



सीएमपीडीआई
cmpdi
A Mini-Ratna Company

TENDER DOCUMENT

For

Supply, Installation, Testing and commissioning of CCTV cameras for office and township at RI VI, CMPDI including CAMC for 04 (Four) years after one year warranty.

April 2021

CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED

(A Subsidiary of Coal India Limited)

**Regional Institute-6, PO: Jayant,
Dist.: Singrauli (MP)-486890**

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(A Subsidiary of Coal India Limited)
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NIT No: CMPDI/ RI-6/E&M/CCTV/2021-22/851

Date: 20.04.2021

DETAILED E-TENDER NOTICE

1. **Name of Work: Supply, Installation, Testing and commissioning of CCTV cameras for office and township at RI VI, CMPDI including CAMC for 04 (Four) years after one year warranty.**

Tenders are invited on-line on the website <http://coalindiatenders.nic.in> from the eligible bidders having Digital Signature Certificate (DSC) issued from any agency authorized by Controller of Certifying Authority (CCA), Govt. of India and which can be traced up to the chain of trust to the Root Certificate of CCA, for the following work.

Name of work	Estimated cost including CAMC for 04 years (Including GST)	Earnest Money	Completion Period
Supply, Installation, Testing and commissioning of CCTV cameras for office and township at RI VI, CMPDI including CAMC for 04 (Four) years after one year warranty.	Rs. 1967813.84	NIL	90 Days

Note: Estimate for the major items are based on Last work order rate & market rate. The contractor is advised to quote the price based on item rate basis/percentage above/below as per current market rate excluding the impact of GST.

Tender Inviting Authority	Contact Person(s)/Tender Dealing Officer(s)
Uttam Das, GM/HOD (E&M), CMPDI, RI-VI, Jayant, Singrauli (M.P) ,PIN - 486890. Contact No. 9425177909	Himanshu Singh, Asst. Manager(E&M), E&M Department of CMPDI,RI-VI, Jayant, Singrauli(M.P) PIN – 486890. Contact No. 7004071236.

2. **Time Schedule of Activities:**

Sl. No.	Particulars	Time Schedule
a.	Tender e-Publication date	Date & Time as mentioned in the website:
b.	Document download/ Sale Start Date	
c.	Document download & Bid submission End Date	

d.	Bid Submission Start Date	https://coalindiatenders.nic.in
e.	Start Date for seeking Clarification on-line	
f.	Last Date for seeking Clarification on-line	
g.	Date of Pre-Bid Meeting (If required)	
h.	Bid Opening Date	

NOTE (Important):

- i. If number of bids received online is found to be less than three on end date of bid submission then the following critical dates of the Tender will be automatically extended initially for a period of two days ending at 17.00 hrs and if the number of bids still remains less than three then for another five days ending at 17.00 hrs:
 - a. Last date of submission of Bid
 - b. Last date of receipt of EMD
 - c. Date of opening of Tender
- ii. If any of the above extended Dates falls on Holiday i.e. a non-working day as defined in the e-Procurement Portal then the same is to be rescheduled to the next working day.
- iii. This extension will be also applicable in case of receipt of zero bid.
- iv. There will be no physical / manual sale of the Tender Document.
- v. There is no tender fee and the bidders can download the Tender Document free of cost.
- vi. Bidders are advised to download the complete set of the Tender Document, including the tender details.

3. Bid Security/ Earnest Money Deposit (EMD):

- 3.1. The bidders have to sign a bid securing declaration (**as per Annexure-8**) accepting that if they withdraw or modify their bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline or any other default which attracts forfeiture of EMD as defined in the request for bids documents, they will be banned for two years from being eligible to submit bids in CIL and its subsidiaries. The banning shall be done under the provisions of the NIT with the approval of Tender Accepting Authority with intimation to all concerned and online blocking of the bidder shall be done on receipt of written communication from tender inviting authority by application Admin of CIL e-Procurement Portal.

~~The bidder will have to make the payment of EMD through online mode only.~~

~~In Online mode the bidder can make payment of EMD either through net-banking from designated Bank/s or through NEFT/RTGS from any scheduled Bank. In case of payment through net-banking the money will be immediately transferred to CIL/Subsidiary's designated Account. In case of payment through NEFT/RTGS the bidder will have to make payment as per the Challans generated by system on e-Procurement portal before submission of bid. Bidder will be allowed to submit his/her bid only when the EMD is successfully received in CIL/Subsidiary account and the information flows from Bank to e-Procurement system.~~

~~Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) will be exempt from the payment of earnest money.~~

~~In case of exemption of EMD the scanned copy of document in support of exemption will have to be uploaded by the bidder during bid submission. However, this option is to be enabled only in those cases where the exemption of EMD to some bidders is allowed as per NIT.~~

- ~~3.2. Any bid, which has not been, submitted either with the requisite amount of EMD or the valid exemption document (as applicable) shall be summarily rejected by the employer as non-responsive.~~
- ~~3.3. The EMD of rejected bidders will be refunded at any stage directly to the account from where it had been received (except the cases where EMD is to be forfeited).~~
- ~~3.4. The Bid Security / EMD of successful bidder may be retained and adjusted with performance security / security deposit at bidder's option.~~
- 3.5. The Bid Security/Earnest Money may be forfeited:
- if the Bidder withdraws the Bid after the end date of Bid submission during the period of Bid validity / extended validity with mutual consent; or
 - In the case of a successful Bidder, if the Bidder fails within the specified time limit to:
Sign the Agreement; or
Furnish the required Performance Security and Additional Performance security, if any;
Additionally, the company shall ban such defaulting contractor from participating in future tenders in concerned Subsidiary/CIL HQ for a period of minimum one year from the date of issue of such letter.
In case of JV/Partnership firm, the banning shall also be applicable to all individual partners of JV/Partnership firm.
- ~~3.6. The Bid Security/ EMD deposited with the Employer will not carry any interest.~~
- ~~3.7. No claim from the bidders will be entertained for non-receipt of the refund in any account other than the one from where the money is received.~~
- ~~3.8. If the refund of EMD is not received by the bidder in the account from which the EMD has been made due to any technical reason, then it will be paid through conventional system of e-payment. For this purpose, bidder should submit E-Mandate form in format provided by company.~~
- ~~3.9. In case the tender is cancelled then EMD of all the participating bidders will be refunded unless it is forfeited by the department.~~
- ~~3.10. If the bidder withdraws his/her bid online (i.e. before the end date of submission of tender) then his/her EMD will be refunded automatically after the opening of tender.~~

4. Pre-bid Meeting:

The pre-bid meeting shall be held in the office of Tender Inviting Authority on the scheduled date & time, only if specified online. Non-attendance of pre-bid meeting will not be a cause for disqualification of the bidder and it shall be presumed that the bidder does not require any clarification. The purpose of the pre-bid meeting will be to clarify issues.

5. Clarification of Bid:

The bidder may seek clarification on-line within the specified period. However, the management will clarify, as far as possible, only the relevant queries.

6. User Portal Agreement:

The bidders have to accept unconditionally the online user portal agreement which contains the acceptance of all the Terms and Conditions of NIT including '*General Terms & Conditions*' and '*Special Terms & Conditions*' and other conditions, if any, along with on-line undertaking in support of the authenticity of the declarations regarding the facts, figures, information and documents

furnished by the Bidder on-line through <https://coalindiatenders.nic.in> in order to become an eligible bidder. No conditional bid shall be accepted.

7. Eligible Bidders:

Only 'Class-I Local Supplier' and 'Class-II Local Supplier' as defined in Clause 8.7 of Detailed e-Tender Notice shall be eligible to bid. In order to submit the bid, the bidders have to get themselves registered online on e-Procurement portal of CIL (<https://coalindiatenders.nic.in>) with valid Digital Signature Certificate (DSC). The bidders should have a Digital Signature Certificate (DSC) issued from any agency authorized by Controller of Certifying Authority (CCA), Govt. of India and which can be traced up to the chain of trust to the Root Certificate of CCA. The invitation for bid is open to all bidders including an individual, proprietorship firm, partnership firm, or company registered under company's act having eligibility to participate as per eligibility criteria stipulated in [Clause No: 8](#) of the NIT.

NOTE: No Joint Venture shall be allowed for participation in the bid.

8. A. Eligibility Criteria:

8.1. Permanent Account Number (PAN):

The bidder should possess Permanent Account Number (PAN) issued by Income Tax Department, Govt. of India.

In respect of the above eligibility criteria the bidders are required to furnish the following information on-line:

Confirmation in the form of **Yes / No** regarding possessing of Permanent Account Number (PAN) issued by Income Tax Department, Govt. of India.

Scanned copy of documents to be uploaded by bidders (CONFIRMATORY DOCUMENT):

Photocopy of the PAN Card of the bidder issued by Income Tax Department, Govt. of India

Technical evaluation by the System:

The system will evaluate "Yes" as eligible and "No" as not eligible.

8.2. Goods and Service Tax (Not Applicable for Exempted Goods / Services):

The bidder should be either

GST Registered Bidder/ Dealer (but not under Composition Scheme)

OR

GST unregistered Bidder/ Dealer

In respect of the above eligibility criteria the bidder is required to furnish the following information online:

i). Confirmation in the form of Yes/No regarding possessing of required document as enlisted in NIT with respect to GST status of the bidder.

Scanned copy of documents to be uploaded by bidders in support of information/ declaration furnished online by the bidder against Eligibility Criteria as Confirmatory Document

The following documents depending upon the status w.r.to GST as declared by Bidder in the BOQ sheet:

a) Status: GST registered Bidder/Dealer :(but not under Composition Scheme) Document: GST Registration Certificate (i.e. GST identification Number) issued by appropriate authority.

b) Status: GST unregistered bidder/Dealer:

Document: A Certificate from a practicing Chartered Accountant having membership number with Institute of Chartered Accountants of India certifying that the bidder is GST unregistered bidder/dealer in compliance with the relevant GST rules of India.

If turnover of bidder exceeds exemption limit, the bidder must have GST registration as per GST Act and rules.

8.3. Digital Signature Certificate (DSC):

If the bidder himself is the DSC holder bidding on-line, then no document is required. However, if the DSC holder is bidding online on behalf of the bidder, then the Power of Attorney or any sort of legally acceptable document for the authority to bid on behalf of the bidder is required.

Scanned copy of documents to be uploaded by bidders (CONFIRMATORY DOCUMENT):

If the bidder himself is the DSC holder bidding on-line then no document is required.

However

If the DSC holder is bidding online on behalf of the bidder then the Power of Attorney or any sort of legally acceptable document for the authority to bid on behalf of the bidder.

8.4. ~~Provident Fund:~~

~~The bidder should possess a Provident Fund Registration Certificate issued by Govt. Dept of any Indian State.~~

~~**Scanned copy of documents to be uploaded by bidders (CONFIRMATORY DOCUMENT):**~~

~~Copy of Provident Fund Registration Certificate issued by Govt. Dept of any Indian State.~~

8.5. Undertaking:

A commitment is to be uploaded in the form of UNDERTAKING on Bidder's letter head as per the format given in the bid document (Annexure-A2).

Undertaking is about the genuineness of information furnished online, authenticity of scanned copy of documents uploaded and about other commitments.

Scanned copy of documents to be uploaded by bidders (CONFIRMATORY DOCUMENT)

A commitment is to be uploaded in the form of UNDERTAKING on Bidder's letter head as per the format given in the bid document (Annexure-A2).

Undertaking is about the genuineness of information furnished online, authenticity of scanned copy of documents uploaded and about other commitments.

8.6. Legal Status of the bidder:

Scanned copy of documents to be uploaded by bidders (CONFIRMATORY DOCUMENT)

Any one of the following documents:

1. Affidavit or any other document to prove proprietorship/ Individual status of the bidder.
2. Partnership deed containing name of partners
3. Memorandum & Article of Association with certificate of incorporation containing name of bidder.

B. General Essential Requirements:

In order to qualify in the tender the bidders have to accept the following conditions:

- i. All the Terms and Condition of the NIT and Tender Document Unconditionally on line in the form of User Portal Agreement.
- ii. Expected values of each of the General Technical Evaluation(GTE) items

- iii. To upload online the scanned copy of documents, as specified in the NIT for evaluation by Tender Committee as per the checklist given in the NIT

Data to be furnished by Bidder on-line:

- i. Confirmation in the form of **Agree/Disagree** for accepting user portal agreement
- ii. Confirmation in the form of **Yes/No** for each GTE item

Technical evaluation by the System:

System will capture data in the **Agree/Disagree** OR **YES/NO** format from the bidder and will decide the eligibility for (i) & (ii) above.

For (iii), the confirmatory documents will be downloaded and evaluated by Tender Committee. The outcome is to be uploaded on line in Confirmatory Document page.

8.7. *Public Procurement (Preference to Make in India) for “Local supplier”.*

Public Procurement (Preference to Make in India) vide Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020, issued by Govt. of India as amended from time to time shall be applicable. Accordingly, provisions of these guidelines are to be modified suitably.

In terms of the above said policy, only ‘Class-I Local Supplier’ and ‘Class-II Local Supplier’ shall be eligible to bid and purchase preference shall be given to only ‘Class-I Local Supplier’.

The definitions of ‘*Local Supplier*’, ‘*Local Content*’ and ‘*Margin of Purchase Preference*’ as per above mentioned Order are as follows:-

- A. ‘*Local Content*’ means the amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.
- B. ‘*Class-I Local Supplier*’ means a supplier or service provider whose goods, services or works offered for procurement, has local content equal to or more than 50 %.
- C. ‘*Class-II Local Supplier*’ means a supplier or service provider whose goods, services or works offered for procurement, has local content more than 20% but less than 50 %.
- D. ‘*Margin of Purchase Preference*’ means the maximum extent to which the price quoted by a “Class-I local supplier” may be above the L1 for the purpose of purchase preference. The margin of purchase preference is 20%.

In respect of the above eligibility criteria the bidder is required to furnish the following information online:

- i. Confirmation in the form of Yes/No regarding possessing of required document as enlisted in NIT with respect to “Local Supplier” status of the bidder.

Scanned copy of documents to be uploaded by bidders (**Confirmatory Document**)

- ii. If the estimated value of Procurement is less than or equal to Rs.10 crores, the ‘Class-I Local Supplier’ / ‘Class-II Local Supplier’ shall indicate the percentage of local content and provide self-certification that the item offered meets the local content requirement for Class-I Local Supplier’ / ‘Class-II Local Supplier’ ,as the case may be. They shall also give details of the location(s) at which the local value addition is made.

Note: The provisions of the above Public Procurement (Preference to Make in India) policy shall be not applicable where the estimated value to be procured is less than Rs 5 lakhs.

9. Submission of Bid:

9.1 Online Registration:

In order to submit the Bid, the bidders have to get themselves registered online on the e-Procurement portal of CIL (<https://coalindiatenders.nic.in>) with valid Digital Signature Certificate (DSC) issued from any agency authorized by Controller of Certifying Authority (CCA), Govt. of India and which can be traced up to the chain of trust to the Root Certificate of CCA. The online Registration of the Bidders on the portal will be free of cost and one time activity only. The registration should be in the name of bidder, whereas DSC holder may be either bidder himself or his duly authorized person. All the bids are to be submitted online and on the website <https://coalindiatenders.nic.in>. No bid shall be accepted offline.

9.2 User Portal Agreement:

The bidders have to accept unconditionally the online user portal agreement which contains the acceptance of all the Terms and Conditions of NIT including General and Special Terms & Conditions and other conditions, if any, along with on-line undertaking in support of the authenticity of the declarations regarding the facts, figures, information and documents furnished by the Bidder on-line in order to become an eligible bidder. No conditional bid shall be accepted. This User Portal Agreement will be part of NIT/Contract Document.

The bidder should strictly comply with following instructions:

- I. The bidders are requested to submit offers online giving reference to this tender notice number and date containing offers in single cover i.e. Cover-I.
- II. **Cover-I of the bid should contain the details as follows:**
 - i) **Letter of bid**
 - ii) **Details of Earnest Money**
 - iii) **Information on Eligibility/ Qualifying criteria as detailed under **Clause No.8** including necessary scanned documents as elaborated there.**
 - iv) **Prices only in the Excel format as indicated in the Bid document.**

9.3 Confirmatory Documents:

All the confirmatory documents as enlisted in the NIT in support of online information furnished by the bidder are to be uploaded in Cover-I & OID (if asked) by the bidder while submitting the bid online.

All the bidders are to submit the information in objective manner confirmed by the uploaded documents. The documents related to the furnished online information, based on which the auto evaluation takes place will be considered. If the bidder uploads any other document, it will be given no cognizance.

The scanned copy of following documents will be submitted by the bidder online while submitting bid under Cover-I (Part-I).

CHECK LIST OF DOCUMENTS TO BE UPLOADED BY THE BIDDERS

SI No	Documents related to Eligibility Criteria	Scanned copy of documents to be uploaded by bidder in support of information/ declaration furnished online by the bidder against Eligibility Criteria as Confirmatory Documents.
1	Permanent Account Number (PAN) (Ref. Clause No. 8.1 of NIT)	Copy of PAN card issued by Income Tax Department, Govt. of India.
2	Goods and Service Tax (Not Applicable for Exempted Goods/ Services)	The following documents establishing the status of bidder w.r.t GST as declared by Bidder in the BOQ sheet:

	(Ref. Clause No. 8.2 of NIT)	<p>a) Status: GST registered Bidder/Dealer(but not under Composition Scheme) -</p> <p>Document: GST Registration Certificate (i.e. GST identification Number) issued by appropriate authority of India.</p> <p>b) Status: GST unregistered bidder / Dealer -</p> <p>Document: A Certificate from a practicing Chartered Accountant having membership number with Institute of Chartered Accountants of India certifying that the bidder is GST unregistered bidder/ dealer in compliance with the relevant GST rules of India.</p> <p>Note: If turnover of bidder exceeds exemption limit, the bidder must have GST registration as per GST Act and rules.</p>
3	Digital Signature Certificate (Ref. Clause No. 8.3 of NIT)	<p>1. If the bidder himself is the DSC holder bidding on-line then no document is required.</p> <p>However</p> <p>2. If the DSC holder is bidding online on behalf of the bidder then the Power of Attorney or any sort of legally acceptable document for the authority to bid on behalf of the bidder</p>
4	Provident Fund- (Ref. Clause No 8.4 of NIT)	Copy of Provident Fund Registration Certificate issued by Govt. Dept of any Indian State.
5	Undertaking (Ref. Clause No. 8.5 of NIT)	<p>A commitment is to be uploaded in the form of UNDERTAKING on Bidder's letter head as per the format given in the bid document (Annexure-A2).</p> <p>Undertaking is about the genuineness of information furnished online, authenticity of scanned copy of documents uploaded and about other commitments.</p>
6	Legal Status of the bidder (Ref. Clause No. 8.6 of NIT)	<p><u>Any one of the following documents:</u></p> <ol style="list-style-type: none"> 1. Affidavit or any other document to prove proprietorship/ Individual status of the bidder. 2. Partnership deed containing name of partners 3. Memorandum & Article of Association with certificate of incorporation containing name of bidder. <p>(The partnership firm is required to submit written consent of all the partners to Arbitration clause).</p>
7	Public Procurement (Preference to Make in India) for "Local supplier". (Ref. Clause No. 8.7 of NIT)	<p>i) If the estimated value of Procurement is less than or equal to Rs.10 crores ,the 'Class-I Local Supplier' / 'Class-II Local Supplier' shall indicate the percentage of local content and provide self-certification that the item offered meets the local content requirement for Class-I Local Supplier' / 'Class-II Local Supplier' ,as the case may be. They shall also give details of the location(s) at which the local value addition is made.</p> <p>Note: The provisions of the above Public Procurement (Preference to Make in India) policy shall be not applicable</p>

		where the estimated value to be procured is less than Rs 5 lakhs.
8	Letter of Bid (LoB)	Letter of Bid (LoB) on the bidder's letter head, in prescribed format (Annexure- A1).
9	Mandate Form for Electronic Fund Transfer.	Conformation in form of Yes/No. Copy of Mandate form duly filled in as per Performa. (As per Annexure- A3).
10	Additional Document	Bidder must submit Technical parameter Sheet duly filled with Make and Model of each item. (TPS is in .pdf format, Kindly download and then upload it back in scanned .pdf format after filling make and model with their seal and sign on each page.)
10	Workmen compensation Insurance	Undertaking may be given on bidder's letter head regarding the submission of workmen compensation insurance for deployed manpower before commencement of work. NB: - Workmen compensation Insurance must be obtained by contractor for gross emoluments payable to the deployed manpower for contract period.
11	BOQ	Price Bid in Prescribed BOQ format.
12	MSE's Declaration	As per Annexure-A7
13	Bid Securing Declaration	As per Annexure-A8
Any other document to support the qualification information as submitted by bidder on-line.		
Note: Only one file in .pdf format can be uploaded against each eligibility criteria. Any additional/ other relevant documents to support the information/declaration furnished by bidder online against eligibility criteria may also be attached by the bidder in the same file to be uploaded against respective eligibility criteria.		

9.4 Letter of Bid:

The format of Letter of Bid (as given '[ANNEXURE-A1](#)') will be downloaded by the bidder and will be printed/ typed on his letter head. This document will be signed by the bidder or any authorized person of bidder or a DSC holder, bidding online with authorization from the bidder and scanned copy of the same will be uploaded during bid submission in cover-I. This will be the covering letter of the bidder for his submitted bid. The content of the "Letter of Bid" uploaded by the bidder must be the same as per the format downloaded from website and it should not contain any other information, which contradicts the content and spirit of the original format of LOB.

The Letter of bid will be digitally signed by DSC holder submitting bid online and it does not require any physical signature. However, if the Letter of Bid (LOB) bears the physical signature in addition to the digital signature of DSC holder, it will be accepted without questioning the identity of person signing the Letter of Bid.

NOTE:

If there is any change in the contents of Letter of Bid uploaded by bidder as compared to the format of Letter of Bid uploaded by the department with NIT document, then the LOB shall be requested under the head Confirmatory documents and subsequently accepted or rejected as applicable.

9.5 Price Bid:

The Price bid containing the Bill of Quantity will be in .xls format (password protected) and will be uploaded during tender creation. This will be downloaded by the bidder and he will quote the rates for all items on this Excel file. Thereafter, the bidder will upload the same Excel file during bid submission in Cover-I. The Price-bid will be in Item Rate or Percentage Rate BOQ format and the bidder will have to quote for all the tendered items and the L-1 will be decided on overall quoted value(i.e. Cost to company). The Price-bids of the tenderers will have no condition. The Price Bid which is incomplete and not submitted as per instruction given above will be rejected.

The L-1 bidder will be decided based on cost to the Company. Prior to quoting the rates in the BOQ file, the bidder will select the appropriate Goods and Service tax (GST), status from the following list given in the BOQ:

- I). GST Registered Bidder
- II) GST Unregistered Bidder.

SYSTEM FOR DECISION OF L-1:

The L1 bidder will be decided based on Overall Quoted Value (i.e. Cost to the Company). The system for decision of L-1 bidder will be as follows:

Case – 1: Works / Services for which INPUT TAX CREDIT is not available to the Company.

The overall bid price (Cost to Company) will be rates quoted by the bidder plus applicable rate of GST (Goods & Service Tax). The ranking of the Bidders will be decided based on 'Cost to Company' price. The lowest cost to company price will be ranked as L-1, the next higher price as L-2 and so on calculated by the system.

Case – 2: Works / Services for which INPUT TAX CREDIT is available to the Company.

The overall bid price (Cost to Company) will be rates quoted by the bidder only; GST (Goods & Service Tax) will not be added in this case. The ranking of the Bidders will be decided based on 'Cost to Company' price. The lowest cost to company price will be ranked as L-1, the next higher price as L-2 and so on calculated by the system.

The Contract Value will be the value of the 'Rates quoted by bidder plus amount of GST. The liability of payment of GST by the contractor registered under GST will lie with the contractor. The payment of GST would be made to the contractor only on submission of Bill / Invoice in accordance with the provision of GST Rules. In case of unregistered bidder, the applicable GST will be paid by CMPDIL directly to the concerned Tax Authority.

The Tax Invoice raised by the supplier must be in compliance of relevant GST Acts, rules & notifications made thereunder and should bear the GSTIN number for the supply to CMPDIL HQ as given below:

State	Unit / HQ	City	GSTIN (Provisional ID)
Madhya Pradesh	CMPDI RI-6	Singrauli	23AAACC7475N1ZC

* RI's to provide their respective GSTIN details.

In addition to above, if any other tax/duties are levied over supply of such goods or services in future, it shall be paid extra.

E-way Bill: *The e-way bill required in connection with supply of goods or services, if any, shall be arranged by the supplier. However, the e-way bill will be arranged by CMPDIL if the supplier/Vendor is unregistered one or if provisions of the relevant Act and the rules made there under specifically states that the e-way bill is required to be issued by recipient of goods.)*

TDS: The TDS, if applicable, shall be made at applicable rate from the payment made or credited to the supplier.

The Price-bids of the tenderers shall have no condition. The Price Bid which is incomplete and not submitted as per instruction given above will be rejected.

If L1 bidder backs out (i.e. Techno commercially established L1 bidder), the EMD will be forfeited and the bidder will be debarred for minimum one (1) year from participating in tenders in CIL/Subsidiary.

Public Procurement (Preference to Make in India) vide Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 issued by Govt. of India as amended from time to time shall be applicable. Accordingly, provisions of these guidelines are to be modified suitably.

In terms of the above said policy, purchase preference shall be given to 'Class-I Local Supplier' in the following manner:

- I. In the procurement of goods or works which are divisible in nature, the following procedure shall be followed :-
 - i) Among all qualified bids, the lowest bid will be termed as L-1. If L-1 is 'Class-I Local Supplier', the contract for full quantity will be awarded to L-1.
 - ii) If L-1 bid is not a 'Class-I Local Supplier', 50% of the order quantity shall be awarded to L-1. Thereafter, the lowest bidder among the 'Class-I Local Supplier' will be invited to match the L-1 price for the remaining 50% quantity subject to 'Class-I Local Supplier' quoted price falling within the margin of purchase preference, and the contract for that quantity shall be awarded to such 'Class-I Local Supplier' subject to his matching the L-1 price. In case such lowest eligible 'Class-I Local Supplier' fails to match the L-1 price or accept less than the offer quantity, the next higher 'Class-I Local Supplier' within the margin of purchase preference shall be invited to match the L-1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on 'Class-I Local Supplier', then such balance quantity may also be ordered on L-1 bidder.
- II. In the procurement of goods or works which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed:-
 - i) Among all qualified bids, the lowest bid will be termed as L-1. If L-1 is 'Class-I Local Supplier', the contract will be awarded to L-1.
 - ii) If L-1 is not a 'Class-I Local Supplier', the lowest bidder among 'Class-I Local Supplier', will be invited to match the L-1 price subject to 'Class-I Local Supplier' quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I Local Supplier' subject to matching the L-1 price.
 - iii) In case such lowest eligible 'Class-I Local Supplier' fails to match the L-1 price, the 'Class-I Local Supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L-1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I Local Supplier' within the margin of purchase preference matches the L-1 price, then the contract may be awarded to the L-1 bidder.
- III. 'Class-II Local Supplier' will not get purchase preference.

Verification of local content:

- i. CMPDI may constitute committees with internal and external experts for independent verification of auditor's / accountant's certificates on random basis and in the case of complaints.
- ii. False declarations will attract banning of business of the bidder for a period upto two year and with process in line with Guidelines for Banning of Business.
- iii. A supplier who has been debarred by any procuring entity for violation of above order shall not be eligible for preference under this Order for procurement by any other procuring entity

for the duration of debarment. The debarment for such other procuring entities shall take effect prospectively from the date of uploading on the website(s) in such a manner that ongoing procurements are not disrupted

10. Bid Submission:

All bids are to be submitted on-line on the website <https://coalindiatenders.nic.in> . No bid shall be accepted off-line unless otherwise specified.

11. System Requirement:

It is the bidder's responsibility to comply with the system requirement i.e. hardware, software and internet connectivity at bidder's premises to access the e-tender website. Under any circumstances, CMPDIL shall not be liable to the bidders for any direct/ indirect loss or damages incurred by them arising out of incorrect use of the e-tender system or Internet connectivity failures.

12. Auto Extension of Critical Date:

If number of bids received online is found to be less than 03 (three) on End Date of bid submission, then the following critical dates of the Tender will be automatically extended initially for a period of 02 (two) days; and, if the number of bids still remains less than 03 (three), then for another 05 (five) days:

- Last date of submission of Bid.
- Last date of receipt of EMD.
- Date of Opening of Tender.

If any of the above extended Dates falls on Holiday i.e. a non-working day as defined in the e-Procurement Portal then the same is to be rescheduled to the next working day.

This extension will be also applicable in case of receipt of zero bid.

NOTE:

1. The validity period of tender shall be decided based on the final end date of submission of bids.
2. The auto extension shall work on the basis of number of bids received only. It may so happen that any of these bids may be eventually rejected during Tender Opening, Technical evaluation or further process of evaluation resulting the total number of valid bids becoming less than 03(three).

After two extensions, the tender shall be opened irrespective of available number of bids on the extended date of opening of tender.

13. OPENING AND EVALUATION OF TENDER :

13.1 The e-Procurement System will evaluate the Technical bids automatically on the basis of relevant data provided by bidder through a form in an objective and structured manner while submitting bid. If the parameter given by bidder in objective and structured manner does not confirm to required eligibility criteria as specified in the tender document then the bid will be automatically rejected by the system.

13.2 Acceptance of Bidder in a general form of online declaration will be recognized and accepted as the certification regarding authenticity of all the information and documents furnished by them online and acceptance of all terms and conditions of the bid document, since such acceptance by Bidder with Digital Signature Certificate is legally tenable.

13.3 Opening of bid: Tender will be decrypted and opened online by the "Bid Openers" with their Digital Signature Certificates on the prescheduled date & time of Tender Opening.

13.4 Tender evaluation:

- A. After opening of bid, the documents submitted by L-1 bidder in cover I as enlisted in the NIT will be downloaded by the Evaluator and shall be put up to the Tender Committee. The Tender Committee will examine the uploaded documents against information/declarations furnished by the L1 bidder online. If it confirms to all of the information/ declarations furnished by the bidder online and does not change the eligibility status of the bidder then the bidder will be considered eligible for award of Contract.
- B. In case the Tender Committee finds that there is some deficiency in uploaded documents corresponding to the information furnished online or in case corresponding document have not been uploaded by bidder(s) then the same will be specified online by Evaluator clearly indicating the omissions/shortcomings in the uploaded documents and indicating start date and end date allowing 7 days (7 x 24 hours) time for online re-submission by bidder(s). The bidder(s) will get this information on their personalized dashboard under "Upload confirmatory document" link. Additionally, information shall also be sent by system generated email and SMS, but it will be the bidder's responsibility to check the updated status/information on their personalized dash board regularly after opening of bid. No separate communication will be required in this regard. Non-receipt of e-mail and SMS will not be accepted as a reason of non-submission of documents within prescribed time. The bidder(s) will upload the scanned copy of all those specified documents in support of the information/ declarations furnished by them online within the specified period of 7 days. No further clarification shall be sought from Bidder.
- C. The tender will be evaluated on the basis of documents uploaded by L-1 bidder online. The L-1 bidder is not required to submit hard copy of any document through offline mode. Any document submitted offline will not be given any cognizance in the evaluation of tender.
- D. In case the L-1 bidder submits requisite documents online as per NIT, then the bidder will be considered eligible for award of Contract. .
- E. In case the L-1 bidder fails to submit requisite documents online as per NIT or if any of the information/declaration furnished by L-1 bidder online is found to be wrong by Tender Committee during evaluation of scanned documents uploaded by bidder, which changes the eligibility status of the bidder, then his bid shall be rejected and **EMD of L-1 bidder will be forfeited**.
- F. In case the L1 bidder is technically eligible but rejection is due to high rate quoted by him/her then the tender shall be cancelled and retendered.
- G. In case the L1 bidder is rejected due to noncompliance of confirmatory documents then the L-2 bidder will become L-1 bidder and confirmatory documents of this bidder shall be evaluated by TC and the process shall be followed as mentioned in clause no. A to G above.
- H. The process as mentioned at Cl. H shall be repeated till the work is either awarded or all the eligible bidders are exhausted.
- I. In case none of the bidder complies the technical requirement, then re-tender will be done (with the same or different quantity, as per the instant requirement).
- J. It is responsibility of Bidders to upload legible/clearly readable scanned copy of all the required documents as mentioned above.

14. Abnormally High Rate (AHR) & Abnormally Low Rate (ALR) items:

PROVISIONS FOR DEALING WITH VARIATIONS IN RESPECT OF ABNORMALLY HIGH RATE AND ABNORMALLY LOW RATE ITEMS.

14.1 If the bid of the successful bidder is seriously unbalanced in relation to the company's estimate or justified cost of the work to be performed under the contract, the employer may require the bidder to produce detailed price analysis for any or all items of the bill of quantities, to demonstrate the internal consistency of those prices with the methods and scheduled proposed.

~~Work shall commence only after submission of Performance Security The abnormally high rate items are those whose quoted rates are more than 20% of the justified rates decided by the owner.~~

~~The abnormally low rate items are those whose quoted rates are less than 20% of the justified rates decided by the owner.—~~

~~In case of Item Rate Tenders, the revision of rates for (i) abnormally high rate items and (ii) abnormally low rate items, shall become operative under the following circumstances:—~~

~~For increase in quantity of more than 25% in respect of works executed below plinth level and 10% in respect of works executed above plinth level.~~

~~Quantity variation beyond the limit mentioned above shall be dealt by arriving at new rate based on prevalent market rate of materials and labour analyzed as per standard analysis of rate of CPWD/NBO. Payment of extra quantity over the permitted quantity as explained above would be made on the basis of the new analyzed rate.~~

~~The variation in quantity of abnormally low rate items for item rate tenders shall not be permitted below 25% for the items below plinth level and below 10% for the items above plinth level of the agreement schedule quantity, but in exceptional cases with written consent of Engineer-in-Charge arising out of technical necessity.~~

~~The above provisions shall be applicable for item rate tenders only and not applicable for percentage rate tenders for works based on standard schedule of rates of the company.~~

~~For the purpose of operation, the following works shall be treated as works related to foundation, unless otherwise defined in the contract:~~

~~a) For Buildings: All works up to 1.2 meters above ground level or up to floor 1 level whichever is lower.~~

~~b) For abutments, piers and well steining: All works up to 1.2m above the bed level.~~

~~c) For retaining walls, wing walls, compound walls, chimneys, overhead reservoirs / tanks and other elevated structures: all works up to 1.2 meters above the ground level.~~

~~d) For reservoirs / tanks (other than overhead reservoirs / tanks): All works up to 1.2 meters above the ground level.~~

~~e) For basement: all works up to 1.2m above ground level or up to floor 1 level whichever is lower.~~

~~f) For Roads, all items of excavation and filling including treatment of sub base.~~

15. One Bid per Bidder:

Each Bidder shall submit only one Bid, either individually, or as a partner in a partnership firm or a Public Limited / Private Limited Company or any legal entity. A Bidder who submits or participates in more than one Bid (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the bidders' participation to be disqualified.

16. Qualification of The Bidder:

16.1 In the event that pre-qualification of potential bidders has been undertaken, only bids from pre-qualified bidders will be considered for award of contract.

16.2 If the employer has not undertaken pre-qualification of potential bidders, all bidders shall fulfil the eligibility / qualifying criteria as detailed at Cl. No.8 & 9 of e-Tender Notice. Such details shall be submitted as deliberated at e-Tender Notice.

16.3 If the bidder is subsidiary of a company, the experience and resources of the holding company or its other subsidiaries will not be taken into account. However, if the bidder is a holding company, the experience and resources of its wholly owned subsidiaries will be taken into consideration.

16.4 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified:-

(i) if they have made misleading or false representations in the forms, statements and attachments submitted as proof of the qualification requirements.

Notes: The documents to be furnished by the bidder to prove that he is satisfying the qualification criteria laid down should all be in the bidder's name except in cases where though the name has changed, owners continued to remain the same and in cases of amalgamation of entities and when a holding company relies on credential of its wholly owned subsidiary.

17. Site Visit:

17.1 The bidder, at the Bidder's own responsibilities, cost and risk, is encouraged to visit and examine the Site of Works and its surrounding, approach road, soil condition, investigation report, existing works, if any, connected to the tendered work, drawings connected to the work, if / as available and obtain all information that may be necessary for preparing the Bid and entering into a contract for execution of the works. The cost of visiting the Site shall be at the Bidder's own expense.

17.2 It shall be deemed that the Bidder has visited the Site/Area and got fully acquainted with the working conditions and other prevalent conditions and fluctuations thereto whether he/she/they actually visits the Site /Area or not and has taken all the factors into account while quoting his/her/their rates.

17.3 The Bidder is expected, before quoting his rate, to go through the requirement of materials/workmanship, specification, requirements and conditions of contract.

17.4 The Bidder, in preparing the bid, shall rely on the site investigation report referred to in the bid document (if available), supplemented by any information available to the Bidder.

18. Taxes and Duties:

All duties, taxes (excluding Goods and Services Tax (GST) & GST Compensation Cess (if applicable) only) and other levies, royalty, building and construction workers cess (as applicable in States) payable by the bidder/Contractor under the Contract, or for any other cause as applicable on the last date of submission of Bid, shall be included in the rates, prices and the total Bid Price submitted by the Bidder. Applicable GST, if any, either payable by bidder or by company under reverse charge mechanism shall be computed by system in BOQ sheet as per predefined logic.

All investments, operating expenses, incidentals, overheads, leads, lifts, carriages, tools and plants etc. as may be attendant upon execution and completion of works shall also be included in the rates, prices and total Bid price submitted by the bidder.

However, such duties, taxes, levies etc. which is notified after the last date of submission of Bid and/or any increase over the rate existing on the last date of submission of Bid shall be reimbursed by the company on production of documentary evidence in support of payment actually made to the concerned authorities.

Similarly if there is any decrease in such duties, taxes and levies the same shall become recoverable from the contractor. The details of such duties, taxes and other levies along with rates shall be declared by the bidder.

The item wise rate quoted by bidder shall be inclusive of all taxes, duties & levies but excluding GST & GST Compensation Cess, if applicable. The payment of GST and GST Compensation Cess by service availer (i.e. CIL/Subsidiary) to bidder/contractor (if GST payable by bidder/contractor) would be made only on the latter submitting a Bill/invoice in accordance with the provision of relevant GST Act and the rules made there under and after online filing of valid return on GST portal. Payment of GST & GST Compensation Cess is responsibility of the service provider/contractor.

However, in case bidder/contractor is GST unregistered bidder/dealer or GST registered under composition scheme in compliance with GST rules, the bidder/dealer shall not charge any GST and/or GST Compensation Cess on the bill/invoice. In case of unregistered dealer/bidder, GST, if applicable will be deposited by CIL/Subsidiary directly to concerned authorities in terms with GST provisions.

Input tax credit is to be availed by CIL/Subsidiary as per rule.

If CIL/Subsidiary fails to claim Input Tax Credit(ITC) on eligible Inputs, input services and Capital Goods or the ITC claimed is disallowed due to failure on the part of supplier/vendor of goods and services in incorporating the tax invoice issued to CIL/Subsidiary in its relevant returns under GST, payment of CGST & SGST or IGST, GST (Compensation to State) Cess shown in tax invoice to the tax authorities, issue of proper tax invoice or any other reason whatsoever, the applicable taxes & cess paid based on such Tax invoice shall be recovered from the current bills or any other dues of the supplier/vendor along with interest, if any.

Note:

During the execution of the contract if the GST status of the bidder changes, then the payment of GST, if any, to the contractor will be made as per the GST status declared by the bidder during tender stage based on which cost to company has been ascertained or at actuals, whichever is lower.

The rates and prices quoted by the Bidder shall be fixed for the duration of the contract and shall not be subject to variations on any account except to the extent variations allowed as per the conditions of the contract of the bidding document.

The Company reserved the right to deduct / withheld any amount towards taxes, levies etc. and to deal with such amount in terms of the provisions of the Statute or in terms of the direction of any statutory authority and the Company shall only provide with certificate towards such deduction and shall not be responsible for any reason whatsoever.

In case of collection of minor minerals in area (both virgin and non-virgin), acquired by the company under the Coal Act, the contractor will have to produce a royalty clearance certificate from the District Authorities before full and final payment.

19. Recovery of any Claim from Vendor/Supplier:

In the event of recovery of any claim towards LD Charges, Penalty, fee, fine or any other charges from the supplier/vendor, the same will be recovered along with the applicable GST and the amount shall be adjusted with the payment to be made to the supplier/vendor against their bill/invoice or any other dues.

Further Security Deposit forfeited will be inclusive of GST.

20. Cost of Bidding:

The bidder shall bear all costs associated with the preparation and submission of his bid and the Employer will in no case be responsible or liable for those costs.

21. Technical Specification:

The tenderer shall closely study all specifications in detail, which govern the rates for which he is tendering.

22. Currencies of Bid and Payment:

The unit rates and prices shall be quoted by the Bidder entirely in Indian Rupees only.

23. Commencement of Work :

The contractor is asked to commence the work within 10(ten) days of issue of Letter of acceptance or after 7(seven) days of handing over of site whichever is later. In some cases, mostly in specialized contracts / high value (above Rs.5 Crores) work, the work is to be commenced after execution of contract agreement. In such cases provision of a time limit of 30 days from the issue of LOA for start of work should be made in the work-order itself. However, in the interest of work and also for saving time, the contractor may be allowed to start the work before execution of the agreement after the department issue a work order/tender acceptance letter to the contractor. Failure on the part of the contractor to furnish 'Performance Security' or to 'execute an agreement', within 30(thirty) days' time, allowed by the department after the acceptance of the tender, will be considered as just cause for the cancellation of the award and forfeiture of his earnest money.

However, the Date of Commencement may be decided with mutual consent with the Contractor on any date prior to the date as prescribed above.

24. Handing Over of Site:

On completion of the work all rubbish, debris, brick bats etc. shall be removed by the contractor at his/their own expense and the site cleaned and handed over to the company and he/they shall intimate officially of having completed the work as per contract.

25. Deployment of Manpower and Machineries:

The tenderer(s) will deploy sufficient number and size of equipment /machineries/vehicles and the technical/ supervisory personnel required for execution of the work.

26. Change in Constitution of the Contracting Agency:

Prior approval in writing of the company shall be obtained before any change is made in the constitution of the contracting agency, otherwise it will be treated as a breach of Contract.

27. Canvassing in Tender:

Canvassing in connection with the tenders in any shape or form is strictly prohibited and tenders submitted by such tenderers who resort to canvassing shall be liable for rejection.

28. Letter of Acceptance (LOA)/Work Order/Agreement:

"Letter of Acceptance"- is an acceptance of offer by the company. It shall be communicated electronically through e-procurement portal of CIL to the successful bidder and shall make the binding Contract with the Company.

29. Bid Validity:

The Bid Validity Period will be **120 (one hundred twenty) days** from the end date of bid submission. The validity period of tender shall be decided based on the final end date of submission of bids. In exceptional circumstances, prior to expiry of the original time limit, the Employer may request the bidders to extend the period of validity for a specified additional period. The employer's request and the bidder's responses shall be made in writing. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid. The tenderer shall not, during the said period or within the period extended by mutual consent, revoke or cancel his tender or alter the tender or any terms/conditions thereof without consent in writing of the company. In case the tenderer violates to abide by this, the Company will be the Company will be entitled to take action as per [Clause No.30](#) (Modification and Withdrawal of Bid) of NIT.

30. Modification and Withdrawal of Bid:

Modification of the submitted bid shall be allowed on-line only before the deadline of submission of tender and the bidder may modify and resubmit the bid on-line as many times as he/she/they may wish.

Bidders may withdraw their bids online within the end date of bid submission and their EMD will be refunded. However, if the bidder once withdraws his bid, he will not be able to resubmit the bid in that particular tender. For withdrawal of bid after the end date of bid submission, the bidder will have to make a request in writing to the Tender Inviting Authority. Withdrawal of bid may be allowed till issue of work order/LOA with the following provision of penal action:

1. The EMD will be forfeited and
2. The bidder will be debarred for *1(One)* year from participating in tenders in CMPDIL/Subsidiary.

The Price-bid of all eligible bidders including this bidder will be opened and action will follow as under:

- i). If the bidder withdrawing his bid is other than L 1, the tender process shall go on.
- ii). If the bidder withdrawing his bid is L-1, then re-tender will be done.

Penal action against clauses above will be enforced from the date of issue of such order. The EMD of bidder will be forfeited, and this bidder will be debarred for one year from participating in tenders in CIL/CMPDI

- iii) The standard operating procedure to handle withdrawal of bid after end date of submission is shall be as follows:

Standard Operative Procedure (SOP) for managing the cases of Withdrawal of Bids in e-Procurement System of CIL/Subsidiary

I. The Mode of Withdrawal:

A. Online Withdrawal of Bids:

- a. The system of online withdrawal is available on the portal up to end date of bid submission, where any bidder can withdraw his/her bid which will attract no penal action.
- b. The system of online withdrawal beyond end date of bid submission and till award of contract is not available. The bidder can withdraw their bid only offline, which may be considered except for some exceptional cases as mentioned in clause below, either with or without imposition of penalty.

B. Offline Withdrawal of Bids :

- a. A partner of bidder(in case of JV and partnership firms) whose DSC is registered on the e-Procurement portal can access the portal for online withdrawal but when there is a split in the business relationship, the partners whose DSC is not registered on the portal do not have the option of online withdrawal of bid. Hence such partners may opt to use offline

method of withdrawal of his/her offer (or express his disassociation from the bidder organization).

- b. Offline withdrawal of bid, beyond end date of bid submission and till award of contract, may be considered by the tender committee.

II. Acceptance of withdrawal by Tender Committee:

Every case of withdrawal under Clause I-(A)(b) and Clause I-(B) shall be put up to Tender Committee for deliberation and further course of action.

The decision of Tender Committee will be binding on the tenderer.

31. Performance Security:

31.1 Performance Security should be **3.00%** of contract amount and should be submitted within 21 days of issuance of LOA by the successful bidder in any of the form given below.

- A Bank Guarantee in the form given in the bid document from any Scheduled bank. The BG issued by outstation bank shall be operative at its local branch at or branch at.....

NOTE: Bank Guarantee against Performance Security shall be applicable if the amount of Performance Security exceeds Rs. 5.0 lakhs.

The Bank Guarantee shall be issued by a Scheduled Bank on **SFMS platform** and shall be irrevocable and unconditional. CMPDI shall have the powers to invoke it notwithstanding any dispute or difference between contractors and CMPDI pending before the court, tribunal, arbitrator or any other authority. The issuing Bank have to send the BG details through SFMS platform to our bank the details of which are as below:

Name of Bank: State Bank of India, [Information to be furnished as the case may be]

Branch:MORWA(03767),

IFSC: SBIN0003767,

A/c No: 10773219789,

Address: SBI Morwa,Singrauli, in front of Police Thana ,Morwa ,Dist-Singrauli(M.P)-486889

- Govt. Securities, FDR or any other form of deposit stipulated by the owner and duly pledged in favour of owner.
- Demand Draft drawn in favour of CMPDI Limited Regional Institute Singrauli on any Scheduled Bank payable at its Branch at Jayant/Nigahi/Dudhichua/Singrauli.

The Earnest Money/ Bid Security deposited shall be discharged when the Bidder has signed the Agreement and furnished the required Performance Security / 1st part of security deposit.

The bid security may be adjusted against the Performance security (1st part of security deposit) at bidder's option.

If performance security is provided by the successful bidder in the form of bank guarantee it shall be issued either-

- a. at Bidder's option by a Scheduled Bank , or
- b. by a foreign bank located in India and acceptable to the employer.

The validity of the Bank Guarantee shall be for a period of one year or ninety days beyond the period of contract /extended contract period (if any), whichever is more.

In case the successful bidder fails to submit the Performance Security and Additional Performance Security, if any, within the stipulated time then the award of work shall be cancelled with forfeiture of the bid security/earnest money.

Additionally, the company shall ban such defaulting contractor from participating in future tenders in concerned Subsidiary/CIL HQ for a period of minimum one year from the date of issue of such letter.

In case of JV/Partnership firm, the banning shall also be applicable to all individual partners of JV/Partnership firm.

31.2 *3.00% Performance Security will be refunded within 14 days of the issue of defect liability certificate (taking over certificate with a list of defects).*

32. Postponement of Scheduled Date(s):

The Company reserves the right to postpone the date of receipt and opening of tenders or to cancel the tenders without assigning any reason whatsoever.

33. Public Enterprises preference:

The Company reserves its right to allow Public Enterprises purchase preference facility as per prevalent policy.

For withdrawal of bid after the end date of bid submission, the bidder will have to make a request in writing to the Tender Inviting Authority. Withdrawal of bid may be allowed till issue of work order/LOA with the following provision of penal action.

34. Notification of Award and Signing of Agreement:

34.1 The Bidder, whose Bid has been accepted, will be notified /communicated by the Employer electronically online on the e-procurement portal of CIL prior to expiration of the Bid validity period. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called "the Contract Price").

The offline communication of LOA shall not be mandatory.

34.2 The notification of award (LOA/Work Order) will constitute the formation of the Contract.

The works should be completed as per period specified in the NIT from the Date of Commencement as defined in Clause 6.0 of General Terms and Condition.

34.3 The Agreement will incorporate all agreements between the Employer and the successful Bidder, work programme etc. within 30(thirty) days following the notification of award along with the letter of Acceptance and / or Work Order issued by department.

In case of failure to enter in to agreement within specified period or extended period on the written request of the bidder, if any, the department will take action as prescribed in Guidelines for Banning of Business along with forfeiture of Earnest Money. The bidder will also banning from participating in re-tender.

No payment for the work shall be made before execution of this agreement.

34.4 In the bidding process, the cause of rejection of Bid of any bidder shall be intimated to non-qualified bidder online and the Earnest Money shall be refunded to unsuccessful bidders as per

relevant clauses.

34.5 The contractor shall enter into and execute contract agreement in the prescribed form on non-judicial stamp paper in accordance with the relevant law of the State/Union of India. The cost of the stamp papers for the contract agreement shall be borne by the contractor. Two sets of contract document/agreements shall be prepared and signed by both the parties. One of the sets shall be stamped "Original" and the other "Duplicate". The duplicate copy and one additional copy will be supplied to the contractor free of cost and the original is to be retained by the company. For any additional copy, additional cost to be charged.

All additional copies should be certified by the Engineer-in-Charge.

The contractor shall keep copy of these documents on the site/place of work in proper manner so that these are available for inspection at all reasonable times by the Engineer-in-charge, his representatives or any other officials authorized by the company for the purpose.

The contract document shall not be used by the contractor for any purpose other than this contract and the contractor shall ensure that all persons employed for this contract strictly adhere to this and maintain secrecy, as required of such documents.

35. Sub-letting of Work:

No subletting of work as a whole by the contractor is permissible. Subletting of work in piece rated jobs is permissible with the prior approval of the department. The Contract Agreement will specify major items of supply or services for which the contractor proposes to engage sub-contractor/sub-vendor. The contractor may from time to time propose any addition or deletion from any such list and will submit proposals in this regard to the Engineer-in -Charge/Designated Officer-in-charge for approval well in advance so as not to impede the progress of work. Such approval of the Engineer-in-Charge/Designated Officer-in-Charge will not relieve the contractor from any of his obligations, duties and responsibilities under the contract.

36. Prohibition of Child Labour engagement:

The contractor/contractual Agencies must not engage any Child Labour during the course of execution of the contract work within the meaning and scope of the Child Labour Prohibition & Regulation Act-1986 and its relevant Act and Rules amended from time to time by the Govt. of India.

37. Compliance of Applicable Labour Laws:

The contractor shall abide by the rules & regulations of Labours Laws applicable in their case relating to weekly holidays, overtime allowance, leave with wages and compensatory holidays etc.

The contractor shall strictly implement all relevant provisions enumerated under Contract Labour (Regulation & Abolition) Act. 1970 and will submit all statutory documents and records as applicable to concerned authorities and shall take full responsibility for obtaining labour license from Central/State Authority as per the Act. He/she/they will also ensure timely submission of statutory returns as applicable in their case.

The contractor shall not pay less than the specified category of minimum wages to the labour engaged by him/her/them as per Minimum Wages Act, 1948 notified by the State Govt. or Central Govt. whichever is higher and as may be in force and the payment has to be released under the Payment of Wages Act 1936. In this matter the decision of the department shall be final and binding. The contractor shall provide benefits / facilities to its employees in accordance with the applicable laws to this locality ie Madhya Pradesh. CMPDI shall be kept completely indemnified against any liability and

consequences thereof. The contractor will be responsible to maintain records/documents pertaining to payment of wages to its workmen as desired by State/Central Govt. Laws including Payment of Wages Act, 1936, Equal Remuneration Act, 1976 & Payment of Bonus Act 1965.

The Contractor should maintain all records in Hindi or English as per the provision made in the various statutes including Contract Labour (Regulation & Abolition) Act, 1970 and the Contract Labour (Regulation & Abolition) Central Rules, 1971, Minimum Wages Act, 1948, Workmen Compensation Act, 1923, Employees State Insurance/Act, 1948 etc. and latest amendment thereof. Such records maintained by the contractor shall be open for inspection by the Engineer-in-charge or by the nominated representative of the Principal Employer.

The contractor will strictly regulate the terms of employment of his/her/their employees and manage the discipline as per Industrial Employment (standing orders) Act. 1946.

The contractor shall get himself registered under Employees Provident Funds/ Coal Mine Provident Fund, ESI and miscellaneous provisions registration no. or Code no. allotted for the specific establishment within reasonable time and submit the same to the employer, which are to be obtained before payment of 1st on a/c bill.

The contractor shall maintain records/document in compliance with the payment of bonus Act 1965.

The contractor shall be solely responsible for the payment of wages, including overtime wages to the workmen and ensure its timely payment thereof through Bank.

The Contractor shall abide the rules and regulations of Pradhan Mantri Suraksha Yojana.

The contractor or its workmen shall not at any point of time have any claim whatsoever against the CMPDI.

The contractor shall indemnify the CMPDI in so far as liability incurred by the CMPDI on account of any default by the contractor.

Neither the contractor nor his workmen can be treated as employees of the CMPDI for any purposes. They are not entitled for any claim, right, preference etc over any job/regular employment of the CMPDI.

If the contractor fails to discharge his duties or neglects to perform the work agreed to done under the agreement, the CMPDI is entitled to terminate this agreement as per clause and get the work done by / through other means and claim reimbursement of actual expenses incurred and also damages for the loss incurred on account of failure on the part of the contractor to discharge the duties or to perform the work under the agreement

The Contractor shall in addition to any indemnity provided by the relevant clauses of the agreement or by law, indemnify and keep indemnified, the CMPDI against all claims, damages or compensation under the provisions of Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employer's Liability Act, 1938, Workmen's' Compensation Act, 1923, Employees provident fund, Employees State Insurance or any modification thereof or any other law relating thereto and rules made there under from time to time, as may be applicable to the contract which may arise out of or in consonance of the construction or maintenance or performance of the work under the contract and also against costs, charges and expenses of any suit, action or proceedings arising out of any accident or injury or death.

38. Splitting up of the work:

The Company does not bind itself to accept the lowest tender and reserves the right to reject any or all the tenders without assigning any reasons whatsoever and to split up the work between two or more tenderer(s) or accept the tender in part and not in its entirety.

39. Settlement of Disputes:

It is incumbent upon the contractor to avoid litigation and disputes during the course of execution. However, if such disputes take place between the contractor and the department, effort shall be made first to settle the disputes at the company level.

The contractor should make request in writing to the Engineer-in-charge for settlement of such disputes/ claims within 30 (thirty) days of arising of the cause of dispute/ claim failing which no disputes/ claims of the contractor shall be entertained by the company.

Effort shall be made to resolve the dispute in two stages.

In first stage dispute shall be referred to GM / HoD of the concerned department for the tenders of HQ and to the Regional Director of the respective Regional Institute of CMPDIL for the tenders of RIs. If difference still persist the dispute shall be referred to a committee constituted by the owner. The committee shall have one member of the rank of Director of the company who shall be chairman of the committee.

If differences still persist, the settlement of the dispute shall be resolved in the following manner:

Disputes relating to the commercial contracts with Central Public Sector Enterprises / Govt. Departments (except Railways, Income Tax, Customs & Excise duties)/ State Public Sector Enterprises shall be referred by either party for Arbitration to the PMA (Permanent Machinery of Arbitration) in the department of Public Enterprises.

In case of parties other than Govt. Agencies, the redressal of the dispute may be sought through Arbitration (THE ARBITRATION AND CONCILIATION ACT, 1996 as amended by AMENDMENT ACT of 2015).

40. Settlement of Disputes through Arbitration:

If the parties fail to resolve the disputes/ differences by in house mechanism, then, depending on the position of the case, either the employer/ owner or the contractor shall give notice to other party to refer the matter to arbitration instead of directly approaching Court.

The contractor shall, however, be entitled to invoke arbitration clause only after exhausting the remedy available under the Clause 39.

- i. In case of parties other than Govt. agencies, the redressal of disputes/ differences shall be sought through Sole Arbitration as under.

Sole Arbitration:

"In the event of any question, dispute or difference arising under these terms & conditions or any condition contained in this contract or interpretation of the terms of, or in connection with this Contract (except as to any matter the decision of which is specially provided for by these conditions), the same shall be referred to the sole arbitration of a person, appointed to be the arbitrator by the Competent Authority of CIL / CMD of Subsidiary Company (as the case may be). The award of the arbitrator shall be final and binding on the parties of this Contract."

- a) In the event of the Arbitrator dying, neglecting or refusing to act or resigning or being unable to act for any reason, or his/her award being set aside by the court for any reason, it shall be lawful for the Competent Authority of CIL / CMD of Subsidiary Company (as the case may be) to appoint another arbitrator in place of the outgoing arbitrator in the manner aforesaid.
- b) It is further a term of this contract that no person other than the person appointed by the Competent Authority of CIL / CMD of Subsidiary Company (as the case may be) as aforesaid should act as arbitrator and that, if for any reason that is not possible, the matter is not to be referred to Arbitration at all.

Subject as aforesaid, the Arbitration and Conciliation Act, 1996 as amended by Amendment Act of 2015 and the rules there under and any statutory modification thereof for the time being in force shall be deemed to apply to the Arbitration proceedings under this clause.

The venue of arbitration shall be the place from which the contract is issued or such other place as the Competent Authority of CIL/ CMD of Subsidiary Company (as the case may be) at his discretion may determine.

Applicable Law: The contracts shall be interpreted in accordance with the laws of the Union of India.

Contracts with Partnership firm/ Joint Venture:

The Partnership firm/ Joint Venture is required to submit written consent of all the partners to above arbitration clause at the time of submission of bid.

- ii. In case of Govt. agencies, the redressal of disputes/ differences shall be sought through Sole Arbitration as under.

Sole Arbitration:

“In the event of any dispute or difference relating to the interpretation and application of the provisions of the commercial contract(s) between Central Public Sector Enterprises (CPSEs) / Port trusts inter-se and also between CPSEs and Government Departments / Organizations (excluding disputes concerning Railways, Income Tax, Custom & Excise Departments), such dispute or differences shall be taken up by either party for resolution through AMRCD (Administrative Mechanism for Resolution of CPSEs Disputes) as mentioned in DPE OM No. 4(1)/2013-DPE(GM)/FTS-1835 dtd. 22.05.2018”.

41. Legal Jurisdiction:

Matters relating to any dispute or difference arising out of this tender and subsequent contract awarded based on this tender shall be subject to the jurisdiction of District Court of the place, where the subject work is to be executed.

42. Drawing:

All relevant drawings regarding the subject work are available in the office of the HOD(Civil) /TE/ CMPDIL. The bidders who wish to see any other drawing not available in the tender document may do so in the office of the HOD(E&M) /TE / CMPDIL before the end date of Bid Submission. All the relevant drawings regarding the subject work available in the office of HOD(E&M) /TE /CMPDIL shall be a part of the Agreement of the subject.

NOTE : After getting the work, the contractor has to register his firm on Contract Labour Information Portal i.e CLIP (<https://www.coalindia.in> → Our People → CLIP) and thereafter update the detail of contractor's workers engaged by him on the said portal. The contractor will be liable to follow the guidelines and direction related to CLIP issued from time to time. This will be applicable apart from the provision of Contractor Labour (Regulation & Abolition) Act, 1970 and Rules, 1971 and also provisions of other labour laws.

- 43.** If the bid of the successful bidder is seriously unbalanced in relation to the estimate of the cost of work to be performed under the contract, the company may require the bidder to produce detailed price analysis for any or all items of the Bill of quantities to demonstrate the internal consistency of these prices with the construction method and the schedule proposed.

If, after evaluating the price analysis, the company determines that the bidder has substantially failed to demonstrate its capability to deliver the contract at the offered price, the company may reject the bid/ proposal or the company may require that the amount of the performance security/security deposit is increased at the expense of the successful bidder to a level sufficient to protect the company against financial loss in the event of default on the part of the successful bidder under the contract.

Justified price shall be finalized by the owner on the basis of prevalent market rate of materials and labour analysed as per standard analysis of rate of CPWD/ NBO, and shall be binding on the bidder.

Such additional performance security shall be applicable for percentage rate tenders also.

Additional performance security shall be furnished by bidder along with normal performance security as per Cl. No. 4 of GTC.

Additional performance security (APS) shall be furnished within 21 days of issuance of LOA by the successful bidder.

Failure to submit such additional performance security shall result into cancellation of the contract with forfeiture of earnest money.

Additionally, the company shall ban such defaulting contractor from participating in future tenders in concerned Subsidiary/CIL HQ for a period of minimum 1 (one) year from the date of issue of such letter*. In case of JV/Partnership firm, the banning shall also be applicable to all individual partners of JV/Partnership firm.

44. Employment of Labour:

- 44.1. Contractors are to employ, to the extent possible (as per policy decision of the company valid from time to time), local project affected people and pay wages not less than the minimum wages as per minimum Wages Act or such other legislations or award of the minimum wage fixed by respective State Govt. or Central Govt. as may be in force.

Payment of Provident Fund for the workmen employed by him for the work as per the Law prevailing under provision of CMPF/EPF and allied scheme valid from time to time shall be responsibility of the contractor.

The contractor needs to ensure that the employee has become a member of any of the provident fund as the case may be and the unique membership number of the CMPF/EPF or Allied Scheme needs to be submitted to Employer.

In addition to the above, the Contractor shall provide a copy of the updated passbook having entry made in the CMPF/EPF or Allied Scheme(s) of Provident fund as the case may be by the competent authority annually /as and when asked. Bidder shall also submit copies of statutory returns.

- 44.2. The bidder shall also comply with statutory requirements of various acts including CL(R&A) Act.

- 44.3. The contractor's workmen shall be paid through Bank.

- 44.4. The contractors shall register themselves on the Contract Labour Payment Management Portal (CLPMP) of CIL within 30 days of issue of work order and will have to enter and update periodically the following details in the portal:

- a. Work Order details
- b. Details of Contractor workers and payment of wages in respect of each Work Order each month.

- 44.5. All the contract workers shall be covered with the Bio-metric attendance system for payment of wages.

NOTE: In case company decides/ circulates separate wages for underground works / for works within mine premises, the same may be allowed based on appropriate circular. Clause 45.1 shall stand amended to this extent before notification of bid.

- ~~45. The contractor shall submit valid electrical license either in his name or of his authorized representative/supervisor [under whose supervision electrification work (internal and/or external) will be executed] issued by Electrical Licensing Board / Authority of the Indian State / UT, in accordance with Indian Electricity Rule before execution of electrical works, if any.~~

(Tender Inviting Authority)

**HOD(E&M) CMPDI,RI-6
Singrauli.**

SECTION – II

ANNEXURES

Format of “Letter of Bid” (for Works & Services Tenders)

LETTER OF BID

To,
The Tender Committee,
Central Mine Planning & Design Institute,
RI-VI, Jayant, Singrauli(MP)-486890.

Sub. : Letter of Bid for the work “-----”

Ref. : 1. NIT No.: “-----”

2. Tender Id No. : “-----”

Dear Sir,

This has reference to above referred bid. I/we have read and examined the conditions of contract, Scope of Work, technical specifications, BOQ and other documents carefully.

I /We am/are pleased to submit our bid for the above work. I/We hereby unconditionally accept the bid conditions and bid documents in its entirety for the above work and agree to abide by and fulfil all terms and conditions and specifications as contained in the bid document.

I/we here by submit all the documents as required to meet the eligibility criteria as per provision of the bid notice/document.

I/We hereby confirm that this bid complies with the Bid validity, Bid security and other documents as required by the Bidding documents.

If any information furnished by me/us towards eligibility criteria of this bid is found to be incorrect at any time, penal action as deemed fit may be taken against me/us for which I/We shall have no claim against CMPDIL.

Until a formal agreement is prepared and executed, this bid and your subsequent Letter of Acceptance/Work Order shall constitute a binding contract between us and Central Mine Planning and Design Institute, Ltd.

Should this bid be accepted, we agree to furnish Performance Security within 21 days of issue of letter of acceptance and commence the work within 10 days of issue of letter of acceptance. In case of our failure to abide by the said provision Central Mine Planning and Design Institute, Ltd shall, without prejudice to any other right or remedy, be at liberty to cancel the letter of acceptance/ award and to forfeit the Earnest Money and also debar us from participating in future tenders for a minimum period 12 months.

(This document is digitally signed by the DSC holder authorised by the bidder and therefore no physical signature is required)

PROFORMA for Undertaking to be submitted by Bidder/s (On Bidder's Letter Head) for Genuineness of the Information furnished on-line and authenticity of the Documents uploaded on-line in support of his Eligibility:

Format of UNDERTAKING

I / We Proprietor/Partner/Legal Attorney/ Director/
Accredited Representative of M/S., solemnly declare that:

1. I/ We am/ are submitting Bid for the work.....against NIT No/Tender ID..... Dated..... and I/ we offer to execute the work in accordance with all the terms, conditions and provisions of the bid.
2. I / Our Partners / Directors don't has/have any relative as employee of Central Mine Planning and Design Institute, Ltd, Singrauli.
3. All information furnished by us in respect of fulfillment of eligibility criteria and qualification information of this Bid is complete, correct and true.
4. All copy of documents, credentials and documents submitted along with this Bid are genuine, authentic, true and valid.
5. I/ We hereby authorize department to seek references / clarifications from our Bankers.
6. We hereby undertake that we shall register and obtain license from the competent authority under the contract labour (Regulation & Abolition Act) as relevant, if applicable.
7. I/ We hereby confirm that we have registration with CMPF / EPF Authorities. We shall make necessary payments as required under law.
8. * I/ We have not been banned or delisted by any Govt., or Quasi Govt. Agencies or PSUs (In case of JV, all partners are covered).

Or

* I / Wehave been banned by the organization named “_____” for a period of..... year/s, effective from to.....(in case of JV, name(s) of the JV Partner(s)).

9. If any information and document submitted is found to be false/ incorrect at any time, department may cancel my/our Bid and action as deemed fit may be taken against me/us, including termination of the contract, forfeiture of all dues including Earnest Money and banning/ delisting of our firm and all partners of the firm etc.
10. I/We,..... Proprietor/Partner/Legal Attorney/Director/ Accredited Representative of M/S....., solemnly declare that Myself/Our Partners/Directors don't has/have any work in washing of Coal as washery operator and/or Transportation of coal to washery in.....(Name of Area(s)) of.....(Name of CIL/Subsidiary).

[* Delete whichever is not applicable.]

Annexure-A3

Mandate Form for ELECTRONIC FUND TRANSFER / INTERNET BANKING PAYMENT.

To

**Central Mine Planning & Design Institute,
RI-VI, Jayant, Singrauli(MP)-486890.**

Sub: Authorization for release of payment due from Central Mine Planning & Design Institute Limited, RI-VI, Jayant, Singrauli (MP)-486890. through Electronic Fund transfer/ Internet Banking.

(SBI-NET)

Ref: Order No. _____ Date _____ and/or Tender/Enquiry/Letter No. _____ Date _____

(Please fill in the information in CAPITAL LETTERS, Please TICK wherever it is applicable).

1. Name of the Party : _____
2. Address of the Party : _____
City _____ PIN Code _____
3. E- Mail Id _____
4. Permanent Account Number _____

5. Particulars of Bank

Bank Name		Branch Name	
Branch Place		Branch City	
PIN Code		Branch Code	
MICR No.			
(9 Digits code number appearing on the MICR Band of the cheque supplied by the Bank. Please attach Xerox copy of a cheque of your bank for ensuring accuracy of the bank name, branch name and code number)			
RTGS CODE			
Account Type	Savings	Current	Cash Credit
Account Number (as appearing in the Cheque Book)			

4. Date from which the mandate should be effective: _____

I hereby declare that the particulars given above are correct and complete. If any transaction is delayed or not effected for reasons of incomplete or incorrect information. I shall not hold Central Mine Planning & Design Institute Limited responsible. I also undertake to advise any change in the particulars of my account to facilitate updation of records for purpose of credit of amount through SBI Net.

Place:

Date:

Signature of the party/Authorized Signatory.

Certified that the particulars furnished above are correct as per our records.

Banker's Stamp:

Date:

(Signature of the Authorized official from the Banks)

NON-BANNING OR DELISTING CERTIFICATE

Our firm has not been suspended, banned or de-listed by any Government or Quasi-Government agencies or PSU's.

Date:

Signature of the Bidder with seal of the firm

Bank Guarantee Proforma for PERFORMANCE SECURITY / GUARANTEE

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT)

**(TO BE ISSUED BY ANY NATIONALISED/ SCHEDULED BANK AUTHORISED BY RBI TO
ISSUE A BANK GUARANTEE)**

To,

**Central Mine Planning & Design Institute,
RI-VI, Jayant, Singrauli(MP)-486890.**

In consideration of the **Central Mine Planning & Design Institute Limited**, having its Registered office at **Gondwana Place, Kanke Road, Ranchi -834031** (hereinafter called to as the “Employer” which expression shall unless repugnant to the context or meaning thereof, include all successors, administrators and assigns) having awarded to _____ *[Name & Address of the Contractor]* (hereinafter called to as “Contractor” which expression shall unless repugnant to the context of meaning thereof include its successors, administrators, executors and assigns) the work _____ *[Name of the Work]* by issue of Letter of Award No. _____ *[Work Order/Letter of Intent No.]* and the same having been unequivocally accepted by the Contractor resulting into a Contract Agreement dated _____ valued at _____ *[value of Work Order]* (hereinafter called ‘the Contract’) and the Employer having agreed to accept Performance Bank Guarantee of ____ *[indicate figure]*% of the Contract Sum _____ *[amount in figures and words]* from a Nationalized/Scheduled Bank for due performance of the work executed by the Contractor as per the terms & conditions contained in the said Contract.

We, _____ *[name of the Bank]*, of _____ *[address of the Bank]* (hereinafter called to as “Bank” which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Employer immediately on demand and or, all money payable by the Contractor to the extent of _____ *[amount of guarantee in figures and words]*, at any time from _____ to _____ without any demur, reservation, recourse, contest or protest and/or without any reference to the Contractor. Any such demand made by the Employer on the Bank shall be conclusive and binding notwithstanding any difference between the Employer and the Contractor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. We agree that the Guarantee herein contained shall be irrecoverable and shall continue to be enforceable as per the terms & conditions contained in the said Contract.

The Employer shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee, from time to time, to extend the validity of time of Performance of the Contract by the Contractor. The Employer shall have the fullest liberty without affecting this Guarantee, to postpone, from time to time, the exercise of any powers vested in them or of any right which they might have against the Contractor, and to exercise the same at any time in any manner, and either to enforce or to forebear or to enforce any covenants contained or implied in the Contract, between the Employer and the Contractor or any other course or remedy or security available to the Employer. The Bank shall not be released of its obligations under these presents by any exercise by the Employer of its liberty with reference to matter aforesaid or any of them or by reason of any other act of forbearance or other acts of omission or commission on the part of the Employer or any

other indulgence shown by the Employer or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the Bank. The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor in first instance, without proceeding against the Contractor and notwithstanding any security or other Guarantee that the Employer may have in relation to the Contractor's liabilities.

Dated this _____ day of _____ at _____

For and on behalf of the Bank.

Signature _____

Name _____

Designation _____

Common Seal of Bank _____

Proforma for EXECUTION OF AGREEMENT.

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT)

This agreement is made on day of between (Name of Company) having its registered office at (hereinafter called the 'COMPANY' which expression shall, unless repugnant to the subject or context, include its successors and assignees) of the one part and (Name of the Contractor) carrying on business as a (partnership/ proprietorship/ Ltd. Co. etc.) firm under the name and style (Hereinafter called the 'said Contractor' which expression shall, unless the context requires otherwise include them and their respective heirs, executors, administrators and legal representatives) of the other part.

Whereas the Company invited tenders for the work of "....." and whereas the said Contractor/Firm submitted tender for the said work and deposited a sum of ₹..... as Earnest Money and whereas the tender of the said contract has been accepted by the Company for execution of the said work.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1) In this agreement words and expressions shall have the same meaning as are respectively assigned to them in the tender papers hereinafter referred to.
- 2) The following documents which are annexure to this agreement should be deemed to form and be read and construed as part of this agreement viz.
 - ii) Annexure-A: Tender Notice (Page ... to ...)
 - iii) Schedule–A: General terms & conditions. (Page ... to ...)
 - iv) Schedule-B: The probable Quantities and Amount (Page ...to ...)
 - v) Schedule-C: Negotiation letters
 - vi) Schedule-D: Letter of Acceptance/Work Order (Page ... to ...)
 - vii) Schedule-E: Drawings (Page ... to ...)
- 3) In consideration for the payment of the sum of Rs.....(W/O Value; both in words and figures) or such other sum as may be arrived at under the clause of the specification relating to Payment by items measurements at unit prices by the Company, the said Contractor shall, subject to the terms & condition contained herein execute and complete the work as described and to the extent of probable quantities as indicated in Schedule B with such variations by way of alteration, addition to or reduction from the said works.
- 4) The company has converted a sum of Rs. only, from the amount of Rs. deposited by the said contractor as Earnest Money, into 'Initial Security Deposit' of 1% of the awarded work value. The excess/balance amount of earnest money shall be adjusted in the RA Bill(s).
- 5) The said contractor hereby covenants with the company that the Company shall retain a sum of Rs. or such sum as may be arrived at based on the executed value of the work, as security deposit for the fulfilment of the contract to the satisfaction of the Company.

IN WITNESS WHEREOF THE parties herein have set their hands and seals the date and year above written.

1 Partner.

Signature

2 Partner

Signature

On behalf of M/s.....The Contractor, as one of the
constituted attorney, In the presence of –

1. Name _____ Address:

Signature

Occupation:_____

Signed byon behalf of (Name of Company) in presence of -

Signature

1. Name:

Address:

Signature

On Bidders Letter Head

Declaration for MSE bidders participating in tender

Name of Firm	:	
Category of Service registered in MSEs	:	
MSE Registration No.	:	
MSE registered in Name of Women (if any)	:	
MSE registered in Name of SC /ST (if any)	:	

Signature:

Date:

Name:

Designation:

Seal:

Bid Securing Declaration

(On the letter head of Bidder)

I / We Proprietor/Partner/Legal Attorney/ Director/
Accredited Representative of M/S., solemnly accept that if
we, withdraw or modify our bids during the period of validity, or if we are awarded the contract and
fail to sign the contract, or to submit a performance security before the deadline or any other default
which attracts forfeiture of EMD as defined in the request for bids documents than we will be banned
for two years from being eligible to submit bids in CIL and its subsidiaries.

Signature :

Name :

Designation :

Date:..... Name of Firm :

Place:..... Seal :

SECTION - III

**GENERAL TERMS AND CONDITIONS,
ADDITIONAL TERMS AND CONDITIONS,
SAFETY CODE,
TECHNICAL SPECIFICATIONS,
COMPLIANCE OF LABOUR LAWS.**

GENERAL TERMS AND CONDITIONS

1 DEFINITIONS:

- i. The word "Company" or "Employer" or "Owner" or "CMPDI" wherever occurs in the conditions, means the Central Mine Planning & Design Limited, represented at the headquarters of the Company by the Chairman-cum-Managing Director or his authorized representative or any other officer specially deputed for the purpose.
- ii. The word "Contractor" wherever occurs means the successful Bidder who has deposited the necessary Earnest Money and has been given written intimation about the acceptance of tender and shall include legal representative of such individual or persons composing a firm or a company or the successors and permitted assignees of such individual, firm or company, as the case may be and any constitutional, or otherwise change of which shall have prior approval of the employer.
- iii. "The Site" TOWNSHIP OF RI VI, CMPDI Jayant, Singrauli"
- iv. The term "subcontractor", as employed herein, includes those having a direct contract with contractor either on piece rate, items rate, time rate or on any other basis and it includes one who furnishes work to a special design according to the plans or specifications of this work but does not include one who merely supplied materials.
- v. 'Accepting Authority' shall mean the management of the Company and includes an authorized representative of the Company or any other person or body of persons empowered in this behalf by the Company.
- vi. A 'Day' shall mean a day of 24 hours from midnight to midnight.
- vii. Engineer-in-charge" (EIC) shall mean the officer nominated by the company who is competent to direct supervisors and authorised to be in charge of the works for the purpose of this contract. The Engineer-in-Charge /Designated Officer in Charge, who is of an appropriate seniority, will be responsible for supervising and administering the contract, certifying payments due to the contractor, valuing variations to the contract, awarding extension of time and valuing compensation events. The Engineer-in-Charge /Designated Officer in Charge may further appoint his representatives i.e. another person/Project Manager or any other competent person and notify to the contractor who is directly responsible for supervising the work being executed at the site, on his behalf under their Delegation of Powers of the company. However, overall responsibility, as far as the contract is concerned, will be that of the Engineer-in-Charge/Designated Officer in Charge.
- viii. The "Contract" shall mean the notice inviting tender, the tender as accepted by the Company, the work order issued to the contractor, and the formal contract agreement executed between the company and the contractor together with the documents referred to therein including general terms and conditions, special conditions, if any, scope of work, frozen terms & conditions/technical parameters/scope of work and revised offer, if any, specifications, drawings, including those to be submitted during progress of work, schedule of quantities with rates and amounts
- ix. The 'Contract' shall mean the Notice Inviting Tender, the tender as accepted by the Company and the formal Agreement executed between the Company and the Contractor together with the documents referred to therein including General Terms and Conditions, Special Conditions, if any
- x. 'Written Notice' shall mean a notice or communication in writing and shall be deemed to have been duly served if delivered in person to the individual or to a member of the firm or to an office of the Corporation/Company for whom it is intended, or if delivered at or sent by registered mail to the last business address known to him who gives the notice.

- xi. "Codes" shall mean the following, including the latest amendments, and/or replacements, if any:
- (a) Bureau of Indian Standards relevant to the works under the contract and their specifications.
 - (b) Indian Electricity Act and Rules and Regulations made thereunder.
 - (c) Indian Explosive Act and Rules and Regulations made thereunder.
 - (d) Indian Petroleum Act and Rules and Regulations made thereunder.
 - (e) Indian Mines Act and Rules and Regulations made thereunder.
 - (f) Any other Act, rule and regulations applicable for employment of labour, safety provisions, payment of provident fund and compensation, insurance etc.

2 CONTRACT DOCUMENTS:

The following documents shall constitute the contract documents:

- (i) Articles of Agreement,
- (ii) Notice Inviting Tender,
- (iii) Conditions of contract, including General Terms and Conditions, Special Conditions, etc. forming part of the Agreement,
- (v) Nature, Volume & Scope of maintenance work at office and Residential colony of CMPDIRI-6, at Singrauli:
- (vi) Scope of work Nature, Volume and works/Bills of quantities

- 2.1 None of these documents shall be used by the Contractor for any purpose other than this contract and the Contractor shall ensure that all persons employed for this contract strictly adhere to this and maintain secrecy, as required of such documents.
- 2.2 Matter relating to any dispute or difference arising out of this tender and subsequent contract awarded based on the Bid shall be subject to the jurisdiction of Dist court ,Waidhan ,Singrauli (M.P) only.

3 DISCREPANCIES AND ADJUSTMENTS THEREOF

The documents forming part of the contract are to be treated as mutually explanatory of one another and in case of discrepancy between schedules of works the following order of preference shall be observed:

- a. Description in schedule of quantities
- b. Particular specification and special conditions, if any
- c. Work Programme / Agreement

- 3.1 In the event of varying or conflicting provisions made in any of the document/documents forming part of the contract, the Accepting Authority's decision/clarification shall hold good with regard to the intention of the document or contract, as the case may be.
- 3.2 Any error in description, quantity or rate in schedule of quantities or any omission therefrom, shall not vitiate the contract or release the Contractor from discharging his obligations under the contract including execution of work according to the drawings and specifications forming part of the particular contract document

4 SECURITY DEPOSIT

- 4.1 Security Deposit shall consist of two parts;
- a) Performance Security to be submitted at award of work.

b) Retention Money to be recovered from running bills i.e 5% of final bill.

The security deposit shall bear no interest.

4.2 Performance Security (First part) shall be 3% of contract amount and should be submitted within 21 days of receipt of LOA by the successful Bidder in any of the form given below:

- A Bank Guarantee in the form given in the bid document from any Scheduled bank. The BG issued by outstation bank shall be operative at its local branch at Singrauli. or branch at Singrauli..
- Govt. Securities, FDR or any other form of deposit stipulated by the owner
- Demand Draft drawn in favour of Central Mine Planning & Design Institute, Regional Institute -6 on any Scheduled Bank payable at its Branch at Singrauli.

The Earnest Money/ Bid Security deposited in the form of Bank Guarantee shall be discharged when the Bidder has signed the Agreement and furnished the required Performance Security / 1st part of security deposit.

4.3 If performance security is provided by the successful Bidder in the form of bank guarantee it shall be issued either -

- (a) at Bidder's option by a nationalized/Scheduled Indian Bank or
- (b) by a foreign bank located in India and acceptable to the employer.
- (c) the validity of the Bank Guarantee shall be for a period of one year or ninety days beyond the period of contract or extended period of contract (if any), whichever is more.

4.4 Failure of the successful Bidder to comply with the requirement as above shall constitute sufficient ground for cancellation of the award of work and forfeiture of the Bid security.

4.5 In addition to the above penal measures, the bidder will not be allowed to participate in the re-tendering process. The bidder may also be debarred from participating in future tenders in the subsidiary for a minimum period of 12 Months.

4.6 Refund of security deposit - The refund of security deposit shall be subject to company's right to deduct/appropriate its dues against the contractor under this contract or under any other contract. On completion of the entire work and certified as such by EIC.

4.7 3.00% Performance Security should be refunded within 14 days of the issue of defect liability certificate (taking over certificate with a list of defects).

4.8 All running on account bills shall be paid at 95% (ninety five percent) of work value. The balance 5% shall be treated as retention money and will be second part of security deposit.

4.9 Retention Money should be refunded after issue of No Defect Certificate.

4.10 **REFUND OF SECURITY DEPOSIT:**

The refund of security deposit shall be subject to company's right to deduct/ appropriate its due against the contractor under this contract or under any other contract.

On completion of the entire work and issue of defect liability certificate (taking over certificate with a list of defects) by the Engineer-in-charge, **Performance Security Deposit (3.00% of contract amount) i.e 1st part of the security deposit.**

(Performance Security) shall be refunded as elaborated at Cl. No.4.7.

Retention Money shall be refunded to the contractor after issue of No Defect Certificate by the Engineer-in-Charge on the expiry of Defect Liability Period of sixty months, subject to the following conditions:

a) Any defect/defects in the work, if detected after issue of defect liability certificate (Taking over certificate with list of defects) is/are rectified to the satisfaction of the Engineer-in-Charge within the said defect liability period of sixty months or on its due extension till completion of the rectification works as required.

b) In the case of building work or other work of similar nature, the refund shall be made on the expiry of the said sixty months period or at the end of one full monsoon period i.e. June to September, whichever is later in point of time and any defects such as leakages in roof, effloresces in walls, dampness, defects in drainage etc. should be rectified to the satisfaction of Engineer-in-Charge.

4.11 Additional performance security: (applicable for item rate as well as percentage rate tenders):

If the bid of the successful bidder is seriously unbalanced in relation to the company's estimate / justified cost of the work to be performed under the contract, the employer may require the bidder to produce detailed price analysis for any or all items of the bill of quantities, to demonstrate the internal consistency of those prices with the methods and scheduled proposed.

Work shall commence only after submission of Performance Security

~~Additional performance security shall be applicable if the bid price is below 15% of the justified price, finalized by the owner. The amount of such additional performance security shall be the difference between 85% of the owner's justified price and quoted price.~~

Justified price shall be finalized by the owner on the basis of prevalent market rate of materials and labour analyzed as per standard analysis of rate of CPWD/ NBO, and shall be binding on the bidder.

~~Additional performance security shall be furnished by bidder along with normal performance security.~~

~~Failure to submit such additional performance security may result into termination of the contract.~~

~~This additional performance security will not carry any interest and shall be released in the following manner:~~

- ~~i) 30% of Additional performance security will be released after 60% of the total work is completed.~~
- ~~ii) 50% of Additional performance security will be released after 80% of the total work is completed.~~
- ~~iii) 100% of Additional performance security will be released after total work is completed.~~

~~Additional Performance Security shall be in accordance with the NIT and should be submitted within 28 days of issuance of LOA by the successful bidder in any of the form given below:-~~

- ~~• A Bank Guarantee in the form given in the bid document: The BG shall be issued by a Scheduled Bank/ Nationalised Bank on SFMS platform and shall be irrevocable and unconditional. CMPDI shall have the powers to invoke it notwithstanding any dispute or difference between contractors and CMPDI pending before the court, tribunal, arbitrator or any other authority. The Issuing Bank have to send the BG details through SFMS platform to our bank the details of which are as below :-~~

~~Name of Bank: State Bank of India, Branch: MORWA(03767),~~

~~IFSC: SBIN0003767,~~

~~A/c No: 10773219789,~~

~~• Address: SBI Morwa, Singrauli, in front of Police Thana, Morwa, Dist Singrauli(M.P) 486889~~

~~• Govt. Securities, FDR or any other form of deposit stipulated by the owner and duly pledged in favour of owner.~~

~~• Demand Draft drawn in favour of CMPDIL Regional Institute VI, Singrauli on any Scheduled Bank payable at its Branch at Singrauli.~~

~~If additional performance security is provided by the successful bidder in the form of bank guarantee it shall be issued either—~~

~~(a) at Bidder's option by a Scheduled Bank, or~~

~~(b) by a foreign bank located in India and acceptable to the employer.~~

~~The validity of the Bank Guarantee shall be for a period of one year or ninety days beyond the period of contract /extended contract period (if any), whichever is more.~~

~~If security deposit is submitted in the form of bank guarantee, the original instrument thereof shall be retained by CMPDI after its relinquishment/absolution and returned only against specific request.~~

~~Failure of successful bidder to comply with the requirement as above shall constitute sufficient ground for cancellation of the award of work and forfeiture of the Bid Security~~

5 TIME FOR COMPLETION OF CONTRACT - EXTENSION THEREOF, DEFAULTS & COMPENSATION FOR DEL AY

- 5.1 If the Contractor, without reasonable cause or valid reason, commits default in commencing the execution of the work within the aforesaid date, the Company shall, without prejudice to any other right or remedy, be at liberty, by giving 15 days' notice in writing to the contractor to commence the work, failing which to forfeit the Earnest Money deposited by him.

Additionally, the Company will reserve the right to debar such defaulting Contractors from participating in future Tenders for minimum period of one year.

- 5.2 If the Contractor fails to maintain the required progress in terms of the agreed time to complete the work as per Tender Specification Document (TSD) and clear the site on or before the date of completion of contract or extended date of completion, he shall without prejudice to any other right or remedy available under the law to the Company on account of such breach, pay as compensation/ Liquidated Damages @ half percent (1/2%) of the contract price per week of delay. The aggregate of such compensation/ compensations shall not exceed 10 (ten) percent of the total value as shown in the contract.

- 5.3 The company, if not satisfied with the progress of the contract and in the event of failure of the contractor to recoup the delays in the mutually agreed time frame, shall be entitled to terminate the contract.

- 5.4 In the event of such termination of the contract as described in clauses 5.3 or both, the company, shall be entitled to recover L.D. up to ten percent (10%) of the contract value and forfeit the security deposit made by the contractor besides getting the work completed by other means at the risk and cost of the contractor.

The defaulter i.e. the Contractor who don't commence the work after issue of LOA shall not be allowed to participate in the retender for the same work.

5.5 FORCE MAJEURE:

- 5.5.1 Force majeure is herein defined as any cause which is beyond the control of the Contractor or the Owner as the case may be which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as:

- (a) natural phenomena, including but not limited to floods, draughts, earthquakes and epidemics:
- (b) acts of any government, including but not limited to war, declared or undeclared, priorities, quarantines, embargoes,

Provided either party shall within fifteen (15) days from the occurrence of such a cause notify the other in writing of such causes.

- 5.5.2 (a) The successful bidder / contractor will advise, in the event of his having resort to this clause by a registered letter duly certified by the local chamber of commerce or statutory authorities, the beginning

and end of the clause of delay, within fifteen days of the occurrence and cessation of such Force Majeure condition . In the event of delay lasting over two months, if arising out of Force Majeure, the contract may be terminated at the discretion of the Company.

- (b) For delays arising out of Force Majeure, the successful bidder/ contractor will not claim extension in completion date for a period exceeding the period of delay attributable to the causes of Force Majeure and neither Company nor the bidder shall be liable to pay extra costs (like increase in rates, re-mobilization advance, idle charges for labour and machinery etc.) Provided it is mutually established that the Force Majeure conditions did actually exist.
- (c) If any of the Force Majeure conditions exists in the place of operation of the bidder even at the time of submission of bid he will categorically specify them in his bid and state whether they have been taken into consideration in their quotations.

5.5.3 The Contractor or the Owner shall not be liable for delays in performing his obligations resulting from any force majeure cause as referred to and/or defined above. The date of completion will, subject to hereinafter provided, be extended by a reasonable time even though such cause may occur after contractor's performance of his obligations has been delayed for other causes.

6. QUALITY ASSURANCE - WORKMANSHIP:

- 6.1 The Contractor shall carry out and complete the work in every respect in accordance with the contract and shall ensure that the work conforms strictly to the instruction of EIC. The EIC may issue time to time instructions/directions in writing to the Contractor. All such drawings, instructions/directions to contractor.
- 6.2 The Contractor shall be responsible for correct and complete execution of the work in a workmanlike manner with right equipment's as per required specification.

All work under execution in pursuance of the contract shall be open to inspection and supervision by the EIC or any other official of higher rank or any other person authorized by the Company in this behalf and the Contractor shall allow the same.

7. MEASUREMENT AND PAYMENT:

- 7.1 **Payment on Account** - The Contractor shall submit monthly bill for the work carried out in accordance with the contract. The Engineer-in-Charge shall then arrange for verification of the bill with reference to the measurements taken or to be taken or any other records relevant for the purpose. The payment will become due and payable by CMPDI within 30 days from the date of receipt of bill/invoice/ debit note by CMPDI.
- 7.2 Payment on account shall be made on the Engineer-in-Charge certifying the quantity for which the contractor is considered entitled by way of interim payment for the work executed as covered by the bill after deducting the amount already paid, the security deposit and such other amounts as may be deductible or recoverable in terms of the contract.
- 7.3 Amount payable/repayable for any subsequent change in the statutory tax and duties on Works Contract will be made to/from the Contractor after departmental verification of such changes of tax law issued by Statutory Authority.
- 7.4 In the event of recovery of any claim towards LD charges penalty, fee, fine or any other charges (Except EMD) from the supplier/vendor, the same will be recovered along with the applicable GST and the amount shall be adjusted with the payment to be made to the supplier/vendor against their bill/invoice or any other dues

8 Removal of Improper Work and Materials:

- i) The Engineer-in-charge shall during the progress of the works have power to order in writing from time to time:

a) The removal from the site, of any materials which in the opinion of Engineer-in-charge, are not in accordance with the contract/ work order/ approved sample. b) The substitution with proper and suitable materials.

c) The removal and proper re-execution, notwithstanding any previous test thereof or interim payment therefrom, of any work which in respect of materials or workmanship is not in accordance with the contract.

ii) In case of default on the part of the contractor in carrying out such order, the Engineer-in-charge shall be entitled to employ and pay other agency to carry out the same and all expenses consequent thereon shall be recoverable from the contractor or may be deducted from any amount due or which may become due to the contractor.

9 Devaluation of Work : In lieu of rejecting work done or materials supplied not in conformity with the contract/work order/approved samples, the Engineer-in-charge or any other officer nominated by the company for the purpose may allow such work or materials to remain, provided the Engineer-in-Charge/the officer nominated by the company is satisfied with the quality of any materials, or the strength and structural safety of the work, and in that case shall make such deduction for the difference in value, as in his opinion may be reasonable.

10 Final Inspection of Work: The Engineer-in-charge and any other officer nominated by the company for the purpose shall make final inspection of all work included in the contract/work order, or any portion thereof, or any completed structure forming part of the work of the contract, as soon as practicable after notification by the contractor that the work is completed and ready for acceptance. If the work is not acceptable to the Engineer-in-charge at the time of such inspection, he shall inform the contractor in writing as to the particular defects to be remedied before final acceptance can be made.

11 Defects appearing after acceptance: Any defects which may appear within the defect liability period and arising, in the opinion of the Engineer-in-charge, from lack of conformance with the drawings and specifications, shall, if so required by the Engineer-in-charge in writing, be remedied by the contractor at his own cost within the time stipulated by the Engineer-in-charge. If the contractor fails to comply, the Engineer-in-charge may employ other persons to remedy the defects and recover the cost thereof from the dues of the contractor.

12 Site Order Book: A Site Order Book is a Register duly certified by the Engineer-in charge regarding number of pages it contains, each page being numbered, name of work, name of contractor, reference of contract/work order and the aforesaid certificate should be recorded on its first page.

Site Order Books shall be maintained on the sites of works and should never be removed therefrom under any circumstances. It shall be the property of the company. The Engineer-in-Charge or his authorized representative shall duly record his observations regarding any work which needs action on the part of the contractor like, improvement in the quality of work, failure to adhere to the scheduled programme etc. as per contract/work order. The contractor shall promptly sign the site order book and note the orders given therein by the EIC or his representative and comply with them. The compliance shall be reported by the contractor in writing to EIC in time so that it can be checked.

The Site Order Book will be consulted by the Engineer-in-Charge at the time of making both running on account and final bills of the contractor. A certificate to this effect should be given in the Measurement books by the Engineer-in-Charge or his representative

13. Samples and Testing of Materials: All the materials to be procured by the contractor and to be used in work shall be approved by the Engineer-in-Charge in advance, and shall pass the tests and analysis required by him, which will be as specified in the specifications of the items concerned and or as specified by BIS or the IRC / MORTH standard specifications acceptable to the Engineer-in-Charge. The method of sampling and testing shall be as per the relevant BIS, IRC/ MORTH and other relevant standards and practices. Minor

minerals like sand, stone chips etc. shall be conforming to relevant BIS standards. All bought out items including Cement and Steel shall be procured from such manufacturers who hold valid license conforming to relevant BIS standards for manufacturing of such items.

- 14. Storage of Materials:** Materials shall be so stored as to ensure the preservation of the quality and fitness for the work. When considered necessary by the Engineer-in-charge, they shall be placed on wooden platforms or other hard, clean surfaces and not directly on the ground.

Materials shall be placed under cover when so directed and the contractor shall erect and maintain at his own cost temporary weather-proof sheds at the work site for the purpose. Stored materials shall be so located as to facilitate prompt inspection. All stored materials shall be inspected at the time of use in the work, even though they may have been inspected and approved before being placed in storage or during storage

- 15 Defective Materials:** All materials not conforming to the requirements of the specifications shall be considered as defective, and all such materials, whether in place or not shall be rejected. They shall be removed immediately by the contractor at his expenses and replaced with acceptable material.

No rejected material, the defects of which have been subsequently corrected, shall be used on the work until approval in writing has been given by the Engineer-in-Charge. Upon failure on the part of the contractor to comply with any instruction of the Engineer-in-charge made under the provisions of this article within the time stipulated by the Engineer-in-charge, the Engineer-in-charge shall have authority to remove and replace defective material and recover the cost of removal and replacement from the contractor.

Further all such defective material lying at site not removed and replaced within 30 days after issue of notice by the Engineer-in-charge, if the Engineer-in-charge so decides shall dispose off such material in any manner without any further written notice to the contractor.

16 Measurement and Payments

Except where any general or detailed description of the work in the Bill of Quantities or specifications of the contract/ work order provides otherwise, measurement of work done shall be taken in accordance with the relevant standard method of measurement published by the Bureau of Indian Standards (BIS) and if not covered by the above, other relevant Standards/practices shall be followed as per instructions of the Engineer-in-Charge.

- 16.1** All items of work carried out by the contractor in accordance with the provision of the contract having a financial value shall be entered in the Measurement Book as prescribed by the company so that a complete record of the measurements is available for all the works executed under the contract and the value of the work executed can be ascertained and determined there from. Measurements of completed work / portion of completed work shall be recorded only in the Measurement Books.

- 16.2** Measurement shall be taken jointly by the Engineer-in-Charge or his authorized representative and by the contractor or his authorized representative.

- 16.3** Before taking measurements of any work, the Engineer-in-Charge or the person deputed by him for the purpose shall intimate the contractor to attend or to send his representative to attend the measurement. Every measurement thus taken shall be signed and dated by both the parties on the site on completion of the measurement. If the contractor objects to any measurements, a note to that effect shall be made in the Measurement Book / Log Book and signed and dated by both the parties.

- 16.4** The measurement of the portion of work/items of work objected to, shall be re-measured by the

Engineer-in-Charge himself or the authority nominated by the company for the purpose in the presence of the contractor or his authorized representative and recorded in the M.B. which shall be signed and dated by both the parties. Measurements so recorded shall be final and binding upon the contractor and no claim whatsoever shall thereafter be entertained.

In case the contractor or his authorized representative does not attend to the joint measurements at the prefixed date and time after due notice, the measurements taken by the Engineer-in-Charge or his representative shall be final and binding on the contractor.

Measurement of the extra items of work or excess quantities of work duly authorized in writing by the Engineer-in-Charge shall also be taken and recorded in the M.B. based on the existing items in the SOR of the company and if such items do not exist in the company's SOR, the description of the work shall be as per actual execution. Payment for such extra items will be based on the rates to be derived as described in the relevant clauses of the contract/ work-order.

- 16.5** No work shall be covered up or put out of view without the approval by the Engineer-in-Charge and recording of measurements and check measurement thereof duly accepted by the contractor. The contractor shall provide full opportunity to the Engineer-in-Charge or his representative to examine and measure all works to be covered up and to examine the foundations before covering up.

The contractor shall also give notice to Engineer-in-Charge whenever such works or foundations are ready for examination and the Engineer-in-Charge shall without unreasonable delay arrange to inspect and to record the measurements, if the work is acceptable and advise the contractor regarding covering of such works or foundations.

- 16.6** In case of items which are claimed by the contractor but are not admissible according to the department, measurements of such items, will be taken for record purposes only and without prejudice so that in case it is subsequently decided by the department to admit the contractor's claims, there should be no difficulty in determining the quantities of such work. A suitable remark should, however, be made against such measurements to guard against payment in the ordinary way.

- 16.7 Payments:** The running on account payments may be made once in a month or at intervals stipulated in the work order/ contract agreement.

- 16.7.01** Running on account bill/bills for the work executed/ materials supplied in accordance with the work order/ contract shall be prepared on the basis of detailed measurements recorded as described hereinbefore and processed for payments.

- 16.7.02** Payment of on account bill shall be made on the Engineer-in-Charge's certifying the sum to which the contractor is considered entitled by way of interim payment for the following:

a) The work executed as covered by the bill/bills after deducting the amount already paid, the security deposit and such other amounts as may be deductible or recoverable in terms of the work order/ contract.

b)(i) Payment for excess quantity of work done with the written instructions of the Engineer-in-Charge for items already appearing in the bill of quantities of work with approved rates, will be made along with the on account bills only up to 10% of the quantity provided in the agreement subject to overall value of work not exceeding the agreement value.

(ii) The GM (E&M) of the company and / or the Staff Officer (E&M) of the Area may authorize interim payment for excess work done up to 20 % of the quantity of work provided in the Bill of Quantity of the work awarded from Company level and Area level respectively subject to overall value of work done does not exceed the contract value. This however, shall not be applicable for High Value Items.

c) Extra items of work executed will be paid on specific written authorization of GM (E&M) of the company or Staff Officer (E&M) of the Area provided that the value of such extra items of work when added together is not more than 10% of the contract value and the total gross payment including excess quantity does not exceed the contract value.

Balance amount on account of excess quantity and extra items of work executed shall be paid after the deviation estimate / revised estimate regularizing the extra items and excess quantities of work is sanctioned by the competent authority of the company with the concurrence of the Finance Department of the company.

d) On the Engineer-in-Charge's certificate of completion in respect of the work covered by the contract / final measurements of the work certified by the Engineer In Charge or his representative.

E-way Bill: The e-way bill required in connection with supply of goods or services, if any, shall be arranged by the supplier/vendor. However, the e-way bill will be arranged by CIL/Subsidiary if the supplier/vendor is unregistered one or if provisions of the relevant Act and the rules made there under specifically states that the e-way bill is required to be issued by recipient of goods.

16.7.03 The measurements shall be entered in the M.B for the work done up to the date of completion and evaluated based on the approved rates for the items in the contract agreement/sanctioned revised estimate. In case of extra items of work, the rates shall be derived as stated in the relevant clause of the contract.

The payments shall be released against the final bill subject to all deductions which may be made on account of materials supplied, water supply for construction, supply of electricity and any other dues payable by the contractor to the company, and further subject to the contractor having given to the Engineer-in-Charge a no claim certificate.

The contractor shall indemnify the company against proof of depositing royalty on account of minor minerals used in the work before the final bill is processed for payments. The final payment to be made will also be subject to Clause-4.6 & 4.7 of the General Terms & Conditions of the contract.

16.7.04 Any certificate given by the Engineer-in-Charge for the purpose of payment of interim bill/bills shall not of itself be conclusive evidence that any work/materials to which it relate is/are in accordance with the contract and may be modified or corrected by the Engineer-in-Charge by any subsequent certificate or by the final certificate.

16.7.05 The company reserve the right to recover/enforce recovery of any overpayments detected after the payment as a result of post payment audit or technical examination or by any other means, notwithstanding the fact that the amount of disputed claims, if any, of the contractor exceeds the amount of such overpayment and irrespective of the facts whether such disputed claims of the contractor are the subject matter of arbitration or not.

The amount of such overpayments shall be recovered from subsequent bills under the contract, failing that from contractor's claim under any other contract with the company or from the contractor's security deposit or the contractor shall pay the amount of over payment on demand. In case of contractor's non-payment on such demand, the same should be realised from the contractor's dues, if any, with Coal India Limited or any of its subsidiaries.

16.7.06 The contractors are required to execute all works satisfactorily and according to the specifications laid down in the contract/ work order. If certain items of work, executed by the contractor, are below specifications, the contractor should re-do them according to the specifications and instructions of EIC and if the contractor fails to rectify the defect within the time and in the manner specified by the EIC, the work shall be got re-done or rectified by the department at the risk and cost of the contractor. Engineer-in-Charge may accept such work of below specifications provided the department is satisfied with the quality of such works and the strength/ structural safety of such works. In that case Engineer-in-Charge shall make such deductions for the difference in value, as in his opinion is reasonable and is approved by the accepting authority of the company i.e. GM/HOD(E&M) of the company in this case or any other officer nominated by GM/HOD(E&M) for the purpose.

16.7.07 Payment Stage: The payment stage involved will be as under,

- i. Signature of Subordinate Engineer(E&M)/ EA(E&M)/ Sr. Overseer(E&M) / Overseer(E&M) in MB' s both in pages recording measurements, abstract of bill & the duly filled in bill form.
- ii. Signature of Sr. Officer (E&M)/ Asstt. Manager (E&M) with appropriate check measurements in the MB's and the bill form.

- iii. Signature of Dy. Manager (E&M)/ Manager (E&M) with appropriate check measurements in MB's and the bill form.
- iv. Signature of Engineer-in-Charge as per definition as at clause 1(vii) of the General Terms and Conditions, as a token of acceptance for payment of the bill. The EIC may sign in the abstract of the bill in the MB & the bill form. In between stage iii) and iv) accountal checking may be made by the concerned Accounts Officer/ Accountant.

(In case of non-availability of officials as at (i) above, company may authorize suitable executives for the works outlined at (i). Further for check measurement also company may authorize Executives based on availability.

16.7.08 Secured Advance: Secured advance can be paid for items of materials required for execution of the work and covered under categories A & B and supplied by the contractor at work site, supported by necessary vouchers, challans, test certificates etc. after execution of indemnity bond as per prescribed Form of the company on non-judicial stamp paper of prescribed value.

This advance shall be recovered in four equal installments or as per consumption whichever is higher. Engineer-in-Charge shall recover at his discretion all or any part of secured advance paid, if in his opinion the work is not progressing satisfactorily or the security of these materials at site is not adequately taken care of by the contractor. Secured advance shall be payable for contracts of value above Rs.50.00 lakhs only.

Secured advance for structural steel sections, reinforcement steel and cement, collected at site, will be paid up to 75% of the corresponding stock yard prices of SAIL for the corresponding steel items and Govt. approved/ D.G.S.D. prices for cement, if the same exist.

In case of non-availability of Govt. approved prices of cement & steel and for the materials falling under Category - A and B the secured advance will be paid at the basic rate available in the approved schedule of rates of the company plus or minus the overall percentage on which the work was awarded, provided such rate is not more than 60% of the quoted rate of the contractor for the actual work.

At any point of time the outstanding recoverable secured advance shall not be more than 10% of the contract value.

Items against which secured advance can be granted:

Category-A

Civil:

1. Bricks.
2. Stone and brick aggregate.
3. Stones.
4. Finished products of brass, iron and steel such as doors & windows frames, wire mesh, gate, GI Sheets.
5. Pre-cast R.C.C. products such as pipes, jali, water storage tanks etc.
6. Doors & Window fittings.
7. Pipes and sanitary fittings of CI, SCI & HCI

Electrical :

1. Steel conduits
2. G.I. Pipes
3. I.C. Boards

4. Switchgears (Air circuit breakers and Air break switches)
5. C.I. Boxes.
6. A.C.S.R. Conductors
7. A.C. Plant & Machinery
8. Pumps
9. Generating sets (without oil)

Items against which secured advance can be granted:

Category- B

Civil:

1. Glazed tiles, terrazzo tiles and similar articles.
2. Marble slabs.
3. Asbestos cements products.
4. Finished timber products such as doors, windows, flush doors, particle boards (subject to mandatory test being satisfactory) etc.
5. Bitumen in sealed drums.
6. Bitumen felt.
7. Polythene pipes and fittings and tanks.
8. Sanitary fittings and pipes of S.W., porcelain and chinaware materials
9. Laminated / Safety, one way vision, and bullet proof glasses.
10. Chemical required for anti-termite treatment (in sealed drums).
11. Paints, varnishes, distempers, pigment, spirits etc.

Electrical:

1. Transformers
2. Oil-filled switch gears.
3. L.T. &H.T. Cables
4. Fans
5. Storage and Dry Batteries
6. Insulation tapes.
7. Epoxy cable compounds.
8. Electric light fittings.
9. Wooden battens, casing & capping and wooden boards.
10. Flexible wires.
11. PVC materials.

12.Oil and lubricants.

13.Rubber materials.

14.Glass wool, thermocole & other insulating materials.

15.Porcelain H.T. and L.T. insulators.

In addition to indemnity bond, for materials listed under Category-B, the contractor shall be required to provide necessary insurance cover of equivalent value of materials.

Items against which no secured advance shall be granted:

Civil:

1. Glass products other than those indicated in Category-B.
2. Sand and moorum
3. Chemical compounds other than those indicated in Category-B.

Electrical:

1. Glass gloves and shades
 2. Bulbs and tubes
 3. Petrol and diesel
 4. Freon and other refrigeration gases.
- 17** Income tax deduction @ 2% (Two percent) of the gross value (excluding GST) of each bill or at the rate as amended from time to time, shall be made unless exempted by the competent authority of the Income Tax Department.
GST on Works Contracts (if applicable) and Building and Construction Workers Cess (as applicable in States) shall be payable by the contractor. If, however, the company is asked to make deduction from the contractor's bills, the same shall be done and a certificate to this effect shall be issued to the contractor for dealing with the State Govt. and the company does not take any responsibility to do anything further in this regard.
- 18** No interest shall be payable on the amounts withheld, under the terms of the Contract Agreement/Work order.

19 TERMINATION, SUSPENSION, CANCELLATION & FORECLOSURE OF CONTRACT

19.1 The contract shall stand terminated under the following circumstances:

- a. If the contractor being an individual in the case of proprietary concern or in the case of a partnership firm any of its partners is declared insolvent under the provisions of insolvency act for the time being in force, or makes any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors amounting to proceedings for liquidation or composition under any insolvency act.
- b. In the case of the contractor being a company, its affairs are under liquidation either by a resolution passed by the company or by an order of court, not being a voluntary liquidation proceedings for the purpose of amalgamation or reorganization, or a receiver or manager is appointed by the court on the application by the debenture holders of the company, if any.
- c. If the contractor shall suffer an execution being levied on his/their goods, estates and allow it to be continued for a period of 21 days.

- d. On the death of the contractor being a proprietary concern or of any of the partners in the case of a partnership concern and the Company is not satisfied that the legal representative of the deceased proprietor or the other surviving partners of the partnership concern are capable of carrying out and completing the contract. The decision of the company in this respect shall be final and binding which is to be intimated in writing to the legal representative or to the partnership concern.

20 ADDITIONAL RESPONSIBILITIES OF THE CONTRACTOR

The cost on account of "Additional Responsibilities of the Contractor" under this clause is deemed to be included in the tendered rates.

- i. The Company reserve the right to let other contractors also work in connection with the project and the contractor shall co-operate in the works for the introduction and stores and materials and execution of his/their works.
- ii. The Contractor shall keep on the work, during the progress a competent Superintendent and necessary assistants who shall represent the contractor(s) in his/their absence. Important instructions shall be confirmed to the contractor(s) in writing.
- iii. The Contractor shall employ only competent, skilful and orderly men to do the work. The EIC shall have the right to ask the Contractor to remove from the work site any men of the contractor who in his opinion is undesirable.
- iv. Precautions shall be exercised at all times for the protection of persons (including employees) and property. The safety required or recommended by all applicable laws, codes, statutes and regulations will be observed. In case of accidents, he/they shall be responsible for compliance with all the requirements imposed by the Workmen's Compensation Act or any other similar laws in force, and shall indemnify the Company against any claim on this account.

The Contractor shall at all times exercise reasonable precautions for the safety of employees in the performance of his/their contract and shall comply with all applicable provisions of the safety laws drawn up by the State or Central Government or Municipalities and other authorities in India. The Contractor shall comply with the provision of the safety hand book as approved and amended from time to time by the Government of India.

- v. The Contractor shall familiarize themselves with and be governed by all laws and rules of India and Local statutes and orders and regulations applicable to his/their work.
- vi. All duties, taxes and other levies payable by the Contractor under the Contract (excluding "SERVICE TAX"), or for any other cause as applicable on the last date of submission of tender, shall be included in the rates, prices and the total Bid Price submitted by the Bidder. All incidentals, overheads, etc. as may be attendant upon execution and completion of works shall also be included in the rates, prices and total Bid Price submitted by the Bidder.

However, such duties, taxes, levies etc. which is notified after the last date of submission of tender and/or any increase over the rate existing on the last date of submission of tender shall be reimbursed by the company on production of documentary evidence in support of payment actually made to the concerned authorities.

However, any reduction of cost on account of Govt. notification for duties or levies shall be recovered from the bills submitted by the Bidder.

- vii. The Company reserves the right to deduct/ withhold any amount towards taxes, levies, etc. and to deal with such amount in terms of the provisions of the Statute or in terms of the direction of any statutory authority and the company shall only provide with certificate towards such deduction and shall not be responsible for any reason whatsoever.
- viii. The Contractor shall make his/their own arrangement for all materials, tools, staff and laborers required for the contract, which shall include cost of lead, lift, loading, unloading, railway freight, recruiting expenses and any other charges for the completion of the work to the entire satisfaction of the company.

The Contractor shall make their own arrangement for carriage of all materials to the work site at his/their own cost and supply of all water required for the contracted work.

- ix. The Contractor shall not pay less than the minimum wages to the labourers engaged by him/them as per Minimum Wages Act or such other legislation or award or the minimum wages fixed by the respective State Government as may be in force. The contractor shall make necessary payments of the Provident Fund for the workmen employed by him for the work as per the laws prevailing under provisions of CMPF and Allied Schemes and Miscellaneous Provisions Act 1948 and Miscellaneous Provisions Act 1952 as the case may be.
- x. All accounts shall be maintained in English and the company shall have the right of access and inspection of all such books of accounts etc. relating to payment of labourers including payment of provident fund etc. considered necessary as per prevalent Statutes, Acts and Laws and the company may arrange for witnessing the payment to the labourers by its representatives.
- xi. The Contractor shall in addition to any indemnity provided by law, indemnify and keep indemnified:
 - a. The Company against all claims, damages or compensation under the provisions of payment of Wages Act. 1936, Minimum Wages Act 1948, Employer's Liability Act 1938, The Employees Compensation Act 1923, Industrial Disputes Act 1947, The Employees State Insurance Act 1948, CMPF and Allied Schemes and Provisions Act 1948 and Miscellaneous Provisions Act 1952 and Maternity Benefit Act, 1961 or any modifications thereof or of any other law relating thereto and rules made thereunder from time to time, as may be applicable to the contract, which may arise out of or in consequence of the construction or maintenance or performance of the work under the contract and also against costs, charges and expenses of any suit, action or proceedings arising out of any accident or injury.
 - b. The Contractor shall ensure that any Payment to the Contractor's worker is made through the Bank.
- xii. **Insurance** - The Contractor shall take following insurance policies during the full contract period at his own cost:
 - a. The Contractor shall at all times during the pendency of the contract indemnify the company against all claims, damages or compensation under the provisions of the Employee's Compensation Act and shall take insurance policy covering all risk, claims, damages or compensation payable under the Employee's Compensation Act or under any other law relating thereto.
 - b. The Contractor shall ensure that the insurance policy/policies are kept alive till full expiry of the contract by timely payment of premiums and shall not be cancelled without the approval of the Company and a provision is made to this effect in all the policies, and similar insurance policies are also taken by his subcontractor(s) if any. The cost of premiums shall be borne by the contractor and it shall be deemed to have been included in the tendered rate.
 - c. In the event of Contractor's failure to effect or to keep in force the insurance referred to above or any other insurance which the contractor is required to effect under the terms of the contract, the Company may effect and keep in force any such insurance and pay such premium/premiums as may be necessary for that purpose from time to time and recover the amount thus paid from any moneys due by the Contractor.
 - d. Since Contractor shall ensure 100% payment of Contractor's Worker through Bank, a premium of Rs.12/- per annum per member will be deducted from the account holder's savings bank account through 'auto debit' facility in one installment on or before 1 st June of each annual coverage period under the scheme Pradhan Mantri Suraksha Bima Yojna (PMSBY).

21. Foreclosure of contract:

If at any time after acceptance of the tender the company decides to abandon or reduce the scope of work for any reason whatsoever the company, through its Engineer-in-Charge, shall give notice in writing to that effect to the contractor and contractor shall act accordingly in the matter. In the

event of abandonment, the contractor shall have no claim to any payment of compensation or otherwise whatsoever, other than those mentioned below:-

a)to pay reasonable amount assessed and certified by the Engineer-in-Charge of the expenditure incurred, if any, by the contractor on preliminary works at site e.g. temporary access roads, temporary construction for labour and staff quarters, office accommodation, storage of materials, water storage tanks and water supply for the work including supply to labour/ staff quarters, office etc.

b)to pay the contractor at the contract rates full amount for works executed and measured at site up to the date of such abandonment.

c)to pay for the materials brought to site or to be delivered at site, which the contractor is legally liable to pay, for the purpose of consumption in works carried out or were to be carried out but for the foreclosure, including the cost of purchase and transportation and cost of delivery of such materials. The materials to be taken over by the company should be in good condition and the company may allow at its discretion the contractor to retain the materials in full or in part if so desired by him and to be transported by the contractor from site to his place at his own cost with due permission of the EIC.

d)to take back the materials issued by the company but remaining unused, if any, in the work on the date of abandonment/reduction in the work, at the original issue price less allowance for any deterioration or damage caused while in custody of the contractor.

e)to pay for the transportation of tools and plants of the contractor from site to contractor's place or to any other destination, whichever is less.

- 21.1** The contractor shall, if required by the Engineer-in-Charge, furnish to him books of accounts, papers, relevant documents as may be necessary to enable the Engineer-in-Charge to assess the amounts payable in terms of clauses 10.4(a) (c) & (e) of the contract. The contractor shall not have any claim for compensation for abandonment of the work, other than those as specified above.

22 Carrying out Part Work at Risk & Cost of Contractor.

If the progress of the work or of any portion of the work is unsatisfactory, the Engineer-in-Charge, after giving the contractor 15 days' notice in writing, without cancelling or terminating the contract, shall be entitled to employ another Agency for executing the job or to carry out the work departmentally or contractually through tendering / limited tendering process, either wholly or partly, debiting the contractor with cost involved in engaging another Agency or with the cost of labour and the prices of materials, as the case may be. The certificate to be issued by the Engineer-in-Charge for the cost of the work so done shall be final and conclusive and the extra cost, if any, shall be borne by the contractor. However, when this clause is invoked, penalty will not be applicable other than on account of delayed completion.

The value of the work taken away shall be calculated for the items and quantities taken away at the agreement rates including price variation as applicable on the date, when notice in writing for taking away part work was issued to the contractor. The contractor, from whom part work is being taken out, shall not be allowed to participate in the tendering process if any.

If the expenses incurred by the department is less than the amount payable to the contractor at his agreement rates, the difference shall not be payable to the contractor.

In the event of above course being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract.

23. Completion Certificate / Defect Liability Certificate

Except in cases where the contract provides for "Performance Test" before issue of Defect Liability certificate, in which case the issue of Defect Liability certificate shall be in accordance with the procedure specified therein, the contractor shall give notice of completion of work, as soon as the work is completed, to the Engineer-in-Charge. The Engineer-in-Charge and or any other Officer, nominated for the purpose by the company, shall within 30 (thirty) days from the receipt thereof, inspect the work and ascertain the defects/deficiencies, if any, to be rectified by the contractor as also the items, if any, for which payment shall be made at reduced rate.

If the defects, according to the Engineer-in-Charge are of a major nature and the rectification of which is necessary for the satisfactory performance of the contract, he shall intimate in writing the defects and instruct the contractor to rectify the defects/remove deficiencies within the period and in the manner to be specified therein. In such cases Defect Liability Certificate will be issued by the EIC after the above rectifications are carried out/ deficiencies are removed by the contractor to the satisfaction of EIC

In the event there are no defects or the defects/ deficiencies are of a minor nature and the Engineer-in-Charge is satisfied that the contractor has already made arrangements for rectification, or in the event of contractor's failure to rectify the defects for any reason whatsoever, the defects can be rectified by the company departmentally or by other means and the 50% of the security deposit of the contractor shall be sufficient to cover the cost thereof, he shall issue the Defect Liability Certificate (Taking Over Certificate with list of defects) indicating the date of completion of the work, defects to be rectified, if any, and the items, if any, for which payment shall be made at reduced rate indicating reasons there for and with necessary instructions to the contractor to clear the site/place of work or all debris/ waste materials, scaffoldings, sheds, surplus materials etc. making it clean.

- 23.1** In cases where separate period of completion for certain items or groups of items are specified in the contract, separate Defect Liability certificate for such items or groups of items may be issued by the Engineer-in-Charge after completion of such items on receipt of notice from the contractor only in the event the work is completed satisfactorily in every respect.

Refund of security deposit and payment of final bill shall, however, be made on completion of the entire contract work, but not on completion of such items of work.

- 23.2** Before the date fixed for completion of work, the work as well as the site of work are to be made clean after removal of rubbish, scaffolding, surplus materials, temporary structures etc.

In case of contractor's failure to clear the site, the EIC shall have right to get the work done. The cost thereof shall be recovered from the final bill of the contractor.

24. Defects Liability Period:

In addition to the defect/s to be rectified by the contractor as per terms of the contract/ work order, the contractor shall be responsible to make good and remedy at his own expense the defect/s mentioned hereunder within such period as may be stipulated by the Engineer in-Charge in writing:

a) Any defect/defects in the work detected by the Engineer-in-Charge within a period of 60 months (Sixty Months) months from the date of execution of work.

b) In the case of building works or other works of similar nature any defect in the work detected by the Engineer-in-Charge within a period of 60 (sixty) months from the date of issue of Defect Liability certificate/ completion certificate or before the expiry of one full monsoon period i.e. June to September whichever is later in point of time.

24.1 A programme shall be drawn by the contractor and the Engineer-in-Charge for carrying out the defects by the contractor detected within the defect liability period and if the contractor fails to adhere to this programme, the Engineer-in-Charge shall be at liberty to procure proper materials and carry out the rectifications in any manner considered advisable under the circumstances and the cost of such procurement of materials and rectification work shall be chargeable to the contractor and recoverable from any of the pending dues of the contractors.

The defect liability period can be extended by the company on getting request from the contractor only for valid reasons.

There will be no defect liability period for works like Grass Cutting, Jungle Cutting, Surface Dressing & any other work of similar nature to be decided by the Engineer-in-Charge.

25. Operating and Maintenance Manual:

If “as built” drawings and/or Operating and Maintenance Manual are required the contractor shall supply them by the dates as per instruction of the Engineer-in-charge.

If the contractor does not supply the drawings and/or Manual by the dates as stated above, or they do not receive the Nodal Officer or his nominee’s approval, the Nodal Officer or his nominee shall withhold the amount as stated in the agreement.

26 SETTLEMENT OF DISPUTES

It is incumbent upon the Contractor to avoid litigation and disputes during the course of execution. However, if such disputes take place between the contractor and the department, effort shall be made first to settle the disputes at the company level.

The Contractor should make request in writing to the PRCO for settlement of such disputes/ claims within 30 (thirty) days of arising of the cause of dispute/ claim failing which no disputes/ claims of the contractor shall be entertained by the company.

If differences still persist, the settlement of the dispute with Govt. Agencies shall be dealt with as per the Guidelines issued by the Ministry of Finance, Govt. of India in this regard. In case of parties other than Govt. Agencies, the redressal of the dispute may be sought in the Court of Law.

Committee on Disputes (COD) constituted by the Cabinet Secretariat for pursuing litigation by PSUs/ Government Departments stands wound up with 17.02.2011, as communicated by the Director (Administration), Cabinet Secretariat, Sardar Patel Bhawan, Sansad Marg, New Delhi vide Office Memorandum No. A-12034/01/2011-Ad.1 date 1st September 2011.

27 NON-DISCLOSURE/CONFIDENTIALITY CLAUSE

The bidder will not at any time during pendency of contract or afterwards, disclose to any person any information as to documents, components, parts, information, drawings, data, sketches, plans, programs, specifications, techniques, processes, software, inventions and other materials, both written and oral, of a secret, confidential or proprietary nature, including without limitation any and all information relating to finance, invention, research, design or development of information system and any supportive or incidental subsystems, and any and all subject matter claimed in or disclosed by any patent application prepared or filed by or on behalf of CMPDIL, in any jurisdiction, and any amendments or supplements thereto. The bidder should understand that any breach of this clause would constitute a serious offence for which appropriate legal action may be taken to ensure the enforcement of confidentiality clause.

CMPDIL also desires that the bidder shall hold in trust and confidence, and not disclose to others or use for its own benefit or for the benefit of other, any Proprietary Information which is disclosed to the bidder by CMPDI at any time during the agreement / award of work / execution of work and thereafter. The bidder shall

disclose Proprietary Information received under the contract to person within its organization only if such persons (i) have a need to know and (ii) are bound in writing to protect the confidentiality of such Proprietary Information. This clause shall survive and continue after any expiration or termination of the contract and shall bind the contractor, its employees, agents, representatives, successors, heirs and assigns.

ADDITIONAL TERMS AND CONDITIONS

The following additional terms and conditions are also acceptable to the company. The tenderers are requested not to quote any further additional conditions in the tender.

1. Mobilization Advance

- i) No mobilization advance is payable for works whose estimated value is less than Rs.100.00 lakhs.
- ii) In the case of turnkey work whose estimated value is more than Rs.100 lakhs a maximum of 10 % of the total contract value of work will be paid as mobilization advance subject to submission of Bank Guarantee equal to 110% of the advance amount. The mobilization advance shall be paid in two installments.
- iii) In case of other civil works valued more than Rs.100 lakhs mobilization advance will be paid up to 5% of the contract value subject to submission of Bank Guarantee equal to 110% of the advance amount. The mobilization advance shall be paid in two installments.
- iv) However, such mobilization advance will carry interest on the basis of CIL's borrowing rate under cash credit arrangement as varying from time to time.
- v) The mobilization advance shall be recovered from the bills of the contractor from the 2nd running account bill onwards @ 20% of the advance amount paid and full recovery would be ensured before or with the Final Bill.
- vi) The value of Bank Guarantee may be reduced to the extent such advance is recovered by the company subject to the conditions that the value of Bank Guarantee amount at any time is more than the recoverable outstanding advance. Bank Guarantee shall be irrevocable and from a Scheduled- Bank acceptable to the Company.

2. Application of Price Variation Clause.

No escalation shall be payable for the work on any account.

SAFETY CODE.

1. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well suitable footholds and hand-hold shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to 1 ($\frac{1}{4}$ horizontal and 1 vertical).
2. Scaffolding of staging more than 3.6 m (12ft). above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached or bolted, braced and otherwise secured at least 90 cm (3ft) high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
3. Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft) above ground level, they should be closely boarded, should have adequate width and should be suitably fastened as described in (2) above.
4. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm (3ft).
5. Safety means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9 m (30ft) in length while the width between side rails in rung ladder shall in no case be less than 20 cm (11 $\frac{1}{2}$ ") for ladder up to and including 3 m (10ft) in length. For longer ladders, this width should be increased at least $\frac{1}{4}$ " for additional 30 cm (1ft.) of length. Uniform step spacing of not more than 30 cm shall be kept. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites or work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defence of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit; action or proceedings to any such person or which may, with the consent of the contractor, be paid to compensate any claim by any such person.
6. Excavation and Trenching : All trenches 1.2 m (4ft) or more in depth, shall at all times be supplied with at least one ladder for each 30 m. (100 ft.) in length or fraction thereof. Ladder shall extend from bottom of the trench to at least 90 cm (3ft) above the surface of the ground. The side of the trenches which are 1.5 m (5ft) or more in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 m (5ft) of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances, undermining or undercutting shall be done.
7. Demolition : before any demolition work is commenced and also during the progress of the work,

- i. All roads and open areas adjacent to the work site shall either be closed or suitably protected.
 - ii. No electric cable or apparatus which is liable to be a source of danger or a cable or apparatus used by the operator shall remain electrically charged.
 - iii. All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.
8. All necessary personal safety equipment as considered adequate by the Engineer-in-Charge should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned:- The following safety equipment shall invariably be provided.
- i) Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
 - ii) Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes, shall be provided with protective goggles.
 - iii) Those engaged in welding works shall be provided with welder's protective eye-shields.
 - iv) Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
 - v) When workers are employed in sewers and manholes, which are in active use, the contractors shall ensure that the manhole covers are opened and ventilated at least for an hour before the workers are allowed to get into the manholes, and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public. In addition, the contractor shall ensure that the following safety measures are adhered to:-
 - a) Entry for workers into the line shall not be allowed except under supervision of the Engineering Assistant or any other higher officer.
 - b) At least 5 to 6 manholes upstream and downstream should be kept open for at least 2 to 3 hours before any man is allowed to enter into the manhole for working inside.
 - c) Before entry, presence of Toxic gases should be tested by inserting wet lead acetate paper which changes colour in the presence of such gases and gives indication of their presence.
 - d) Presence of Oxygen should be verified by lowering a detector lamp into the manhole. In case, no Oxygen is found inside the sewer line, workers should be sent only with Oxygen kit.
 - e) Safety belt with rope should be provided to the workers. While working inside the manholes, such rope should be handled by two men standing outside to enable him to be pulled out during emergency.
 - f) The area should be barricaded or condoned of by suitable means to avoid mishaps of any kind. Proper warning signs should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.
 - g) No smoking or open flames shall be allowed near the blocked manhole being cleaned.
 - h) The malba obtained on account of cleaning of blocked manholes and sewer lines should be immediately removed to avoid accidents on account of slippery nature of the malba.

i) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The Engineer-in-Charge may decide the time up to which a worker may be allowed to work continuously inside the manhole.

j) Gas masks with Oxygen Cylinder should be kept at site for use in emergency.

k) Air-blowers should be used for flow of fresh air through the manholes. Whenever called for, portable air blowers are recommended for ventilating the manholes. The Motors for these shall be vapour proof and of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 meters away from the opening and on the leeward side protected from wind so that they will not be a source of friction on any inflammable gas that might be present.

l) The workers engaged for cleaning the manholes / sewers should be properly trained before allowing to work in the manhole.

m) The workers shall be provided with Gumboots or non-sparking shoes bump helmets and gloves non sparking tools safety lights and gas masks and portable air blowers (when necessary).

They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.

n) Workmen descending a manhole shall try each ladder stop or rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to manhole well.

o) If a man has received a physical injury, he should be brought out of the sewer immediately and adequate medical aid should be provided to him.

p) The extents to which these precautions are to be taken depend on individual situation but the decision of the Engineer-in-Charge regarding the steps to be taken in this regard in an individual case will be final.

vi) The Contractor shall not employ men and women below the age of 18 years on the work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, the following precaution should be taken:-

a) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.

b) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint is dry rubbed and scrapped.

c) Overalls shall be supplied by the contractors to the workmen and adequate facilities shall be provided to enable the working painters to wash during and on the cessation of work.

d) Measures shall be taken, wherever practicable, to prevent danger arising out of from dust caused by dry rubbing down and scraping.

e) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.

f) Overall shall be worn by working painters during the whole of working period.

g) Suitable arrangement shall be made to prevent clothing put off during working hours being spoiled by painting materials.

9. When the work is done near any place where there is risk of drowning, all necessary equipments should be provided and kept ready for use and all necessary steps taken for prompt rescue of any

person in danger and adequate provision, should be made for prompt first aid treatment of all injuries likely to be obtained during the course of the work.

10. Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the following standards or conditions:-

i) (a) These shall be of good mechanical construction, sound materials and adequate strength and free from patent defects and shall be kept repaired and in good working order.

(b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.

ii) Every crane driver or hoisting appliance operator, shall be properly qualified and no person under the age of 21 years should be in charge of any hoisting machine including any scaffolding winch or give signals to operator.

iii) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of a hoisting machine having a variable safe working load each safe working load and the condition under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.

iv) In case of departmental machines, the safe working load shall be notified by the Electrical

Engineer-in-Charge. As regards contractor's machines the contractors shall notify the safe working load of the machine to the Engineer-in-Charge whenever he brings any machinery to site of work and get it verified by the Electrical Engineer concerned.

12. Motors, gearing, transmission, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be provided with such means as will reduce to the minimum the risk of accidental descent of the load. Adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel, such as gloves, sleeves and boots as may be necessary should be provided. The worker should not wear any rings, watches and carry keys or other materials which are good conductors of electricity.

13. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.

14. These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.

15. To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer or

Engineer-in-Charge of the department or their representatives.

16. Notwithstanding the above clauses from (1) to (15), there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.

TECHNICAL SPECIFICATIONS

Technical Specifications to be followed

Civil Engineering Works

Latest CPWD specification shall be adopted. Presently CPWD specifications 2009 Vol. I & II is in vogue which may be followed. These specifications cover all type of Building Works. The specifications are available as a printed document issued by CPWD and also in soft copy PDF format in CPD website.

Electrical Engineering Works

Latest CPWD specification shall be adopted. Presently the following are in vogue:

Part No.	Description Year Of Issue	Year Of Issue
I	Internal	2013
III	Lifts And Escalators	2003
V	Wet Riser And Sprinklers System	2006
VI	Heating, Ventilation And Air- Conditioning Works	2005

*Roads And Bridges

Standard specifications issued by ministry of surface transport may be followed. Presently MORTH

Specifications on roads and bridges 2013 is available. These specifications cover exhaustively various roads and bridge works. (Applicable for important and major roads.) *Delete if not applicable.

COMPLIANCE OF LABOUR LAWS

1. Labour

- 1.1 The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, their payment, housing, feeding and transport.

The Contractor shall, if required by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by contractor on the site and such information respecting contractor's equipment as the Engineer may require.

- 1.2 The work has to be carried out through regular employees as far as possible and the Wages thereof are to be made in their bank accounts

2. Compliance with Labour Regulations

- 2.1 During continuance of the contract, the contractor and his sub-contractors shall abide at all times by all existing labour enactments and rules made thereunder, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law, including rules, regulations, bye laws that may be passed or notification that may be issued under any labour law in further either by the State or Central Government or the local authority. Salient features of some of the major labour laws that are applicable to construction industry are given below. The contractor shall be held responsible in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made thereunder, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications bye laws/acts/rules/regulations/including amendments, if any on the part of the contractor, the Engineer/Employer shall have the right to deduct any money due to the Contractor including his amount of performance security. The Employer/Engineer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the contractor and the sub-contractor in no case shall be treated as the employees of the Employer at any point of time.

- 2.2 SALIENT FEATURES OF SOME MAJOR LABOUR LAWS APPLICABLE TO ESTABLISHMENT ENGAGED IN BUILDING AND OTHER CONSTRUCTION / CIVIL WORKS.

- a) **Workmen Compensation Act, 1923 :-** The act provides for compensation in case of injury by accident arising out of and during the course of employment.
- b) **Payment of Gratuity Act, 1972 :-** Gratuity is payable to an employee under the Act on satisfaction of certain conditions on separation if an employee has completed 5 years service or more or on death the rate of 15 days' wages for every completed year of service. The Act is applicable to all establishments employing 10 or more employees.
- c) **Employees PF and Miscellaneous Provisions Act, 1952 :-** The Act provides for monthly contributions by the employer and workers @ 12 % or as applicable. The benefits payable under the Act are :

i. Pension or family pension on retirement or death as the case may be.

ii. Deposit linked Insurance on the death in harness of the worker.

iii. Payment of PF accumulated on retirement/death etc.

- d) **Maternity Benefit Act, 1951 :-** The Act provides for leave and some other benefits to women employees in case of confinement or miscarriage etc.
- e) **Contract Labour (Regulation & Abolition) Act, 1970 :-** The Act provides for certain welfare measures to be provided by the contractor to contract labour and in case the contractor fails to provide, the same are required to be provided by the Principal Employer by Law. The Principal Employer is required to take Certificate of Registration and the contractor is required to take license from the designated Officer. The Act is applicable to the establishments or contractor of Principal Employer if they employ 20 or more contract labour.
- f) **Minimum Wages Act, 1948 :-** The Employer is supposed to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act if the employment is a scheduled employment. Construction of Buildings, Roads, Runways are scheduled employment.
- g) **Payment of Wages Act, 1936 :-** It lays as to by what date the wages are to be paid, when it will be paid and what deductions can be made from the wages of the workers.
- h) **Equal Remuneration Act, 1979 :-** The Act provides for payment of equal wages for work of equal nature of Male and Female workers and for not making discrimination against Female employee in the matters of transfers, training and promotion etc.
- i) **Payment of Bonus Act, 1965 :-** The Act is applicable to all establishments employing 20 or more workmen. The Act provides for payments of annual bonus subject to a minimum of 8.33% of wages and maximum of 20% of wages to employees drawing Rs. 3500/- per month or less. The bonus to be paid to the employee getting Rs. 2500/- per month to about upto Rs. 3500/- per month, shall be worked out by taking wages as Rs. 2500/- per month only. The Act does not apply to certain establishments. Some of the State Governments are exempted for five years in certain circumstances. Some of the State Governments have reduced the employment size from 20 to 10 for the purpose of applicability of the Act.
- j) **Industrial Disputes Act, 1947 :-** The Act lays down the machinery and procedure for resolution of Industrial disputes, in what situations a strike or lock-out becomes illegal and what are the requirements for laying off or retrenching the employees or closing down the establishment.
- k) **Industrial Employment (Standing Orders) Act, 1946 :-** It is applicable to all establishments employing 100 or more workmen (employment size reduced by some of the State and Central Government to 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and get the same certified by the designated Authority.
- l) **Trade Union Act, 1926 :-** The Act lays down the procedure for registration of trade unions of workmen and employees. The Trade Unions registered under the Act have been given certain immunities from civil and criminal liabilities.
- m) **Child Labour (Prohibition & Regulation) Act, 1986 :-** The Act prohibits employment of children below 14 years of age in certain occupations and processes and provides for regulations of employment of children in all other occupations and processes. Employment of Child Labour is prohibited in Building Industry.

- n) **Inter-State Migrant Workmen's (Regulation of Employment & Conditions of Service) Act, 1997 :-** The Act is applicable to an establishment which employs 5 or more inter-state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment situated in another state). The Inter-State migrant workmen, in an establishment to which this Act becomes applicable, are required to be provided, certain facilities such as Housing, Medical-Aid, Travelling expenses from home upto the establishment and back etc.
- o) **The Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 and the Cess Act of 1996 :-** All the establishments who carry on any building or other construction work and employs 10 or more workers are covered under this Act. All such establishments are required to pay cess at the rate not exceeding 2% of the cost of construction as may be modified by the Government. The employer of the establishment is required to provide safety measures at the Building or construction work and other welfare measures, such as canteens, First-Aid facilities, Ambulance, Housing accommodation for workers near the work place etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officer appointed by the Government.
- p) **Factories Act, 1948 :-** The Act lays down the procedure for approval at plans before setting up a factory, health and safety provisions, welfare provisions, working houses, annual earned leave and rendering information regarding accidents or dangerous occurrences to designated authorities. It is applicable to premises employing 10 persons or more with aid of power or 20 or more persons without the aid of power engaged in manufacturing process.

Guidelines for Banning of Business

CIL and its Subsidiary Companies shall follow the following guidelines for effecting 'Banning of Business' with a contracting entity in respect of Works and Services Contracts.

1. Observance of Principle of Natural Justice before banning the business dealings with any contracting entity.
2. The contracting entity may be banned in the following circumstances :-
 - i) If bidder backs out after notification of opening of price bid and if that bidder is found to be L-1.
 - ii) If L-1 bidder fails to submit PSD and APSD, if any and/or fails to execute the contract within stipulated period.
 - iii) If L-1 bidder fails to start the work on scheduled time.
 - iv) In case of failure to execute the work as per mutually agreed work schedule.
 - v) Continued and repeated failure to meet contractual Obligations:
 - a. In case of partial failure on performance, agency shall be banned from future participation in tenders keeping his present contract alive.
 - b. On termination of contract.
 - vi) Willful suppression of facts or furnishing or wrong information or manipulated or forged documents by the Agency or using any other illegal/unfair means.
 - vii) Formation of price cartels with other contractors with a view to artificially hiking the price.
 - viii) The contractor fails to maintain/repair/redo the work up to the expiry of performance guarantee period, when it is specifically brought to his notice.
 - ix) Contractor fails to use Mobilization advance given to him for the purpose it was intended.
 - x) Contractor fails to renew the securities deposited to the department.
 - xi) The contractor fails to rectify any lapse(s) in quality of the work done within defect liability period.
 - xii) Transgression of any clause(s) relating to Contractor's obligation defined in the Integrity Pact wherever such Pact exists.
 - xiii) Any other breach of Contract or misdeed which may cause financial loss or commercial disadvantage to the Company.
3. Such 'Banning of Business', if and when effected, shall be with prospective effect only. The effect of 'Banning of Business' shall be for future tenders from the date of issue of such Order. However, if any contracting entity is banned after online notification of opening of Price Bid, such a ban will not be effective for that work.
4. The banning shall be for a minimum period of one year and shall be effective for the concerned Subsidiary for the tenders invited at Subsidiary level. Similarly, in case of tenders of CIL HQ, banning shall be for CIL HQ. However, if such 'Banning of Business' has to be made effective for entire CIL and its Subsidiaries then approval of Chairman, CIL shall be required.
5. Once a contracting entity is banned, it shall be extended to the constituents of that entity, all partners in case of Joint Venture, all the partners in case of Partnership Firm, owner/proprietor in case of Proprietorship Firm and all the Directors in case of Limited Company. If such banned owner/Proprietor/ Partner/Director make/form different Firms/entity and attempts to participate in tenders, the same will not be entertained during the currency of such banning.
6. The above 'Banning of Business' shall be in addition to other penal provisions of NIT/Contract document.
7. **Approving Authority:** The 'Banning of Business' of a contracting entity shall be done with the approval of the Competent Authority as per the details below:

- a) In case the Accepting Authority of the work is Board or Empowered Committee or FDs or CMD of CIL/Subsidiary Company, then the Competent Authority for banning shall be CMD of CIL/Subsidiary Company.
 - b) In case the Accepting Authority of the work is up to the level of Director of CIL/Subsidiary Company, then the Competent Authority for banning shall be Director of CIL/Subsidiary Company.
8. Appellate Authority shall be one Rank higher than the Competent Authority meant for 'Banning of Business'. In case the banning is done with the approval of CMD of the Subsidiary Company then Chairman, CIL shall be the Appellate authority.
9. Any change on the above may be done with approval of FDs of CIL.
10. All the orders of banning or orders passed in appeal shall be marked to GM(CMC) / Civil / concerned HODs of CIL/Subsidiary Company. Further, all such orders will be uploaded in Coal India site as well website of the Subsidiary Company.
11. Efforts shall be made by the concerned Department so that such order is linked to e-tender portal of Coal India Limited.

SECTION – V

Technical Specifications
&
Scope of the work.

TECHNICAL SPECIFICATIONS

Item no: 01 Network Video Recorder

1. IP Camera Input: 64 Channel
2. Operating system: Embedded LINUX
3. Two way talk: 1 channel Input, 1 channel output, RCA
4. User Interface: GUI
5. Video Output: 2 HDMI (1 HDMI upto 3840X2160, different source), 1 VGA
6. Compression: Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
7. Video Resolution: 3840X2160, 1920X1080, 1280X1024, 1280X720, 1024X768
8. Video Recording: Max 320Mbps
9. Video Display Split: 1st screen: 16CH:1/4/8/9/16,32CH:1/4/8/9/16/25/36,64 CH:1/4/8/9/16/25/36, 2ND Screen:1/4/8/9/16
10. Motion Detection: MD Zones:396(22X18)
11. Video loss: Supports
12. Camera Blank: Supports
13. Alarm Input : 16 Channel, Low Level Effective, Green Terminal interface
14. Alarm Output: 6 Channel, NO/NC Programmable, Green Terminal interface
15. Hard Disk : 4 SATA III Ports up to 32TB, 1 eSATA port
16. Smart Phone: Iphone, iPad, Android phone
17. Trigger Events : Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
18. Recording Mode: Manual, Schedule (Regular(continuous), MD, Alarm), Stop
19. Search Mode : Time/Date, Alarm, MD and Exact search (accurate to second)
20. Playback :Play, Pause, Stop, Rewind, fast play, Slow Play, Next file, previous file, Next Camera Previous camera, Full screen, Repeat shuffle, Backup selection, Digital zoom
21. Backup Mode :USB Device/network/eSATA Device
22. Interface Ports: 2 HDMI, 1 VGA, 3 USB(2 Rear USB 3.0, 1 Front USB 2.0), 1 RS485, 1 RS232
23. Max User Account: 128 Users
24. Record Interval: 1~120 min (default:60 min), pre-record: 1~30 sec, Post record: 10~300 sec
25. Ethernet: 2 RJ-45 Ports (10/100/1000 Mbps)
26. Protocols : HTTP,TCP/IP,IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP search, P2P, ONVIF 2.4, CGI Conformant
27. Power Supply: Single phase AC 100-240V, 50/60 Hz

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 02: ANPR Camera (2 MP Number Plate Recognition)

1. Image Sensor: 1/2.8" Progressive Scan CMOS or better
2. Lens Type:8- 32 mm, Automatic focusing & Motorized Zoom Lens
3. Resolution:2 MP (1920 x 1080)
4. Main Stream: 50fps (1920x 1080, 1280x960, 1280x720)
5. Max. Frame Rate : 60fps (1920x 1080, 1280x960, 1280x720)
6. Minimum Illumination: 0.005 lux @ (AGC On without IR), 0 Lux with IR
7. IR Distance: 50 m or better
8. Electronic Shutter Speed: 1s- 1/100.000s
9. Noise Reduction:3D DNR

10. Edge Base Storage: Min. 128 GB SD/SDHC/SDXC card
11. Video Compression: H.264/MPEG4/MJPEG
12. WDR: Min. 120 DB
13. Video Streaming: Triple video streams
14. Supported Protocols: TCP/IP, UDP, HTTP,HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, IPv6
15. Standard : ONVIF PROFILES
16. Iris control: DC drive
17. Defog : Yes
18. EIS support : Yes
19. Backlight Compensation: should support BLC feature
20. Region of Interest : should support ROI
21. Day & Night: IR cut filter with auto switch
22. Day/,Night switch: Auto/Schedule
23. Network interface : 1 x RJ45 10M/100M Ethernet interface
24. Alarm: Alarm In-I Ch. IN. Alarm Out-I Ch. OUT
25. Security : User Authentication, Watermark, IP address filtering, Anonymous access
26. Alarm Trigger: Tampering alarm, Motion detection, Network disconnect, IP address conflict.
27. Storage exception
28. Capture & Recognize: Vehicle number plate
29. Image Setting: Rotate Mode, Saturation. Brightness, Contrast and Sharpness adjustable by
30. client software or web browser
31. Temperature: 0 deg C to 60 deg C
32. Relative Humidity: 10p to 90% RH (non-condensing) or better
33. Ingression Protection: IP 66 or better
34. Power Supply: 2V/24V DC/AC and PoE
35. Certificates : UL+FCC+CE

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 03: IR PTZ Camera including power supply 150 mtrs

1. Image Sensor : 1/ 2.8" or better Progressive Scan CMOS
2. Optical Zoom: 20X or better
3. Resolution: 2MP (1920 x 1080) at 25 FPS or better
4. Electronic Shutter: 1 s to 1/10000 s
5. PAN travel : 360 deg endless
6. Tilt Angle:0 deg—90 deg or better
7. IR Range :Min 150 m
8. Preset: Min. 250 preset positions
9. Minimum illumination: Color: 0.05 lux or better
10. Noise Reduction:3D DNR/IDNR
11. Edge Base Storage :Min. 128 GB SD/SDHC/SDXC card
12. Iris : Auto
13. Video Compression :H-265, H.264/MJPEG or better
14. Video Streaming : Triple compressed stream (Individually Configurable)
15. Supported Protocols:IPV4, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DHCP, UPnP, RTSP, RTP, SNMP,IGMP
16. Standards: ONVIF Profile S Compliant
17. Auto Gain Control: Yes
18. Back Light Compensation: Yes

19. Region of interest : Yes
20. Day and Night : Support ICR
21. Smart Features: Intrusion Detection, Line Crossing Detection, Motion Detection, Tampering alarm, Face Detection
22. Network interface: 10/100 base Tx Ethernet
23. Alarm : Alarm In-1 Ch. IN, Alarm Out-1 Ch. OUT
24. Defog: Yes
25. Security: User Authentication. Ip Address filtering
26. Remote Administration: Remote configuration and status using .web based tool
27. System Update : Remote system update over Network using web client
28. Simultaneous connection: Upto 20 User
29. Privacy zones: 8 or higher
30. Operational Temperature : 0 deg C to 60 deg C
31. Relative Humidity : Up to 90% RH (non-condensing.) or better
32. Ingression Protection: IP66 or better, IK 10 or better
33. Power Supply : 12V/24V DC/AC and PoE
34. Certificates: UL+FCC+CE

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 04: IR PTZ Camera including power supply 100 mtrs

1. Image Sensor : 1/ 2.8" or better Progressive Scan CMOS
2. Optical Zoom: 20X or better
3. Resolution: 2MP (1920 x 1080) at 25 FPS or better
4. Electronic Shutter: 1 s to 1/10000 s
5. PAN travel : 360 deg endless
6. Tilt Angle:0 deg—90 deg or better
7. IR Range :Min 100 m
8. Preset: Min. 250 preset positions
9. Minimum illumination: Color: 0.05 lux or better
10. Noise Reduction:3D DNR/IDNR
11. Edge Base Storage :Min. 128 GB SD/SDHC/SDXC card
12. Iris : Auto
13. Video Compression :H-265, H.264/MJPEG
14. Video Streaming : Triple compressed stream (Individually Configurable)
15. Supported Protocols:IPV4, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DHCP, UPnP, RTSP, RTP, SNMP,IGMP
16. Standards: ONVIF Profile S Compliant
17. Auto Gain Control: Yes
18. Back Light Compensation: Yes
19. Region of interest : Yes
20. Day and Night : Support ICR
21. Smart Features: Intrusion Detection, Line Crossing Detection, Motion Detection, Tampering alarm, Face Detection
22. Network interface: 10/100 base Tx Ethernet
23. Alarm : Alarm In-1 Ch. IN, Alarm Out-1 Ch. OUT
24. Defog: Yes
25. Security: User Authentication. Ip Address filtering
26. Remote Administration: Remote configuration and status using .web based tool
27. System Update : Remote system update over Network using web client
28. Simultaneous connection: Upto 20 User
29. Privacy zones: 8 or higher
30. Operational Temperature : 0 deg C to 60 deg C

31. Relative Humidity : Up to 90% RH (non-condensing.) or better
32. Ingression Protection: IP66 or better, IK 10 or better
33. Power Supply : 12V/24V DC/AC and PoE
34. Certificates: UL+FCC+CE

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 05: Bullet Camera (Indoor/Outdoor):

1. Image Sensor: 1/2.8" or better progressive Scan CMOS
2. Lens Type: Motorized Varifocal (3 to 9 mm or better).
3. Resolution: 2 MP (1920 x 1080p) at 25fps or better
4. Minimum Illumination: 0.005 lux (Color) or better, 0 lux (IR LEDs on)
5. IR distance: Min 50 m
6. Electronic Shutter Speed: 1 s to 1/1,00,000 s or better
7. Noise Reduction: 3D DNR/IDNR
8. Edge Base Storage: Min. 128 GB SD/SDHC/SDXC card
9. Video Compression: H.265,H.264/MJPEG
10. WDR: Min. 120 dB (True WDR)
11. Video Streaming: Min. Triple compressed stream (Individually Configurable)
12. Supported Protocols: IPv4/Pv6, HTTP, HTTPS, TCP, UDP, UPnP, NTP, DNS. FTP, IGMP, RTP RTSP, SNMP, DHCP, SMTP,ICMP, QoS , 802.1x, DDNS
13. Standards: ONVIF Profile s Compliant
14. Auto Gain Control: Yes
15. Back Light Compensation: yes
16. Region of interest: yes
17. Day and Night: IR cut filter with auto switch
18. Network Interlace: 10/100 base Tx Ethernet
19. Alarm: Alarm In-1 Ch. 1N, Alarm Out-1 Ch. OUT
20. Smart features: Line crossing detection. Intrusion detection, Motion detection, tampering, Face detection etc
21. Security: IP address conflict. Illegal login
22. Operational Temperature: 0 deg Centigrade to 60 deg Centigrade
23. Relative Humidity- Upto 90% RH (non-condensing) or better
24. Ingression protection: IP66 or better IK10 or better
25. Power Supply: 12V/24V DC/AC and PoE
26. Certificates: UL+FCC+CE

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 06: IP Dome Camera (2Mp Network IR Dome Camera):

1. Image Sensor:1/2.8", progressive Scan CMOS or better
2. Lens life: Motorized Varifocal (3 to 9 mm or better)
3. Resolution: 2MP (1920 x 1080) at 25 FPS or better
4. Minimum Illumination: Color 0.005 lux (Color), 0 lux (IR LEDS on) or better
5. IR Distance: Min. 25 m
6. Electronic Shutter Speed: 1 s to 1/100,000 s or better
7. Noise Resolution: 3D DNR
8. Edge Base Storage: Min. 128 GB SD/SDHC/SDXC card

9. Video Compression: H.265, H.264/MJPEG
10. WDR: Min. 120 dB (True WDR)
11. Video Streaming: Triple compressed stream (Individually Configurable)
12. Supported Protocols: TCP, HTTP, RTP, RTSP, SNMP, IPv6, FTP, NTP, DHCP, RTP, SMTP, UPnP, ICMP, IGMP, QoS, 802.1x, DNS, DDNS, HTTPS
13. Standards: ONVIF Profile S Compliant
14. Auto Gain Control: Yes
15. Back Light Compensation: Yes
16. Region of interest: Yes
17. Day and Night: Support ICR
18. Network Interface: 10/ 100 base Tx Ethernet
19. Alarm: Alarm In-1 Ch. IN. Alarm Out-1 Ch. OUT
20. Smart features: Line crossing detection, Intrusion detection, Motion detection, tampering, face Detection etc
21. Security: IP address conflict, illegal login
22. Operational Temperature: 0 Deg C to 60 Deg C
23. Relative Humidity: Upto 90 RH (non-condensing) or better
24. Ingression Protection: IP66 or better, IK10 or better
25. Power Supply: 12V/24V DC/AC and PoE
26. Certificates: UL+FCC+CE

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 07: 10 Port Fast Ethernet Switch with 8 PoE & 2 Port

1. Switch capacity: 5.6Gbps
2. Packing forward rate : 4.17 Mpps
3. MAC address list : 16K
4. Ethernet Port : 8X 10/100Mbps PoE ports, 2X 10/100/1000Mbps ports
5. Packet Buffer: 4 Mb
6. PoE Power consumption: Port1<=60W, Port2-8<=30W, Total<=96W
7. PoE Protocol : IEEE802.3af(PoE), IEEE802.3at(PoE+), Hi-PoE
8. Lightning Protection : Common Mode 2KV differential Mode 0.5KV
9. Power source : DC 48-57V power adapter
10. Operating temperature : -10 deg centigrade to +55 deg centigrade
11. Flow Control : Enable by default
12. Humidity : 10% to 90% (Non condensing)

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 08: 08 Port Fast Ethernet PoE Switch

1. Network ports : 8 10/100/1000 Mbps PoE RJ 45 port (port 1 to port 8)
2 10/100/1000Mbps non-PoE RJ 45 port (Port 9 to Port 10)
2. Transfer rate : 1000Mbps full Duplex
3. Network Protocol and standard : IEEE802.3i, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3af, IEEE802.3at
4. Performance : Bandwidth-20Gbps(no block)
5. Frame filtering and transmission rate: 10M port maximum 14,800pps, 100M port maximum 1,48,800pps, 1000M port maximum 14,88,000pps
6. LED indicator : Power, RESV, Link/Act
7. PoE Pin: 1/2/4/5(+), 3/6/7/8(-)
8. Power Source: Max. output power single port:30W, Max power supply: 96W

9. Operating temperature : 0 deg centigrade to 40 deg centigrade
10. Humidity: 10% to 90% (Non condensing)

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 09: 10 Port Gigabit PoE Switch

11. Network ports : 8 10/100/1000 Mbps PoE RJ 45 port (port 1 to port 8)
2 10/100/1000Mbps non-PoE RJ 45 port (Port 9 to Port 10)
12. Transfer rate : 1000Mbps full Duplex
13. Network Protocol and standard : IEEE802.3i, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3af, IEEE802.3at
14. Performance : Bandwidth-20Gbps(no block)
15. Frame filtering and transmission rate: 10M port maximum 14,800pps, 100M port maximum 1,48,800pps, 1000M port maximum 14,88,000pps
16. LED indicator : Power, RESV, Link/Act
17. PoE Pin: 1/2/4/5(+), 3/6/7/8(-)
18. Power Source: Max. output power single port:30W, Max power supply: 96W
19. Operating temperature : 0 deg centigrade to 40 deg centigrade
20. Humidity: 10% to 90% (Non condensing)

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 10: HDD 6X4 TB for 20 Days recording for 40 Cameras

1. Capacity upto 14TB
2. Support for upto 64 Cameras per drive
3. All Frame TM technology
4. Upto 16 AI channels for deep learning analytics on AI-enabled NVRs (8TB, 10TB, 12TB & 14 TB capacities)
5. MTBF of upto 1.5 million hours
6. Warranty: 03 year
7. Interface SATA 6Gb/s, Form factor 3.5 Inch, Performance Class 5400/7200 RP Class, Capacities 1TB to 14TB

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 11: Outdoor CAT 6 Cable

1. Type: An outside plant Category 6 4 Pair U/UTP cable. A HDPE compound insulates the cores
2. with a IEC 60332-1 complied LSoH inner jacket and UV resistant heavy duty FR PVC Black outer
3. Sheath. The rugged construction of this cable makes it ideal for outdoor installations
4. Jacket Primary Insulation: HDPE, Sheath Type: Inner: LSoH, Outer: FR PVC (UV) Black
5. Mechanical Characteristics : Conductor Size: Solid 0.58 23 AWG Bare Solid Copper
6. nominal OD.: Overall: 10.3mm operating Temperature: -40 deg centigrade to 70 deg Centigrade
7. ROHS/ELV Compliant

8. Standard : Cat 6 ANSI/TIA/EIA-568-C.2,UL listed

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 12: RJ 45 Connector

1. RJ45 modular plug supports 4 twisted pairs, 8 positions, 8 connectors of 100pcs/Pack.
2. Housing: PC, UL94V-2, transparent color
3. Contact terminal: Copper Alloy
4. Finished: 03MU micro-inch gold plating
5. Operating Temperature: -40 deg centigrade to 80 deg Centigrade
6. Use for 24-26 AWG stranded wires, meet wiring scheme T568A/T568B

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 13: 6U DVR/NVR Network Rack for Control Room

1. DVR walls Mount is specially designed to safeguard our DVRs/NVRs from theft
2. Basic frame: CRCA (MS Sheet) 0.8mm thick
3. Construction: Welded
4. Top & Bottom cover: 2 Fan provision with ventilation along with cable entry cut-outs.
5. Front Door: Lockable toughened/ Clear glass with lock & key
6. Toughened glass used as an excellent thief deterrent
7. Adjustable 19" equipment mounting verticals provided with depth adjustable slots.
8. Standard finish: Powder coated.
9. Grey Color-fits in well with all indoor/outdoor aesthetics.
10. Differentiator quality.
11. Industry leading design.

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 14: 4U Pole Mount Rack for Outdoor Switches

1. Racks are 2/4 Fan, Equipment Shelf, Cable managers, Pole mount kit, Fresh air suction filters, Cable Entry PG Glands, Single/Dual locks with Pad lock provision for additional security.
2. To make these smart city junction boxes more smarter we can add remote monitoring, Door access notifications, GSM based alarm are optional and as per requirement of projects or user.
3. Please note: Enclosures with IP65 and IP66 protection rating have different specifications.
4. The enclosures also have Thermostat controlled cooling fans and LED light on door opening

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 15: HDMI Cable 5 Mtr & 15 Mtr

1. High quality HDMI Cables.
2. High performance 1.4 14+1
3. Upto 4K resolution support
4. PVC with Nylon Braided Jacket
5. 3D support for immersive movies and gaming.
6. DTS Dolby Digital Audio support
7. Dynamic synchronization of video and audio streams

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 16: UPS for switch Backup

1. Microprocessor control guarantees high reliability
2. Capacity: 01 KVA or above
3. Equipped with Boost and Buck AVR
4. DC start function
5. Auto restart while AC recovery
6. Compact size, light weight
7. Provides AC Overload protection
8. Backup power: Protects computers from sudden power loss with the backup battery and provides sufficient time to save valuable files as well as shut down the system safely.
9. Voltage Stabilizer: Protects computer from blackouts, sags and other voltage irregularities.
10. User friendly: Automatic line-to-battery switchover and comprehensive display eases operations

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 17: Monitor 55" for Control Room

1. Screen size: 139.7cm (55")
2. Backlight Type: Trident
3. Resolution: 3840X2160 (4K UHD)
4. Brightness(cd/m²): 500
5. Viewing Angle Degree : 178X178
6. Function: USB cloning, WOL (Magic Packet Only), SNMP, Diagnostics, SI Compatible, HDMI-CEC(1.4), HTNG-CEC(1.4), IR Out, Multi IR Code, Auto Off/Sleep Timer, Smart Energy Saving, Motion Eye Care
7. Set side
8. HDMI In 2.0(2), USB 2.0, CI slot
9. Set Rear, RF In, Digital audio out (Optical), HDMI/HDCP Input 2.0, RS-232C (Control & Services), Headphone Out, RJ (Ethernet), Debug (Phone jack type)
10. VESA Compatible
11. Voltage, Hz: 100 – 240 V, 50/60 Hz

Note - Higher (Better) Specification of any parameter shall be acceptable

Item no: 18 & 19: USB Extender & HDMI Splitter for control room.

1. Where USB 2.0 is listed, USB 1.1 is also supported. USB 3.0 extenders are not backward compatible.
2. Specified category cabling is a minimum requirement : Higher grades are supported (e.g Cat 6, cat 7)
3. 100m or more shall be achievable when using USB 3.0 bulk traffic cameras; 50m with storage type USB 3.0 devices
4. Either the LEX or REX can use a power adapter
5. Upto 40 shall be achievable for all USB devices; 85m is achievable for most low powered HID USB devices.
6. Extender provides HDMI uncompressed HD video and USB 2.0 upto 100 meters over a single Cat5e/6/7 cable.
7. Being HDMI/HDCP compliant, HDMI video features such as 1080p, 4K, Deep color and CEC/HDCP pass-through.

Note - Higher (Better) Specification of any parameter shall be acceptable.

SCOPE OF THE WORK

- The scope of work of the subject work is to supply, installation, testing, commissioning, and comprehensive AMC for four years after standard warranty period of one year.
- Integration of the complete IP surveillance system along with establishment of LAN as a backbone network.
- Overview of CCTV project layout for all cameras to be installed is given in Location plan in ANNEXURE-I
- The List of locations and type of cameras to be installed is given in ANNEXURE-II
- The System will function round the Clock (24 x 7) on all days.
- All the Cameras shall be IP Based, suitable for Day and Night surveillance and Network Video Recorder (NVR) & other items compatible.
- Manufacturer's Brochures containing user's manual, technical specification and regulatory Certificates (UL, FCC & CE) shall be submitted for all the major equipment's (Camera, NVR, Switch & Cable) before its installation.
- Bidder has to provide after sales service at installation site in Singrauli (M.P.).
- Camera/NVR shall have features such as Line crossing detection, Intrusion detection, Motion detection, Tampering, Face detection etc.
- Video Management Software (VMS) for complete system with minimum 05 Nos. of Client Licenses.
- NVR will be placed at the E&M Department Server room with display unit/monitor at Security surveillance room at RI VI Office Building in CMPDI or shifting/relocation of display unit/monitor will be decided during the execution of work by EIC.
- Power supply source to the camera and other outdoor & indoor equipment at site will be drawn from the available UPS power source provided by CMPDI.
- All cameras shall be housed in IP66 Casings or equivalent. All housings shall be of the same make as that of the camera.
- All the major equipment (Camera, NVR, Switch, Cables and Racks) should be of STANDARD/ Reputed MAKE and must be approved by the Engineer in charge before its installation. Bidder must ensure all network Switches and their respective modules should be from the same OEM and all Passive Material should be of Same Make preferably.
- All Items installed Outdoor should be sufficiently robust and should be suitably corrosion resistant and weather tolerant.
- Mounting of Adaptors for Cameras from Roof/wall/Corner pole etc. should be of appropriate types with high flexibility for adjustment of viewing and ensuring best possible views. The adaptors and other accessories should be of standard quality.
- Aesthetics, proper finishing, Maintainability and longevity aspects are of vital importance and should be duly taken care of during installation.
- All wiring/cabling/terminations/ patches must follow EIA/TIA standards wherever applicable. All cabling should have proper non-perishable identification at the terminals for easy tracing. Proper documentation with diagram should be made for all wiring/cabling/terminations are submitted to this office. All indoor wirings/cablings should be properly secured, duly terminated, easily maintainable, aesthetically sound.
- Architecture of the system should be fully modular and should have the flexibility in a manner to enable the complete system to be gradually enhanced and enlarged according to the future requirement, safety and security requirements of respective location.
- The overall CCTV surveillance / solution system shall conform to the ONVIF (Open Network Video interface Forum) specification, which guarantees interoperability between network video products regardless of manufacturer.
- Alarm/Alert Facility shall be available in the system at control room in case of any device failure/tampering.
- The system shall be capable to support Video Analytics features in future as and when required.
- Sufficient training on system operation & maintenance to staff at the site may be provided by contractor.

- All the associated software offered by the vendor must abide by the IT ACT and IPR regulations.
- All digging of CAT 6 route and subsequent laying of CAT 6 must be done as per instruction of Engineer I/C. This includes the depth of trench and refilling the same with rectification of paver block/road cutting trenches to restore its original/aesthetic look (If applicable).
- A minimum of 20 Days recording will be done at NVR at RI-6 Office/Local Storage.
- Status of all cameras includes connected Cameras, disconnected Cameras along with corresponding locations will be available at command and control software.
- However, any additional item, accessories and related jobs necessary for completion of the installation as per scope of work, will be presumed as included even if not specifically mentioned in BOQ/NIT, and the successful bidder will provide them without any extra cost.
- All the cameras, Switches, Displays etc. should be in the product line of the respective OEM/developer and should not be obsolete, discontinued, end of sale, end of life or stoppage of service support for the product.
- All items (e.g. cameras, NVR LAN/Network switch, Display etc.) should be supplied with suitable accessories including required cords for power supply and Network Connection, Fixing/Placement Arrangement etc. as applicable, even if the same are not specifically mentioned in BOQ/NIT.
- The successful bidder will arrange for all tools/tackles, testing instruments, software etc. required for installation and testing of the system.
- System should be fully ready in all respect at the time of hand over to CMPDIL after installation, commissioning and testing.

Details of Comprehensive Annual Maintenance Contract (CAMC)

Scope of work as well as Terms & Conditions of the comprehensive annual maintenance contract:

A i) The contractor shall engage trained and qualified technicians for complete installation, commissioning & testing of the CCTV cameras/work station/ NVR and other accessories with its network.

ii) The contractor shall also engage experienced & authorized engineer / manager for periodic Supervision of the overall maintenance job (Including the periodic preventive maintenance) to ensure safe and smooth operation of system during the maintenance period.

B. Periodic and systematic checking, cleaning as per standard check-list (as provided by OEM) shall be carried out by the contractor for the safe and trouble free operation for the entire network and cameras etc.

C. i) Brief description and quantity of the items, to be replaced by the contractor during the service and maintenance of system shall be recorded by the contractor in the service reports/breakdown reports, indicating the date and time of replacement of the same.

ii) The contractor shall not modify any portion of the existing network / cameras / other accessories without the prior approval of RI VI, CMPDI. The same should be mentioned in the service record.

iii) The contractor shall ensure the availability of all the critical items/ components/ cameras so that urgent maintenance/ replacement job can be carried out in very short time.

iv) Service report or breakdown report shall be maintained by contractor shall be kept in the control room or at the safe custody of EIC of RI VI, CMPDI.

D. The overall servicing and preventive maintenance of network in totality shall be done by contractor at least once in a month.

E i) The contractor shall immediately attend the emergency call back services on receipt of any report of non-operation /malfunctions/ total breakdown of the system within 48 hours of complaint.

ii) The contractor shall provide Services on Holidays also, as and when required.

F. RESPONSE TIME

i) All faults reported to the contractor or their authorized representative, shall be attended and rectified within 48 hrs of reporting. For faults rectified within 48 hours of reporting the same, no deduction of CAMC charges will be applicable. Faults if not rectified within 48 hours of reporting the same, the deduction of CAMC charges will be done, for the complete period of breakdown, as mentioned below:

A (CAMC value per annum per camera) = Total CAMC value per annum ÷ Total no. of cameras.

B (CAMC value per day per camera) = A ÷ 365

Break down days for each camera = No. of Breakdown hours ÷ 24.

(For 12 hour or more, break down period will be taken as one complete day)

Deduction for breakdown:

P_1 (Penalty for 1st camera) = B X No. of break down days of 1st camera.

P_2 for 2nd camera, P_3 for 3rd camera..... P_n for nth camera

P (Total deduction for Penalty) = $P_1 + P_2 + P_3 + \dots + P_n$

- ii) Camera will be considered as break down if the video footage from the camera cannot be viewed in the control room or non- recorded in the NVR. The System will be considered under breakdown.
- iii) In case NVR is breakdown, all cameras will be deemed as non-working and counts for penalty on all camera.
- iv) The down time means the period calculated between the date & time of reporting of any fault / break down of system to the contractor and the date & time of restoration of normal operation by the contractor.

G. SAFETY

The contractor shall be solely responsible for any accidental events / injury of the system users as well as for any damage of the materials being carried through the systems, due to the failure of the devices and /or malfunctioning of the Controllers/Devices etc or any other failure due to lack of proper regular maintenance / periodic preventive maintenance, supervision etc of the contractor.

If any accidental events / injury of system users or any damage of the materials-being carried through the system occur, during the contract period including AMC on account of any of the aforesaid failures, sole responsibility shall be borne by the contractor and appropriate compensation, as deemed fit, shall be provided by the contractor to the affected victim /owner of the damaged material within a reasonable time frame.

H. The bidder will renew and update all Software licenses (antivirus, camera licenses, and any other licenses) installed in the CCTV System, during the entire tenure of the CAMC period.

I. In case of unsatisfactory performance of CAMC, CMPDI reserves the right to terminate the CAMC contract by giving one month notice to the contractor.

J. At the end of the CAMC period the bidder will hand over the system in full working order.

K. Theft of items, physical damage, non-functioning of items due to act of GOD will not be covered under CAMC.

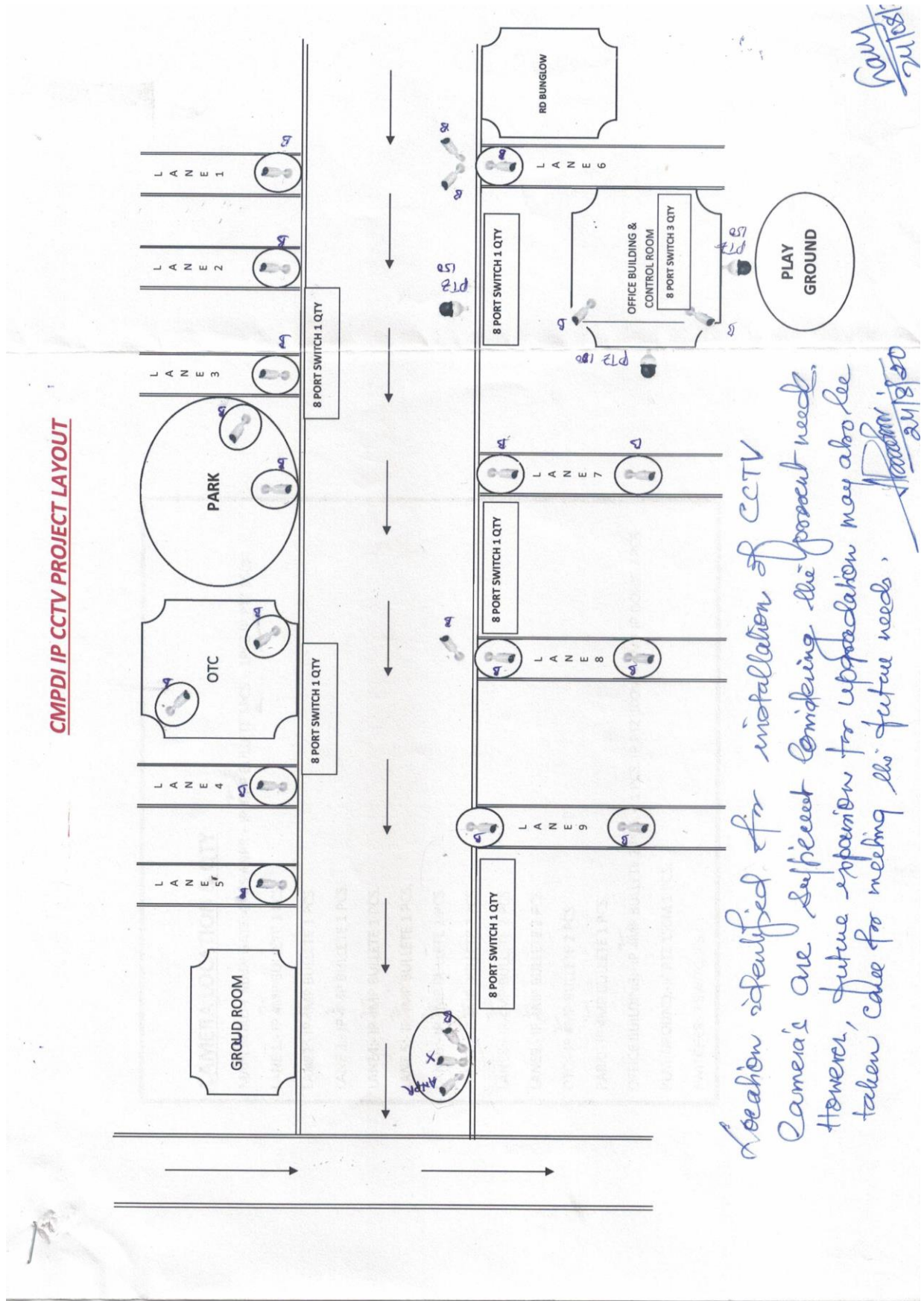
Special terms and conditions:

1. Total Contact period will be 60 months (12 months + 48 months) i.e. warranty period of 12 months plus extended warranty period (48 months of CAMC).
2. The Quoted rate shall be inclusive of the completed work including supplying, installation, commissioning of the CCTV Camera system with required civil, Electrical work in all respect plus Comprehensive AMC charges for Four (04) years after one (01) year warranty. Rate should be quoted accordingly.
3. Out of total quoted amount, 25% will be considered as CAMC charges and remaining 75% will be considered as charges for supply, installation, commissioning & testing of CCTV system. CAMC charges will be paid quarterly on equated basis i.e. total CAMC value divided by 16.
4. Release of performance of security (3%) & retention money (5%) to the party will be done after successful completion of CAMC period including warranty i.e. 60 Months.

Submission of Invoices:

1. For Supply, Installation and Commissioning:
The invoice for supply, Installation and commissioning of the system shall be submitted by the successful bidder after issue of System Acceptance/Work completion certificate from Engineer-In-charge of CMPDI. The invoice shall be submitted to HOD (E&M) and payment will be processed after that.
2. For CAMC:
The invoice for CAMC of the complete system shall be submitted by the party to HOD (E&M) after end of each quarter of service during CAMC period after one year warranty period.

Location Plan



Annexure-II

Details of camera locations, type of cameras, quantification in RI VI Township and office establishment are tabulated below:

S.No	Location at RI VI	Type of camera	Qty (Nos)
1	In front of office building	PTZ camera 100 Mts	01
2	Top of the office building facing towards ground (01 No) & Outside office gate (01 No)	PTZ camera 150 Mts	02
3	In front of biometric machines (02 Nos), In front of Lifts (04 Nos), Office entrance (01 no)	Dome camera 30 Mts	07
4	Officers' quarters lane (05 lanes X one per each), Staff quarters lane (03 lanes X two per each), lane towards ground (01 No) Children's park (01 no), OTC (02 Nos), Main road (Colony gate to RD bungalow) (05 Nos) & Office building outside (02 Nos)	IP bullet camera 60 Mts	22
5	Colony main gate entrance for Automatic name plate recognition Camera	ANPR camera	01
Total=			33