to reject such a bid at any stage or to cancel the Order/Contract, if awarded and forfeit the EMD/ Security Deposit/ Performance Bank Guarantee, if any.

4.2.10 If the Prices/Rates of one or more of the enquired equipment have not been quoted, the offer is liable to be rejected.

4.2.11 Non-compliance with any of the requirements and instructions of the Tender Enquiry may result in the rejection of the bid.

4.2.12 All accessories like power cables, power supply adopters, data cables & Passive components shall be of reputed brands (ISI Mark/ISO Certified, as per safety & security guidelines). No mix and match is allowed for the same type of items.

4.2.13 Any relevant information pertaining to this tender can be obtained from:

Paritosh Kumar Dalei, Manager (HRM), Digital Surveillance Section  
Email: [paritosh1@bhel.in](mailto:paritosh1@bhel.in)  
Phone: 0755-2503148, MOBILE : 9406903686



#### **4.3 TENDER EVALUATION**

4.3.1 The offers will be evaluated based on the **total cost to BHEL (as per price bid format Annexure - VII)** for the entire scope of the tender.

4.3.2 In case of **discrepancy in Words & Figures**: -

- (a) If, in the price structure quoted for the required goods/ services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
- (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (a) and (b) above.
- (d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.

4.3.3 Though offer of higher warranty/ configuration/ rating than what is required as per tender specifications may be accepted, no extra weightage or preference will be given for the same.

4.3.4 The offers shall be evaluated based on the total cost as per price bid format annexure VII A. The total lease rentals are calculated based on the offered lease rental charges per Unit per Quarter. Post lease period AMC charges will not be considered for evaluation. Tender will be evaluated based on overall L1 barring post lease period AMC charges.

4.3.5 GST should be included in total cost.

4.3.6 Order/contract or any part thereof shall not be sub-contracted, assigned or otherwise transferred without prior written consent of the Purchaser.

4.3.7 The Bidders shall offer Bi-lateral direct lease rental agreement only.

Successful bidder shall enter into lease rental agreement with BHEL on non-judicial stamp paper of required value as per extant rules, at their own cost as per the draft agreement format (Annexure-V).

#### **4.4 TRAINING**

Training of BHEL personnel shall be part of the contract.

During installation at BHEL, the associated BHEL coordinators shall be guided on the system usage.

#### **4.5 INSTALLATION AND COMMISSIONING**

The fiber, network & electrical cable laying and connectivity of equipment in the system will be in the bidder's scope. Delivery and installation to be done by the bidder at BHEL premises under the supervision of concerned BHEL officials. During installation at respective locations the associated BHEL users will be guided on the configuration being made and used.

The completion of installation and commissioning shall be certified by BHEL and commissioning certificate shall be issued by BHEL to the vendor/bidder.



BHEL shall provide basic infrastructural support required for installation and commissioning of the equipment viz. network switches for CCTV cameras located inside factory locations excluding PIDS, electric power points etc. The civil works in PIDS will be in vendor's scope. For PIDS electrical supply will be provided at two locations – GPX (Gas Power Plant) & DTG (IT Dept.) and vendor has to lay cable till the starting point of PIDS or CCTV system.

Vendor has to arrange its own PCs / Laptops required for maintaining the entire PIDS & CCTV Surveillance System & Cluster Control, Central Information Distributor and Software Development activities.

### **4.6 ACCEPTANCE TEST PLAN (ATP):**

- a. Complete system supply, installation and running of system as per requirements and technical specifications must be completed for proceeding with ATP.
- b. Soft copy and hard copy of complete system documentation, user manual, giving details of configuration, various wiring diagrams, layout, marking and labeling of all cables, ports, terminations, running instructions etc. to be submitted. This will serve as reference document in case of any problem/system augmentation etc.
- c. Newness certificate: The Vendor has to submit the newness certificate of all the equipment supplied.
- d. OEM support: The Vendor has to submit the certificate from the principal equipment suppliers for their back to back support.
- e. After the installation and commissioning of the system as per the technical specification following are to be done;
  - i. Demonstration of PIDS system functioning including various types of alert generation after detection of any intrusion by the use of artificial intelligence as per PoC clause 4.2.2.
  - ii. The intrusion detection system must be smart enough with artificial intelligence (AI) to capture any man with suspicious movement excluding animals like dog, cat etc. in the desired area of both the sides of the perimeter wall to avoid false alarm.
  - iii. Demonstration of the CCTV cameras in off-line and on-line mode to prove the system's performance.
  - iv. Proper CCTV recording/ playback for all the above cameras to ensure proper functioning of VMS & recording in the storage & NVR. Demonstration of CCTV live & playback as per specifications from the VMS.
  - v. Demonstration of working of PIDS & CCTV System on UPS, in case of power failure during day & night, emergency situation and transfer of recording from memory card of CCTV camera to NVR.
  - vi. Demonstration of Raid 5 for restoration of CCTV recording/ footage in case of hard disc failure for both PIDS & Factory CCTV system.
  - vii. Demonstration of ANPR Cameras – must be capable of tracing and recording the vehicle registration numbers of four wheelers & two wheelers in all general types of fonts. The ANPR camera at entry gates must be capable of detecting and storing the vehicle registration numbers in day and also in low lighting condition in night. The ANPR camera must be capable of reading various types of fonts of numbers eliminating the unnecessary logos & writings. ANPR Camera System should be able to detect and recognize the English alpha numeric License plates of two wheelers or four wheelers. System should Perform OCR [Optical Character Recognition] for the standard license number plate (only English alpha numeric plates) of vehicles entering or leaving from the designated locations. The ANPR camera system need to be integrated with BHEL, Bhopal vehicle database and has to recognize/ distinguish the authorized and unauthorized vehicles at entry gates and provide alert for unauthorized vehicle entry.
  - viii. Demo of fish eye camera at the installed location covering 360 degree and creation of multiple panels of view at different angles.



#### **4.7 COMMERCIAL TERMS AND CONDITIONS FOR BIDDERS**

##### **4.7.1 GENERAL**

The words incorporating singular shall include plural and vice-versa, in the words importing masculine gender shall include feminine and vice-versa and the words importing persons shall include bodies; corporate, limited liability companies, partnership and other legal entities.

##### **4.8 EXECUTIVE SUMMARY**

4.8.1 Lease rentals quoted shall be inclusive of the following during the lease period and shall remain FIRM without any variation till completion of the lease contract:

- a) Freight, handling and packing charges, transit insurance, installation.
- b) On-site comprehensive maintenance
- c) On-site comprehensive Insurance covering total scope of supply and man power.
- d) Spares & Software/ Firmware Updates

However, all taxes & Duties as applicable are extra at actuals or in case of delay as applicable on the stipulated delivery date whichever is lesser.

4.8.2 Bidder is required to give a total solution & services as per specifications enclosed. The full working of all Equipment and Services is the responsibility of the Bidder. In case any extra item is required for complete functioning of the system, the same must be quoted, but no additional payment shall be made for that. Bidder has to incorporate its cost in the listed items of Price Bid.

4.8.3 Comprehensive maintenance during lease period shall include the following:

- a) Replacement of faulty equipment
- b) Installation charges
- c) Site inspection charges
- d) Cost of Maintenance personnel. (As mentioned at clause 5.3.5)
- e) Lease tax/Right to Use tax / any other statutory levies.

4.8.4 On-site Comprehensive insurance covering total scope of supply and man power during the currency of the lease contract. The beneficiary of the Insurance should be BHEL.

4.8.5 The bidder should provide 24x7 support (As per clause 5.3.5) for the equipment and total system in case of any fault or technical issue. Any component/equipment failed shall be replaced/replenished within 4 hours on all days of the week.

4.8.6 The Bidder shall maintain required spares, at least 5% of each equipment like CCTV cameras, hard disc, SD Card (memory card), network switch, Cables, and Connectors etc. to maintain the specified uptime.

##### **4.9 Contract Agreement**

This tender document shall be deemed to form an integral part of the contract to be entered into for this work. The successful bidder shall have to enter into a contract agreement on non-judicial stamp paper of Rs 500 (Rupees Five Hundred only) before start of the contract, which will remain valid for the entire period of the contract.

##### **5.0 Lease Rentals:**



5.1.1 Lease Rentals will commence only after successful supply, installation and commissioning of the entire equipment as per the scope of the contract. The completion of installation and commissioning shall be as per the mutually agreed ATP (Acceptance Test Plan) and shall be certified by BHEL. For more clarity please see Clause 4.6.

5.1.2 Lease Rentals will be paid on quarterly basis, on successful completion of each quarter and on certification by BHEL.

## **5.2 SUPPLY CONDITION**

All equipment supplied and installed at the stipulated locations shall be NEW and conforming to the contract technical specifications. The certificate of newness is to be furnished. The Bidder has also to produce a certificate from his principal OEM for back-to-back support for the complete lease period for all items as per the enclosed format.

## **5.3 DELIVERY/ INSTALLATION & COMMISSIONING AND MAINTENANCE:**

5.3.1 Delivery schedule of all the equipment, installation and commissioning shall be within 5 months from date of LOI. Planned details are as below:

- (a) Supply and installation of 1<sup>st</sup> batch of equipment : 2 months from LOI  
(Equipment includes CCTV camera (at least 10 % of each type), UPS power back up, NVR and software alongwith license, network switches and associated equipment.
- (b) Parallel run as agreed in ATP : 2-3 months from event (a)
- (c) Supply of remaining equipment, installation & commissioning. : 2 months from event (a)

Minor variations in schedules during activities (a), (b) and (c), if any, shall be adjusted so that 04 months' delivery is maintained.

5.3.2 Ordered items shall be offered for pre-dispatch inspection before shipment. BHEL reserves the right to inspect the components or give dispatch clearance based on Bidder's inspection and other reports.

5.3.3 All ordered equipment shall be supplied with relevant test certificates, certificate of newness of equipment and any other statutory/relevant documents.

5.3.4 Complete technical literature pertaining to the products, any relevant bench mark results/test results are to be submitted along with technical offer.

5.3.5 At least 03 maintenance personnel shall be stationed at BHEL site during contract period, for upkeep and maintenance of the equipment and software requirements. The vendor should ensure smooth functioning of the system even if any changes in on-site personnel take place during the contract period. These personnel shall have expertise in managing the system under the contract. Documentary proof of certification and experience of the personnel shall be provided. These personnel shall be available on-site between 08.00 Hrs to 17.00 Hrs during all working days of BHEL, Bhopal and shall be available on call basis round the clock, to meet any exigency.

## **5.4 RATES**

Rates to be quoted are net F.O.R. destination inclusive of freight, handling and packing





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charges, transit insurance, installation, regular insurance and comprehensive maintenance including spares at stipulated locations during the entire lease period and shall remain FIRM without any variation till completion of the lease contract. GST shall be payable extra.

Rates are to be quoted as per Price Bid Format providing details of prevailing rates of taxes. Bidders, in their own interest, are requested to check up the different tax tariff like "Right To Use" etc. at stipulated locations. After opening of Price Bid, no request for any corrections in the quoted rates/tariffs etc. will be entertained.

Taxes not mentioned by the bidder in their bid will not be entertained at later date. However, during the execution of the contract any increase or decrease in the above taxes/imposition of new taxes on BID will be entertained against documentary proof.

**Note:** - Any loss of tax credit due to the reason attributable to the contractor shall be recovered with interest from them.

### 5.5 PAYMENT TERMS AND CONDITIONS

The payment of lease charges will be made on quarterly basis after completion of each quarter and submission of invoices(s) in triplicate after signing the Lease Agreement.

Bidder has to complete installation at the locations to be identified by BHEL along with Order. The lease quarterly payment will be due after completion of the quarter from the date of successful completion of installation & acceptance by BHEL.

The Bidder should be able to support the Project site and the equipment for a period of 7 years from the date of commissioning. All Software Updates including Database updates shall be provided during the lease period at no extra cost. Any enhancement / improvements of business rules shall be carried out during the lease period. Without prejudice to any other terms and conditions whatsoever in the contract, absolute right over the data captured by the vendor lies with BHEL and vendor shall not claim any right over such data. Vendor shall give unrestricted access to the entire data captured in the system and also facilitate to interpret data for ultimate use. Access to Server, Source code and system documentation should be provided to BHEL.

#### **Following documents (Two sets) to be submitted for claiming Quarterly Lease Charges:**

##### **A. In the First Quarter:**

- Copy of Bipartite Lease Agreement
- Copy of Insurance valid for atleast 1 year.
- 5 Year OEM Warranty certificate
- Proof of Delivery / Installation Certificates signed by BHEL Coordinator.
- Uptime Certificate signed by BHEL Coordinator for the subject quarter
- E-Invoice with QR code & IRN number.
- System documentation related to hardware and software.
- Receipt of deposit/ challan copy for PF & ESI of service engineers and other statutory requirements
- Proof of submission of security deposit

##### **B. All Subsequent Quarters:**

- Uptime Certificate signed by BHEL Coordinator for the subject quarter
- E-Invoice with QR code & IRN number.
- Receipt of deposit/ challan copy for PF & ESI of service engineers and other statutory requirements



**C. Annually:**

- Copy of Renewal of Insurance valid for the next one year.

Payment will be made within 90 days for non MSME and 45 Days in case of MSME from the date of submission of bill.

**"TDS will be deducted from contractor's bill under Income Tax Act and GST Act"**

**5.6 BANK CHARGES**

Unless otherwise specified, the Bank charges, if any, shall be to the account of Bidder.

**5.7 PENALTY FOR LATE DELIVERY**

Penalty will be levied in case of delays @ **0.5 % per week of delay on undelivered portion, subject to a maximum of 10% of total order value.** Delivery for penalty purposes shall mean completion of installation & commissioning. This penalty will be deducted from the first quarter rental charges. In case the penalty amount to be deducted is more than the first quarter rental charges, the same will be adjusted from the consecutive quarter.

In case of delay in providing site clearance from BHEL side due to reasons beyond its control, suitable delivery extension will be provided.

**5.8 SECURITY DEPOSIT**

5.9.1 Security deposit is to be deposited by the Bidder after the issue of LOI/work order but before the start of work.

**The amount of Security Deposit shall be:**

The total amount of Security Deposit will be 3% of the total contract value for 5 years lease period. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit.

5.9.2 Alternately the Security Deposit may be furnished in any one of the following forms:

**Modes of deposit:** The balance amount to make up the required Security Deposit of 3% of the total contract value may be accepted in the following forms:

- Electronic Fund Transfer in favour of BHEL
- Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL
- Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL)
- Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL)  
(Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith)



**Collection of Security:**

- 1- At least 50% of the required Security Deposit, including the EMD, should be collected before start of the work. Balance of the Security Deposit can be collected by deducting 10% of the gross amount progressively from each of the running bills of the Contractor till the total amount of the required Security Deposit is collected.
- 2- If the value of work done at any time exceeds the contract value, the amount of Security Deposit shall be correspondingly enhanced and the additional Security Deposit shall be immediately deposited by the Contractor or recovered from payment/s due to the Contractor.
- 3- The recoveries made from running bills (cash deduction towards balance SD amount) can be released against submission of equivalent Bank Guarantee in acceptable form, but only once, before completion of work, with the approval of the authority competent to award the work.
- 4- EMD of the successful tenderer shall be converted and adjusted against the security Deposit
- 5- The Security deposit shall not carry any interest.
- 6- Security Deposit shall be released to the Contractor upon fulfilment of contractual obligations as per terms of the contract - BID.

**5.9 Penalty against delay in submission of Performance Security:**

**Timely submission of SD will be ensured.**

"Bidder agrees to submit performance security required for execution of the contract within the time period mentioned. In case of delay in submission of performance security, enhanced performance security which would include interest (SBI rate + 6%) for the delayed period, shall be submitted by the bidder. Further, if performance security is not submitted till such time the first bill becomes due, the amount of performance security due shall be recovered as per terms defined in NIT/ contract, from the bills along with due interest "

**6.0 DEDUCTION FOR DOWNTIME/ PENALTY**

**DOWNTIME CALCULATION FOR THE SUPPLIED EQUIPMENT & SERVICES**

Bidder shall be responsible for maintaining a minimum uptime of 99.9% for Critical components & 99% for the remaining components on monthly basis. Critical components include NVRs, Network Switch, CCTV Cameras, display monitors, UPS, work stations & software applications. Uptime below this will be treated as down time and penalty for downtime will be calculated as below.

**DOWNTIME CALCULATION**

Downtime Percentage (B)	Downtime Factor (D)
$\leq 0.1\%$	0
$> 0.1\%$ and $\leq 1\%$	5
$> 1\%$ and $\leq 10\%$	7.5
$> 10\%$	10

Working calculation for deduction

Let downtime in a quarter (3 months) = A hours



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Downtime percentage B) =  $A \times 100 / (24 \times 30 \times 3)$

Quarterly Lease Rental Charges = M Rupees

Amount of deduction =  $M \times B \times D / 100$  Rupees

The downtime will be calculated on **hourly basis** per quarter on 24 hours basis. While making the payment at the end of each quarter the downtime recovery shall be made and payment will be released accordingly. However, the payment will be made only after the system is made up.

The downtime deduction will be done on the basis of above calculation procedure of the quarterly lease rent of the equipment. For example: -

1. For NVR, the lease rent of NVR will be considered.
2. For CCTV Cameras, display monitors, UPS & work stations, the lease rent of CCTV Cameras, display monitors, UPS, work stations & software applications will be considered.
3. For application software, the lease rent of application software will be considered.

Bidder should arrange an online feedback system for registration, monitoring and redress of all complaints during the contract period.

Downtime calculation will be applicable for non-availability of services arising because of malfunctioning of CCTV cameras, NVR, display monitor, UPS, Software and storage.

### **Note:**

**If the uptime for any equipment falls below 98% continuously for one month, the equipment shall have to be replaced by the Bidder, without any extra charge or such occurrence will lead to short closure of the contract.**

## **6.1 MAINTENANCE**

Uptime of 99.9 % for critical equipment and 99% for remaining equipment shall be guaranteed for the system on monthly basis and to coordinate daily operations including maintenance & support for 24x7 working. Any down time beyond specified period as above will result in the reduction of lease rentals on Pro rata basis

Vendor to depute 03 full time resident engineer for the operation and maintenance of the system along with necessary tools and tackles, which will be available for all working days & on need basis during holidays.

Maintenance service shall cover services, repairs and replacements necessary to keep the system in good working order during the BID period. However, in case of any defect or sabotage or damage due to any reason whatsoever, the same should be rectified/ replaced by the vendor within 24 hrs (24x7 manner) of reporting of such incident. Vendor shall maintain sufficient equipment inventory (10% of total inventory) to rectify/replace the damaged/defective/non-functioning equipment. Periodic maintenance check should be carried out to keep the equipment in good working conditions and vendor has to submit the quarterly maintenance report to BHEL. Maintenance will include all moveable, plastic and/or rubber parts, etc.

Repair/ Replacement of faulty/ defective equipment and other supplied items inclusive of all types of spare parts etc.



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Installation/ Re-Installation/ Configuration of System software and other supplied software. All System Patches, Upgrades, Service Packs, etc. of the OS and all other Software supplied by the OEM must be installed and updated free of cost during the lease contract period (5 years).

Additions/Improvements/Changes to existing Business Rules to be effected during the lease contract period.

Any additional requirements to be supplied at the same rate during the contract period.

### **6.2 SERVICE MODEL**

Bidder should arrange and maintain online system for monitoring and redress of all complaints during the contract period

A Suggestive minimum required service shall cover:

- a. Complaint logging directly by employee through an on-line system (complaint tracking system) and time taken to attend to the complaint logged.
- b. The system to indicate non-functioning of the equipment viz. CCTV Camera, Switch, UPS etc.
- c. The system to give time taken for rectification of the equipment along with reason for failure.
- d. The uptime will be certified by concerned authorities.

### **6.3 INDEMNITY**

Bidder shall fully indemnify and keep indemnified the Purchaser against all claims which may be made in respect of the use of System/ Software/ Item(s)/ services supplied/ rendered by the bidder, for infringement of any rights protected by patent, registration of designs or trademarks and legality of the Software.

All such claims in this regard will be settled as per Indian Laws.

In the event of any such claims being made against the Purchaser, Purchaser will inform in writing to the Bidder who shall at his own risk and cost either settle any such dispute or conduct any litigation that may arise there from.

### **6.4 INSURANCE**

Comprehensive Insurance for all the equipment shall be arranged by the Bidder at his own risk and cost during transit, movement, storage and throughout the period of lease. Purchaser, under any circumstances, will not be responsible for any loss/damage/theft of any equipment, due to any reasons, whatsoever. Claim(s) etc., if any, will be dealt with the underwriters directly by the Bidder.

Original insurance policy shall be submitted to BHEL.

Insurance shall cover perils like natural calamities, fire, theft, transit loss, breakage, and moisture.

If the bidder fails to renew the policy before the expiry, BHEL will affect the insurance from the BID payment.

### **6.5 NON DISCLOSURE AGREEMENT**



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The successful bidder shall sign a Non-Disclosure Agreement (NDA) as per BHEL format in compliance to Information Security Management System.

### 6.6 INDEMNITY

Bidder shall fully indemnify and keep indemnified the Purchaser against all claims;

- a. Which may be made in respect of the use of Item(s)/services supplied/rendered by the Vendor, for infringement of any rights protected by patent, registration of designs or trademarks and legality of the Software.
- b. For injury or damage caused by his negligence or the negligence of his employees or arising from any defect in the goods supplied or any work carried out by him.
- c. For injury to his employees or employees of his agent(s), whilst on Purchaser's premises.
- d. Any other claims of whatsoever nature arising during the course and out of the execution of this Order/Contract.

All such claims in this regard will be settled as per Indian Laws. In the event of any such claims being made against the Purchaser, Purchaser will inform the Bidder who shall at his own risk and cost either settle any such dispute or conduct any litigation that may arise there from.

### 6.7 CONFIDENTIALITY

Bidder shall, at all times, undertake to maintain complete confidentiality of all data, information, software, drawings & documents, etc. belonging to the Purchaser and also of the Systems, procedures, reports, input documents, manuals, results and any other company documents discussed and/or finalized during the course of execution of the order/contract.

### 6.8 FORCE MAJEURE

Bidder shall not be responsible for delay in delivery resulting from acts/events beyond his control provided notice of the happening of any such act/event is given by the Vendor to the Purchaser within 15 days from the date of its occurrence. Such acts/events shall include but not be limited to acts of God, war, floods, earthquakes, strikes, lockouts, epidemics, riots, fire or Governmental regulations superimposed after the date of order/contract.

### 6.9 RISK PURCHASE

Purchaser shall reserve the right to terminate the order/contract and enter into BID at the risk and cost of the Vendor, either the whole or part of the Systems/goods, which the Vendor has failed to deliver within the stipulated delivery period or if the same were not available, the best and the nearest available substitute(s) thereof. The Vendor would be liable to compensate the Purchaser for any loss, which the Purchaser may sustain by reason of such BID contract. This clause will be operated only after completion of delivery period including minimum time period for maximum penalty.

#### **Risk & Cost:**

**"If the work is not executed or partly executed within the agreed execution period, BHEL reserves the right to cancel the order and get the work executed from the alternate source(s) at the Risk and Cost of the Contractor. In such an event, it shall be obligatory on the part of contractor to make good any loss suffered by BHEL"**



**7.0 PATENTS & TRADEMARKS**

Bidder shall at all times indemnify the Purchaser against all claims which may be made in respect of the Systems/goods/Software supplied by the Bidder, for infringement of any right protected by patent, registration of designs or trademarks and legality of usage of Software. In the event of any such claims being made against the Purchaser, Purchaser will inform the Bidder who shall at his own cost either settle any such dispute or conduct any litigation that may arise there from.

**7.1 SUB-CONTRACTING**

Order/contract or any part thereof shall not be sub-contracted, assigned or otherwise transferred without prior written consent of the Purchaser.

**7.2 TERMINATION OF THE ORDER/ LEASE AGREEMENT & ITS CONSEQUENCES**

7.2.1 The Purchaser will issue a written notice of non-compliance to the Bidder and after a rectification period of One month, termination and fore-closure clauses will be applicable.

7.2.2 Purchaser reserves the right to terminate the order/contract, either wholly or in part, upon situations arising due to non-compliance of contract Terms & Conditions of the Order/contract by the Bidder. However, without prejudice to any other clause BHEL reserves the right to terminate the contract if performance of the equipment/ system remains below 99% continuously for more than one month, at the risk and cost of the Bidder.

7.2.3 In case of the contract termination, Bidder shall remove the equipment from BHEL premises at his own risk and cost after due permission from BHEL.

7.2.4 Purchaser reserves the right to terminate the order/contract or a portion thereof for the stores not so delivered within the stipulated period, at the risk and cost to the Bidder and the Bidder shall be liable to the Purchaser for any excess costs thereof.

7.2.5 Bidder shall continue the performance of the order/contract under all circumstances, to the extent the order/contract is not cancelled.

7.2.6 Purchaser reserves the rights to cancel the lease agreement in case the equipment and services are not found to be satisfactory as specified in Clause 4.11.

**7.3 Short closure:** BHEL reserves the right to accept the offers in part or in full, cancel the Tender enquiry or short close the contract without assigning any reason.

**7.4 Consequences:** As soon as the lease agreement is cancelled/ terminated, no lease rent will be payable to the bidder.

**7.5 SETTLEMENT OF DISPUTES**

Except as otherwise specifically provided in the Order/Contract, all disputes concerning questions of the facts arising under the Order/Contract, shall be decided by the Purchaser, subject to written appeal by the Bidder to the Purchaser, whose decision shall be final to the parties hereto.

Any disputes or differences shall be to the extent possible settled amicably between the parties hereto, failing which the disputed issues shall be settled through arbitration.

However, the Bidder shall continue to perform the Order/Contract, pending settlement of dispute(s).

**7.6 ARBITRATION CLAUSE**

ARBITRATION & CONCILIATION



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Except as provided elsewhere in this Contract, in case amicable settlement is not reached between the Parties, in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the contract; or, the respective rights and liabilities of Parties; or, in relation to interpretation of any provision of the contract; or, in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other Party refer such dispute or difference to the sole arbitration of an arbitrator appointed by Head of the BHEL Unit/Region/Division issuing the Contract.

The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the Parties.

Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be ----- (the place from which the contract is issued)

The cost of arbitration shall be borne as per the award of the Arbitrator.

Subject to the arbitration in terms of Clause ----- above, the Courts at ----- (PI incorporate the name of the place where the Principal Civil Court having ordinary original civil jurisdiction to decide questions forming subject matter of the arbitration is located) shall have exclusive jurisdiction over any matter arising out of or in connection with this Contract.

Notwithstanding the existence of any dispute or differences and /or reference for the arbitration, the Contractor shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in terms of this Contract.

In case of Contract with public sector enterprise (PSE) or a Government Department, shall be applicable:

In the event of any dispute or difference relating the interpretation and application of the provisions of the contract, such dispute or difference shall be referred by either Party for arbitration to the sole arbitrator in the Department of Public Enterprises to be nominated by the secretary to the Government of India in-charge of the Department of public Enterprises. The arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the arbitrator shall be binding upon the Parties to the dispute, provided, however, any party aggrieved by such award may make further reference for setting aside or revision of the award to the Law Secretary, Department of Legal affairs, Ministry of Law and justice, Government of India. Upon such references the dispute shall be decided by the Law Secretary or the Special Secretary or Additional secretary when so authorized by the law secretary, whose decision shall bind the Parties hereto finally and conclusively. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator."

### **7.7 ACCEPTANCE OF ORDER**

Letter of bidder's acceptance of the LOI/Order/Contract is to be submitted within one week from the date of issue of the LOI/ Work Order.

### **7.8 SHIFTING OF EQUIPMENT FROM A LOCATION TO OTHER**

Shifting of equipment from one location to another shall be the responsibility of the Bidder. All the requisite works like dismantling of equipment, packing, transportation and transit insurance shall be the responsibility of the Bidder. The time given for shifting and installation of equipment at new location will be mutually agreed and time taken beyond that period will be treated as downtime.

### **7.9 REMOVAL OF SYSTEM AFTER COMPLETION OF BID**





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In case BHEL decides to surrender the equipment after the expiry of the contract, Bidder will remove and take away and safely dispose the cables, cameras, accessories from Purchaser's premises at his own risk and cost after due permission from BHEL for the permitted items.

### 8.0 ADDITIONAL FACILITY REQUIRED IN FUTURE

Additional quantity of equipment will be supplied at the quoted rate. In case up-gradation is required by BHEL, it will be done at the mutually agreed terms.

After the award of work order, during installation & commissioning BHEL can ask to increase or decrease the total number of CCTV Cameras by 5%. In case of decrease in the number of CCTV Cameras, it will be intimated to the vender during installation and accordingly payment will be calculated based on actual number of CCTV Cameras installed. In case of increase of CCTV Cameras, it will be intimated to the vender during installation and work order will be amended and accordingly payment will be calculated based on actual number of CCTV Cameras installed. The installation of the extra number of CCTV Cameras has to be completed within a month from the date of intimation.

### 8.1 TERMINAL PAYMENT

A terminal charge to be paid at the end of the contract period is Re.1/- (Rupee One only). On payment of terminal charges, the ownership of entire System including all the equipment, spares & software will get transferred to BHEL without any other payments.

### 8.2 LIMITATION OF LIABILITY

The Bidder's liability will be limited to the scope of this contract only.

### 8.3 ETHICAL STANDARD

Bidders are expected to observe the highest standard of ethics during the procurement and execution of this Contract. In pursuit of this policy, the Purchaser will reject a proposal for award if it finds out that the Bidder being considered for award has engaged in corrupt or fraudulent practices in competing for the Contract. For the purposes of this provision, the terms set forth below are defined as follows:

a) "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action in the procurement process or in Contract execution; and

b) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process including collusive practices designed to establish bid prices at artificial, non-competitive levels to deprive the Purchaser of the benefits of competition; By signing the Bid Forwarding Letter, the Bidder represents that for the software they supply, they are the owner of the Intellectual Property Rights in the software. Willful misrepresentation of these facts shall be considered a fraudulent practice without prejudice to other remedies that the Purchaser may take.

### 8.4 OTHER CLAUSES

a) Bidders must offer all the software, licenses and support for complete solution. All Licenses must be in the name of BHEL. Licenses must clearly mention their validity period and renewal policies.

b) The bidder shall include and provide all other Hardware or Software items that are not explicitly mentioned herein but are required to full-fill the intended specifications.

c) If supplied Internet Security Suite reaches End of Support during 5 years lease period i.e. no new patches and definitions are issued by OEM, then bidder will supply and install upgraded/ new version of software of same make without additional cost.



## BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

d) Bidder will furnish the monthly/quarterly uptime/downtime reports from their database for all equipment.

e) The bidder shall assign a qualified Project Manager as central coordinator to supervise the installation and deployment of all the items across all the BHEL locations.

### 8.5 **TECHNICAL TERMS & CONDITIONS/ SCOPE OF WORK**

1. The Bidder shall specify item wise compliance to Technical Specification and furnish the acceptance to maintain the system. Technical specifications and checklist in line with the desired requirements.
2. The Bidder shall submit the proposed plan of methodology to execute the maintenance at the time of bid submission.
3. Proposed system to be maintained at BHEL Bhopal at stipulated location.
4. **The bidder shall keep all equipment intact in BHEL premises without any change in place of installation during the contract period of BID and if any change required then bidder must obtain permission from BHEL.**
5. All cameras will be connected to BHEL, Bhopal data communication network at the edge switch level.
6. All required hardware and software for the system shall be supplied, installed and commissioned by the bidder. It includes but not limited to
  - a. Maintenance of cameras with Power supply adopter, Connectivity, laying of UTP cables from edge level switches to camera.
  - b. Maintenance of Control Room for Video Surveillance System monitoring
  - c. Maintenance of storage & NVR after informing DTG - IT dept.
7. Successful bidder shall constitute a project implementation team headed by the project manager. This team will work with BHEL team to formulate the project implementation plan. This plan shall be ready before the product delivery for faster execution of the project.
8. Supply of Electrical & UTP Cables, Connectors and other accessories required will be vendor's responsibility. These accessories shall be of reputed brand (ISI mark & ISO Certified wherever applicable as per safety & security guidelines). The vendor has to comply the specification for structured cabling.
9. Laying of all the power/network/communication cable shall be through suitable size HDPE conduit indoor as well as outdoor. Vendor to install standard cable route markers for outdoor cables.
10. BHEL shall provide point for power supply of 230V AC  $\pm$  10% & nearest switch port for network connectivity. The Bidder shall lay Power and Data cable (UTP), in different lengths as required, using suitable clamps & in suitable conduits (PVC or GI pipes) wherever required.
11. Any extra item required like hardware/software & necessary manpower to make the total system successfully operational will be in the scope of vendor.
12. Supply, installation & configuration of any additional software/component required for the desired functioning of the system shall be vendor's responsibility.
13. Complete documentation of the system (both hardware and software) should be provided by vendor.
14. Bidder to maintain confidentiality of data and services being provided by BHEL



15. Vendor shall take necessary precautions to ensure that there is no damage to existing facilities in any form. Cost of damage, if any by action of vendor will be debited to him.
16. Vendor shall provide seamless connectivity of more display screens on need basis for future expansion.

#### **8.6 COMPENSATION IN CASE OF DEATH OR PERMANENT INCAPACITATION**

BHEL shall recover the amount of Compensation to be paid to victim(s) by BHEL towards loss of life in case of death or permanent disability/ incapacitation of person due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as detailed below. (as per BHEL corporate circular no – 016/WLX/2018, Dt: 10.09.2018)

- a. Victim: Any person who suffers permanent disablement or dies in an accident as defined below
- b. Accident: Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious occurrence caused during the manufacturing/ operation and works incidental thereto at BHEL factories/ offices and precincts thereof, project execution, erection and commissioning, services, repairs and maintenance, trouble shooting, servicing, overhaul, renovation and retrofitting, trial operation, performance guarantee testing undertaken by the company or during any works/ during working at BHEL Units/ offices/ townships and premises/ Project sites.
- c. Compensation in respect of each of the victims:
  - i. In the event of death or permanent disability resulting from loss of both limbs: Rs. 10,00,000/- (Rs. Ten Lakh)
  - ii. In the event of other permanent disability: Rs. 7,00,000/- (Rs. Seven Lakh)
- d. Permanent disability is classified as a permanent total disablement under the provision to section 2(I) of the employee's compensation act 1923.

#### **9.0 HSE Clause**

The Contractor & his employees shall strictly follow the security instructions and safety instructions applicable for industry as per the safety instructions of the organization. In case the contractor is not taking effective steps to improve his safety performance as directed by Engineer-in-Charge based on advice given by HSE, the contractor shall be penalized including termination of his contract. In case of fatal accident (as per clause – 6) which result in permanent total disability to the worker of any contractor, the contractor may be levied a maximum penalty as per BHEL norms & terms and conditions (This penalty will be in addition to the compensation to be paid to the employee by the contractor as per statutory obligations). The details of HSE guidelines has been mentioned in Annexure – I.



## BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

### **6.0 CHECKLIST OF FORMATS (TO BE ATTACHED WITH TECHNO-COMMERCIAL BID (PART I) DULY FILLED BY THE VENDOR)**

<b>S. No.</b>	<b>Annexure to be attached</b>	<b>Format attached as annexure</b>	<b>Whether attached (Yes / NO)</b>
1	No Deviation Certificate	Annexure A	Yes / NO
2	Price Format without prices, indicating the % of statutory levies/ Taxes	Annexure B	Yes / NO
3	GST Registration/ Compliance	Annexure C	Yes / NO
4	Technical Specification of System	Annexure D	Yes / NO
5	Details of Major Project Executed	Annexure E	Yes / NO
6	EMD deposited details	Annexure F	Yes / NO
7	Authorization letter from OEMs for IP Based CCTV cameras	Annexure G	Yes / NO
8	Financial statement of bidder	Annexure H	Yes / NO
9	HSE Clause	Annexure I	Yes / NO
10	Checklist format CLC statutory compliance	Annexure J	Yes / NO
11	BHEL bank account details for NEFT RTGS Net banking	Annexure X	Yes / NO



FORMAT FOR  
"NO DEVIATION CERTIFICATE"  
(To be given on bidder's letter head)

Tender Enquiry No: ....., dated --/--/----

**NO DEVIATION CERTIFICATE**

This is to certify that our offer is exactly in line with your tender enquiry no. ...., **dated --/--/----**. This is to expressly certify that our offer contains **no deviation** either Technical or Commercial in either direct or indirect form.

**Signed By:**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization:** \_\_\_\_\_

**Date & Place:** \_\_\_\_\_

**Phone/Fax/Mobile/Email:** \_\_\_\_\_

**Stamp & Seal:** \_\_\_\_\_

Place:

Date:



**ANNEXURE-C**

1. Whenever bidders are required to supply services at project site Party has to submit GST registration no. of the State in which project site is located along with copy of registration certificate at the time of submission of Bid. In case the same is not available at the time of submission of bid, the contractor has to give an undertaking that the same will be arranged before award of work order.
2. HSN Code/SAC, rate of tax under GST and applicable GST (IGST, CGST/ SGST/ UTGST) and GSTIN shall be clearly mentioned by the Bidder.
3. GST portion of the invoice shall be released only upon: -
  - a) All invoices raised by contractor/ vendors must be GST compliant Tax invoices as per GST invoice rules.
  - b) Contractor declaring such invoice in his GSTR-1 or any modified return as notified by Government
  - c) Receipt of goods/ services and Tax invoice by BHEL and
  - d) Confirmation of payment of GST thereon by contractor on GSTN portal
  - e) Alternatively, Contractor has to submit BG of appropriate value which shall be valid at least one month after the confirmation of date of payment of GST by contractor on GSTN portal and receipt of Tax invoice and receipt of services, whichever is later. Contractor has to give an undertaking in this regard.
  - f) Contractor has to give an undertaking to BHEL that they have declared invoice in his return and paying GST within timeline prescribed for availing ITC by BHEL.Payment to Contractor for GST portion will be released only after completion of above activity and on availment of ITC by BHEL.
4. In case GST credit is delayed/ denied to BHEL due to **non/ delayed receipt of services/ goods and /or tax invoice** or expiry of the timeline prescribed in GST Law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from the contractor along with interest levied/ leviable on BHEL.

**Reverse Charge under GST**

5A. In respect of services, reverse charge liability shall arise at the earliest of date of payment to service provider or 60 days from the date of issue of invoice by service provider. Contractor has to submit bill for payment within 30 days from date of invoice. Any interest or penalty implications attributable to the contractor shall be recovered from them.

5B. Any GST liability arising on BHEL under reverse charge before actual receipt of goods and / or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other condition specified in GST Law.

**Liquidated Damage/ penalty**

6. Liquidated damage (LD) or Penalty if chargeable from suppliers/ contractors as per NIT, applicable GST will be charged in addition to the same.

“sd will be deducted from contractor’s bill under Income Tax Act and GST Act”



# BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

## ANNEXURE-E

### EXECUTED ORDER DETAILS (As per Qualification Criteria)

**Tender Enquiry No:** ....., **dated** --/--/----

S.No.	Description	Experience of Successful Execution		
		Project 1	Project 2	Project 3
1	Work Order Number, date and value (copy to be enclosed)			
2	Name of the customer / company where such system is installed or AMC received.			
3	Complete postal address of the customer.			
4	Year of commissioning.			
5	Name and designation of the contact person of the customer.			
6	Phone, FAX no. and email address of the contact person of the customer.			
7	Certificate from the customer regarding satisfactory performance			

Place:  
Date:

Signature with seal



# BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

## ANNEXURE-F

### EMD DEPOSIT DETAILS

**Tender Enquiry No:** ....., **dated** --/--/----

S.No.	EMD amount	EMD details
1	Rs.12,84,723/-	

Place:  
Date:

Signature with seal





FORMAT FOR  
"LETTER OF AUTHORITY"

Tender Enquiry No. : .....

Date: --/--/----

Date: \_\_\_\_\_

To,  
-----  
-----

Subject: **Letter of Authority**

Tender Ref. No.: ....., **dated --/--/----**

Dear Sir,

We hereby authorize \_\_\_\_\_ who will fulfill the requirements of the tender enquiry ref. no. ...., dated --/--/----to quote/ negotiate and service the equipment as required in the above tender enquiry.

This authorization is valid only for the following equipment for which we are the OEM:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

The equipment will be provided with 5 years OEM Warranty support as required in this tender enquiry. The authorized agency would ensure reliable service during complete 5 years lease period. In case of any default alternative arrangement would be done by us on the same terms and conditions as negotiated and finalized in this tender enquiry.

(Authorized Signatory)

For \_\_\_\_\_

Place:

Date:

**Note: This 'Letter of Authority' should be issued on the letterhead of OEM and enclosed in Part-I.**



## BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

### Annexure- H

Name of Work: - Supply, Installation, Commissioning & Maintenance of camera based PIDS System and CCTV Surveillance System for plant on lease basis for 5 years

### FINANCIAL STATEMENT OF BIDDER

S.No.	Financial Year	Turnover (In Rs. Crores)	Average Turnover
1			
2			
3			

Enclosures: Copies of Audited Profit and Loss statements and audited balance sheet.

Place: \_\_\_\_\_

Signature with seal

Date: \_\_\_\_\_



**Safety and Environment Obligations**

**1. Rules To Be Observed, (while inside BHEL premises):**

- i) BHEL is a no-smoking zone. This rule shall be observed by all workmen at all times while inside BHEL.
- ii) Workers shall not indulge in gambling or consumption of liquor while inside BHEL.
- iii) No workmen shall enter BHEL in inebriated condition.
- iv) Contractor shall not post any worker at a workplace without instructing him of all Safety requirements,

Technical requirements and all rules of proper conduct in line with Factories Act and BHEL Rules and regulations.

**2. SAFETY:**

- i) No workman shall be below the age of 18 years on the date of starting work in BHEL. Neither shall any contract worker be above 60 years of age during the entire period of contract.
- ii) For any skilled / semi-skilled work, notarized copies of trade certificate such as ITI pass, Diploma, or degree shall be furnished.
- iii) Electricians shall furnish their valid license from Chief Electrical Inspector, Govt of MP. Or Equivalent Certificate of experience as per IEE Rules.
- iv) For Crane operators, a minimum skill certificate of ITI pass shall be required. Experience certificate stating specific skill in crane operation such as EOT crane, mobile crane etc as may be relevant, names of enterprises where cranes have been operated in the past, period (from and to date) shall be furnished at the time of quoting for the tender.
- v) Contractor shall submit proof of crane operator having undergone training for operating the crane. Or that he is sufficiently/adequately skilled and/or experienced in operation of the said crane. This has to be in accordance of Factories Act Rule 62(3) which states "No person under 18 years of age and no person who is not sufficiently competent AND reliable shall be employed as driver (meaning: operator) of a lifting machine (meaning: crane) whether driven by mechanical power (meaning Fork lift truck, mobile crane) or otherwise (meaning: JIB crane, Mono-rail/Goliath/semi-goliath crane, EOT Crane, Hoist, Lift), or to give signals to driver (meaning: slinger).
- vi) For slingers employed by contractor, the minimum educational qualification shall be 10th pass.
- vii) List of all Personal Protective Equipment which shall be provided by Contractor must be furnished at the time of quoting for tender. In the event where, after award of work order, it is found that Contractor's workmen are working without the required PPEs, BHEL reserves the right to terminate the contract OR to provide the PPEs at the cost of Contractor. The expenses so incurred shall be deducted from the running/final bills of the contractor.
- viii) At the time of starting work, the contractor shall submit all PPEs through entries in BHEL Material Gate No-9 for such items as Face Shield, Respirators, Safety Belts, Dungarees, Welding shields etc as relevant and mandatory for adequate safety of personnel. For other



## BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

consumable nature of PPEs also, such as masks, ear-buds, muffs gloves, inspection at workplace by BHEL personnel shall confirm whether workmen are provided the PPEs and are using the same.

- ix) For items which are relevant with safe performance of work at workplace, on first day of commencement of work, the contractor shall get the signed endorsement from AGM concerned of the department where work is to be started, that workmen have been issued the relevant PPEs by contractor and that the same are being used.
- x) The Signed endorsement of this sheet shall be sent to CLC division at the time of commencement of work.
- xi) Failing to furnish this endorsed copy will result in objection for processing the running / final bill, whichever is put up first, for clearing.

### 3. ENVIRONMENT:

- i) For any Chemicals, Paints or oils etc. that the contractor may be required to be bring inside factory, the empty drums, containers etc. shall be taken out through gate no-9 under intimation to AGM concerned of the department where work is carried out. OR will be deposited at SDX through concerned department, against SDN.
- ii) No oil, effluent or chemical etc. shall be drained in the drains or water pools inside factory.

### 4. HEALTH

- i) Medical certificate of current date, from local Registered doctor (MBBS) in respect of all workmen shall be furnished by contractor before starting work in BHEL.
- ii) For crane operators Medical certificate with special fitness of eye-sight & colour-vision from Registered doctor (ophthalmology MBBS) shall be furnished before start of work; and fresh medical certificate shall be thereafter produced every 12 months. For an operator of 45 years and above, the same shall be furnished every 6 months of his working inside BHEL from Registered doctor (MBBS Ophthalmology).
- iii) All hired/on-contract crane operators shall be got verified by the contractor from Safety Department before deployment at any shop floor, and from time to time as required in accordance with directive of BHEL.
- iv) For such workmen as will be employed in Canteens, the contractor shall furnish Medical Certificate of fitness from Registered doctor (MBBS) stating fitness in addition to general aspects, free from any skin diseases, infectious diseases or diseases like TB, Asthma, Leprosy etc.
- v) As a general rule, no person above age 60 years shall be employed for contract work. However, if a specific skill set necessitates employing of a person above 60 years of age, the contractor shall specify this condition at the time of quoting for a tender. And BHEL reserves the right to allow/ permit such a person to work inside BHEL. The necessary condition for this shall be that the contractor shall furnish a certificate (of current date) of Physical Fitness from a registered Medical doctor mentioning the age of the person to be employed. However, this may be allowed only as an exception due to skill-requirement, and not as a general practice. The permission for such exception may be granted after due consideration by an official not lower than AGM(HOD).
- vi) For all such work requiring working at heights such as chimneys, rooftops, columns of blocks etc, special medical certificate of fitness from MBBS doctor shall be furnished showing the person is free from such medical conditions as vertigo, epilepsy etc. Specific



## BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

written permit shall be taken from the In-charge/HOD of that department not less than AGM, for such work.

vii) The contractor shall follow the Permit system for all dangerous operations as governed under Factories act and State Rules.

### 5. ROAD SAFETY :

- i) All vehicles brought inside the factory by contractor, shall have valid registration. The drivers, or operators as the case may be, shall have valid licenses. The vehicles shall be Roadworthy and Load-worthy as applicable.
- ii) Operation of Battery operated trucks (BOT) and Fork-lift trucks inside factory shall be done only by workmen who hold valid licenses for light commercial vehicles.
- iii) Maintaining road safety rules inside factory at all times is the prime responsibility contractor's workmen. Any violation of the same shall be deemed a punishable offence in accordance with road safety rules. Any damage to the property of BHEL by any act of carelessness on road/mishap, shall be recoverable from the contractor.

### 6. GENERAL SAFETY ASPECTS:

All Contractor's workmen shall abide by the rules & regulations of BHEL with respect to Safety, Health and

Environment while inside BHEL Bhopal factory:

- 1 BHEL's HSE policy shall be honoured at all times.
- 2 PPEs shall be used as required at the work-place
- 3 No unsafe act shall be indulged-in, by the workmen.
- 4 Special written permissions for working at heights shall be obtained by contractor.
- 5 Medical clearances as required for work shall be submitted before start of work.
- 6 While working at any machine tool area/dangerous operation, BOTs, Cranes etc. mobile phone usage is not allowed.
- 7 No loose clothing like shawls, mufflers, dupatta etc. should be worn near machine tools. Clothes shall be reasonably tight fitting and preclude any mishap occurrence.
- 8 Smoking 7 consumption of intoxicating substances is prohibited at all times inside factory.
- 9 No make-shift arrangements shall be made for any engineering shop-floor work.
- 10 Compressed air shall not be used for area or personal cleaning/de-dusting.
- 11 All stipulations of the Factories Act shall be honoured and observed by contractor's workmen.
- 7. The following requirements are specific to the Skills, Trades and Situations as per Factories Act 1948.

These have to be fulfilled by the contractor for allocating his worker(s) inside BHEL for any work awarded to him, for workers working at/on: whichever is applicable



## **BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL**

(All Factories Act & MP Rules to be fulfilled by contractor for Age, Skill, Training and Instruction for any of the below mentioned equipment, Machinery, Process)

- 7.1 Revolving Machinery
- 7.2 Pressure Vessels
- 7.3 Lifting Devices
- 7.4 Power Presses
- 7.5 Work at heights
- 7.6 Any confined space
- 7.7 Electrical Equipment
- 7.8 In the vicinity of other hazardous process/machinery

I/WE Agree

Sign & Seal of Contractor



# BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

CLC checklist on statutory compliance which need to be ensured by vendor and this format is submitted during quarterly bill submission.

(Annexure - J)

Check list for WO BILL /PAYMENT V-01

HR/CLC/WO/CL/2015-16/01

## वर्क्स कांटेक्ट हेतु चेक लिस्ट

क्र. माह :

दिनांक :

विभाग	
वर्क्स कांटेक्ट संख्या	
ठेकेदार का नाम :	
कार्य का प्रकार :	
वर्क आर्डर का मूल्य :	
सीआईएसएफ द्वारा कांटेक्टर को जारी किए गए टोकनों की संख्या	
गत माह के दौरान कांटेक्टर द्वारा नियोजित अधिकतम संख्या :	
(क) कुशल कर्मकार	
(ख) अर्धकुशल कर्मकार	
(ग) अकुशल कर्मकार	
कुल संख्या :	
ठेकेदार के लायसेंस अनुसार श्रमिकों की संख्या :	
ठेकेदार का पीएफ पंजीयन क्र.	
ठेकेदार द्वारा पीएफ के भुगतान के चालान की प्रति संलग्न है : (टिक करें)	हाँ/नहीं
पिछले माह के दौरान पीएफ में किए गए कुल भुगतान एवं उसके अंतर्गत श्रमिकों की संख्या :	
ठेकेदार का ईएसआई पंजीयन क्र.	
ठेकेदार द्वारा ईएसआई के भुगतान के चालान की प्रति संलग्न है : (टिक करें)	हाँ/नहीं
पिछले माह के दौरान ईएसआई में किए गए कुल भुगतान एवं उसके अंतर्गत श्रमिकों की संख्या :	
वेतन शीट (वेज शीट) जिसमें भुगतान दर, उपस्थिति, कुल भुगतान, पीएफ एवं ईएसआई आदि के मद में की गई कटौती एवं प्रत्येक ठेका श्रमिक को दिए गए नेट वेतन की जानकारी संलग्न है। (टिक करें)	हाँ/नहीं
क्या सभी ठेका श्रमिकों को सुरक्षा उपकरण जैसे यूनिफार्म, जूते, हेलमेट प्रदान किए गए हैं (टिक करें)	हाँ/नहीं प्रथम बिल के साथ सुरक्षा उपकरण प्रदाय की हस्ताक्षरित कापी लगाये।
क्या नियोजित किए गए ठेका श्रमिकों का नियोजन वर्क आर्डर के अनुसार है (उनकी योग्यता, दक्षता एवं अनुभव (टिक करें)	हाँ/नहीं
खोये हुए / वापिस नहीं किये गये ई-टोकन / स्मार्ट कार्ड की संख्या	<input type="checkbox"/> यदि हाँ है तो जमा की गई शुल्क की रसीद नं एवं तारीख। कृपया रसीद की कापी लगाये

प्रमाणित किया जाता है कि वेज शीट (Wages Sheet) के अनुसार, ठेका श्रमिकों को मजदूरी का भुगतान नगद / बैंक मेरे समझ किया गया।

ठेका देने वाले कार्यपालक (Contracting Executive) के हस्ताक्षर

संबंधित महाप्रबंधक के प्रतिहस्ताक्षर

नोट: ई-टोकन / स्मार्ट कार्ड की रसीद के बिना सीएलसी द्वारा बिल पास नहीं किया जायेगा।



# BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

ANNEXURE "X"



**भारत हेवी इलेक्ट्रिकल्स लिमिटेड, भोपाल**

(भारत सरकार का उपक्रम)

**Bharat Heavy Electricals Limited, Bhopal**

(A Govt. of India undertaking)

उत्कृष्टता की ओर अग्रसर

"Marching Towards Business Excellence"

TO WHOM SO EVER IS CONCERNED.

Details for receiving Bank Account for NEFT/RTGS payment.

1. Name of Beneficiary : BHARAT HEAVY ELECTRICALS LTD.
2. Name of the Bank : State Bank of India
3. Bank of Branch Address : HET, Piplani, Bhopal (M.P.)-462021
4. Account No. : 30855948540
5. IFSC Code : SBIN0000519
6. MICR : 462002011
7. Title of Account : Current Account
8. PAN No. : AAACB4146P

Place: Bhopal

Date : 19 01 2016

  
चेतन कटर  
CHETAN KATAR  
Signature & Seal  
Dr. Manager (Finance)  
भारत हेवी इलेक्ट्रिकल्स लिमिटेड, भोपाल

We certify that the above bank details are correct as per our record.

  
Banker Signature & Seal  
DRN 2917

भोपाल : 462022, दूरभाष : 2500100 (7 लाईन्स), फैक्स : 0755 - 2500425, तार : भारतेलेक  
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Signature of the contractor

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