



# **TECHNICAL – BID**

**e-TENDER NO. 009/17-18**

**FOR**

**SUPPLY, INSTALLATION & COMMISSIONING OF**

**30 MTR. HIGH MAST TOWERS**

**AT LIGNITE PROJECT, MATA NO MADH**

**TAL:LAKHPAT, DIST: KUTCH**

**GUJARAT**

**PURCHASE DEPARTMENT  
GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED  
(A Govt. of Gujarat Enterprise)**

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"Khanij Bhavan", 132 Ft. Ring Road, Nr. University Ground, Vastrapur, Ahmedabad-380052.

**Phone:** 079-27910933(D)/27913200/3501/0665/1662 **Fax:** 079-27913891/1454

**E-mail:** [purchase@gmdcltd.com](mailto:purchase@gmdcltd.com) **Website:** <http://www.gmdcltd.com>



### e-Tender No. 009/17-18

Item Description	Supply, Installation and Commissioning of 30 Meter High Mast Tower at our Lignite Project MATA NO MADH, Kutch-Gujarat (see form- D)
Quantity	02 Nos.- 30 Meter High Mast Tower
Place of work	Lignite Project, MATA NO MADH Dist: Kutch. Tal: Lakhpat Gujarat
Tender Fee (Non-refundable)	<b>Rs. 1000 (One thousand) payable</b> in cash or by Demand Draft favoring “GMDC Ltd.” payable at Ahmedabad.
EMD	<b>Rs. 30,000/- (Thirty thousand only )</b> if form of DD in favour of GMDC Ltd. payable at Ahmedabad from any Nationalised or scheduled banks (not being a cooperative Bank).
Late Delivery Penalty	0.5% per week subject to maximum 10%
Delivery	8 Weeks
Availability of Tender document	On web sites <a href="http://www.gmdcltd.com">www.gmdcltd.com</a> , <a href="http://www.statetenders.com">www.statetenders.com</a> and <a href="https://nprocure.com">https://nprocure.com</a>
Last Date & Time of downloading and on line submission of Bid.	24.10.2017 UPTO 12.00 Hours. <a href="https://nprocure.com">https://nprocure.com</a> only.
Last Date & Time of physical submission of Tender Fee, EMD & supporting documents	24.10.2017 Up 15.00 Hours at Corporate Office, Ahmedabad
Date & Time for on-line opening and viewing of preliminary bid.	24.10.2017 at 16.00 Hrs.
The corporation reserves its right to reject any or all tenders or split the job between more than one tenderer without assigning any reason thereof.	

**Instruction to Bidders for Online Tendering**

1. Tender documents are available only in electronic format which Bidders can download from the website [www.gmdcltd.com](http://www.gmdcltd.com) and <https://nprocure.com>
2. **All bids should be submitted online through the website <https://nprocure.com> only. No physical submission of price bid will be entertained as it should be furnished on-line only. Also no fax, e-mail, letters will be entertained for the same.**
3. Following should be submitted 'off-line' in sealed covers separately at our Corporate Office, Ahmedabad.

[1] Tender Fee, [2] E.M.D. [3] Supporting Documents for Technical Bid.

4. Bidders who wish to participate in online tenders will have to procure / should have legally valid Digital Certificate (Class III) (for signing and encryption) as per Information Technology Act, using which they can sign their electronic bids. Bidders can procure the same from any of the license certifying Authority of India or can contact (n)code solutions- a division of GNFC Limited, who are licensed Certifying Authority by Government of India at address mentioned below at clause 5..
5. All bids should be digitally signed. For details, regarding digital signature certificate and related training involved at the below mentioned address should be contacted:  
  
(n)Procure Cell  
(n)Code solutions A division of GNFC  
403, GNFC Info-Tower, Bodakdev,  
Ahmedabad- 380 054 (India)  
Tel : +91 26857316/17/18 Fax : +91 79 26857321  
Toll Free : 1800-233-1010  
E-mail: nprocure@gnvfc.net
6. Kindly take note that, valid Digital Signature Certificates is must for all the interested bidders. Online tendering process is not possible without valid digital signature certificate.
7. Interested bidders are also requested to complete their procedure for taking digital signature certificate in respect to filling of application form, supporting documents with necessary fees at least 3 days before last date of tender submission.
8. (n)code solutions reserves the rights to issue digital signature certificate after verification of application forms / supporting documents submitted by bidder. (n)code solutions is fully authorized to issue digital signature certificate to bidders.
9. All the bidders who have no facility to participate in on-line tenders are requested to contact (n)code solutions for the same.
10. Free vendor training camp will be organized every Saturday between 4.00 to 5.00 P.M. at (n) code solutions-A Division of GNFC Ltd., Bidders are requested to take benefit of the same (Advance Confirmation to (n)code is requested).
11. All the correspondence in respect to training, support or digital signature certificate should be addressed to (n) code solutions directly on the above mentioned address

## On Tenderer's Letter Head

REF. NO.:

DATE:

TO,

SR. GENERAL MANAGER (PURCHASE)  
M/S. GUJARAT MINERAL DEVELOPMENT CORPORATION LTD,  
"KHANIJ BHAVAN", 132, FT. RING ROAD,  
NR. UNIVERSITY GROUND, VASTRAPUR,  
AHMEDABAD-380 052.

**SUB.** :Tender Fee for e-Tender No.009/17-18 e-Tenders are invited from reputed Manufacturers/Authorized Dealers for Supply, Installation & Commissioning of 30 Mtr. High Mast Towers at Lignite Project, MATA NO MADH Gujarat)

DEAR SIR,

WITH REFERENCE TO THE ABOVE AND AS PER TERMS & CONDITIONS OF TENDER, WE ARE SENDING HEREWITH D.D. / PAY ORDER NO: \_\_\_\_\_ DATED \_\_\_\_\_ FOR **RS. 1000/-** DRAWN ON \_\_\_\_\_ BANK \_\_\_\_\_ BRANCH IN FAVOUR OF M/S. GUJARAT MINERAL DEVELOPMENT CORPORATION LTD., PAYABLE AT AHMEDABAD, BEING THE AMOUNT OF TENDER FEE.

KINDLY ACKNOWLEDGE THE RECEIPT AND SEND YOUR STAMPED RECEIPT FOR THE SAME.

THANKING YOU,

YOUR'S FAITHFULLY,

NAME, SIGNATURE & STAMP OF TENDERER

## On Tenderer's Letter Head

REF. NO.:

DATE:

TO,

SR. GENERAL MANAGER (PURCHASE)  
M/S. GUJARAT MINERAL DEVELOPMENT CORPORATION LTD,  
"KHANIJ BHAVAN", 132, FT. RING ROAD,  
NR. UNIVERSITY GROUND, VASTRAPUR,  
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**SUB. :Tender Fee** for e-Tender No.009/17-18 e-Tenders are invited from reputed Manufacturers/Authorized Dealers for Supply, Installation & Commissioning of 30 Mtr. High Mast Towers at Lignite Project, MATA NO MADH.(Gujarat).

DEAR SIR,

WITH REFERENCE TO THE ABOVE AND AS PER TERMS & CONDITIONS OF TENDER, WE ARE SENDING HEREWITH D.D./PAY ORDER/F.D/NSC/ NO: \_\_\_\_\_ DATED \_\_\_\_\_ FOR **RS. 30,000/-** DRAWN ON \_\_\_\_\_ BANK \_\_\_\_\_ BRANCH IN FAVOUR OF M/S. GUJARAT MINERAL DEVELOPMENT CORPORATION LTD. PAYABLE AT AHMEDABAD, BEING THE AMOUNT OF E.M.D.

KINDLY ACKNOWLEDGE THE RECEIPT AND SEND YOUR STAMPED RECEIPT FOR THE SAME.

THANKING YOU,

YOUR'S FAITHFULLY,

NAME, SIGNATURE & STAMP OF TENDERER

**On Tenderer's Letter Head**

**DECLARATION**

REF.NO:

DATE:

TO,

SR.GENERAL MANAGER (PURCHASE)  
M/S. GUJARAT MINERAL DEVELOPMENT CORPORATION LTD,  
"KHANIJ BHAVAN", 132, FT. RING ROAD,  
NR. UNIVERSITY GROUND, VASTRAPUR,  
AHMEDABAD-380 052.

DEAR SIR,

I / WE HEREBY SOLEMNLY DECLARE THAT ANY OF OUR PARTNERS JOINTLY OR SEVERALLY AND / OR INDIVIDUALLY OR OUR FIRM / COMPANY / ASSOCIATE COMPANY HAVE NOT BEEN BLACK LISTED BY THE CENTRAL GOVT. OR ANY STATE GOVT. OR ITS UNDERTAKING.

I / WE HERE BY FURTHER DECLARE THAT, IF THE ABOVE DECLARATION IS FOUND UNTRUE, G.M.D.C. LTD. SHALL BE ENTITLED TO TAKE ANY ACTION AGAINST US SEVERALLY AND / OR INDIVIDUALLY OR OUR FIRM / COMPANY IN THIS REGARD IN ANY MANNER AS MAY BE DEEMED FIT BY G.M.D.C.

THANKING YOU,

YOURS FAITHFULLY,

NAME, SIGANTURE & STAMP OF THE TENDERER.

**FORM –B****SUB: e-TENDER NO. 009/17-18****Details to be furnished by the tenderer.**

All the details about the description mentioned below is require to be furnished by the Tenderer to qualify in technical bid for e-Tender No.009/17-18 e-Tenders are invited from reputed Manufacturers/Authorized Dealers for Supply, Installation & Commissioning of 30 Meter High Mast Towers at Lignite Project, MATA NO MADH.

<b>SR. NO.</b>	<b>DESCRIPTION</b>	<b>DETAILS</b>
1	Name of the Tenderer with Full Address, Telephone Nos., Fax No., E-mail Address, Mobile No. etc. Please also provide details of nearest Branch Office if any.	
2	Whether the Tenderer is Manufacture or Authorized Dealer or Trader. If Authorized Dealer, please furnish certificate from their Principal.	
3	Whether the Tenderer is a Joint Stock Company, Hindu Undivided Family, Individual or a Registered Partnership Firm (attested copy of Deeds or Article of Association to be enclosed)	
4	Name of the person holding the power of attorney, if any (enclose attested copy of power of attorney)	
5	Name of the Partners / Directors with their present & permanent address and their liabilities in other firms, in which they are either employed or partners (enclose attested copy of partnership deed).	
6	Information of the similar working experience during last three years along with list of clients with address & phone numbers (copy of Min. 3 orders in last 3 years to be enclosed)...	
7	Value of the above job executed. (Please attach copy).	
8	Period of the above job executed.	
9	Name of bankers  Full Address  Telephone/Fax No.	
10	List of Machinery available in your works. (Please clearly specify the make &	

	capacity of machinery installed)													
11	Technical qualification and experience of the proprietor or partners and leading technical employees of the firm with detailed bio-data.													
12	Copy of P.F. code no. from RPFC office if applicable. Copy of the certificate may be provided.													
13	Whether registered vendor in any other Govt. Deptt. / Public U/T / Others. If yes, then furnish the details pertaining to class and the amount qualified to tender (please attach copy).													
14	Has the applicant or its partners or Directors been black-listed in past by any Govt. Deptt. Or any other body?													
05	Turnover/Net profit during last 3 years. (Audited annual report/CA certificate may be provided by vendor in this respect.)	<table border="1"> <thead> <tr> <th>Year</th> <th>Turn-Over</th> <th>Profit</th> </tr> </thead> <tbody> <tr> <td>2013-2014</td> <td></td> <td></td> </tr> <tr> <td>2014-2015</td> <td></td> <td></td> </tr> <tr> <td>2015-2016</td> <td></td> <td></td> </tr> </tbody> </table>	Year	Turn-Over	Profit	2013-2014			2014-2015			2015-2016		
Year	Turn-Over	Profit												
2013-2014														
2014-2015														
2015-2016														
16	Mention Technical Specifications with Make & Model offered by you.													
17	Technical Specifications & required testing accepted?													
18	Income Tax PAN No													
19	GSTIN No.													
20	Central Sales Tax / State Sales Tax No.	CST No. GST TIN No.												
21	Whether E.M.D. paid or not?	Yes / No												
22	Whether Penalty Term accepted?	Yes / No												
23	Whether Payment Term accepted?	Yes / No												
24	Whether Guarantee accepted?	Yes / No												
25	Whether Validity Clause accepted?	Yes / No												
26	Whether Delivery Period accepted?	Yes / No												

**NOTE:**

- (1) It is compulsory for the tenderer to furnish the details against each of above items and wherever it is not applicable, it may be mentioned so against the respective item.
- (2) Decision of the management regarding the qualifying / disqualifying the Tenderer shall be final and binding to the tenderer and no correspondence in this behalf will be entertained.

## **Instructions to Bidders / Tenderers**

### **A. General Instructions:**

1. Specification, quantity, unit, rate, taxes, duties, freight, insurance, packing, forwarding etc. should be mentioned separately and clearly.
2. Please indicate Rate/Unit and value both in figures and in words.
3. Quotation should be clear and legible. No correction, over-typing or over-writing shall be permitted in the Price Bid.
4. Tenderers are requested to return our drawings enclosed with enquiry issued along with quotation / regret letter.
5. Tenderers who submit their offers shall be deemed to have read, understood and accepted the terms & conditions of the tender.

### **B. General Terms & Conditions:**

#### **1. ELIGIBILITY CRITERIA**

Only proven manufacturers/Authorised Dealers/Distributors are entitled to quote. Authorised Dealers/Distributors will have to submit along with the offer, Dealership/Distributorship Certificate of their principal with date of appointment and validity signed by authorized signatory.

#### **2. The bidders will be satisfying the following condition:-**

They shall also have enough experience in supply and installation of similar masts till date. Proof for the experience shall be produced before issue of tender documents to the firm. Tenderers should have adequately qualified and experienced Engineers to carry out the job. A list of such people available with them shall be enclosed along with the offer.

#### **3. THE TENDER & THE OFFER:**

- a) It is a three-bid system. The bids are required to be submitted on line at <https://nprocure.com> by the date and time prescribed in the tender notice as under:

##### **Part – I Preliminary Bid**

- To be submitted online about the details of Tender fee and EMD.

##### **Part - II Technical bid**

- Technical bid documents i.e. forms are to be submitted on line. However, the documents required to be submitted in support of forms as well as tender fee and EMD in the desired form shall be placed in sealed cover super-scribed "TECHNICAL BID, Tender No. 009/17-18 and Name of work ", should be submitted separately at Corporate Office, Ahmedabad before stipulated time.

### **Part – III Price-bid**

- to be submitted **on line only** before the stipulated time.
- b) If the EMD and Tender fee are not found in the sealed technical bid document cover or if the amount thereof is found short, the tender will not be considered for scrutiny and will be out rightly rejected.**
- c) The Corporation reserves the right to reject any or all the tenders or split the work between more than one bidder without assigning any reason thereof.**

## **4. OPENING OF BIDS**

- a. E-tendering procedure is explained as above.
- b. Preliminary bids will be opened after verification of receipt of payment towards Tender fee and EMD. The bidders will able to view it on their computers on date and time notified in tender notice.
- c. On verification of the supporting documents, technical qualification of the bidders will be assessed. The successful bidders will be communicated the date and time of on line opening of price bids by fax or telephone or email or SMS. However, all the bidders will be able to view the price bids online on their computers.

## **5. CORRIGENDUM:**

Please note that there is no provision to take out the list of parties downloading the tender document from the above referred the websites. As such tenderers are requested to see the website once again before due date of tender opening of ensure that they have not missed any corrigendum uploaded against the said tender after downloading the tender document. The responsibility of downloading the related corrigenda, if any, will be that of the downloading parties.

No separate intimation in respect of corrigendum will be sent to tenders who down loaded the tender document from the website as information in this respect will not be available to website i.e. <https://nprocure.com> etc.

## **6. Earnest Money Deposit:**

- (a) A non-interest bearing Earnest Money Deposit of Rs. 30,000/- (Rupees Thirty thousand only) shall be paid along with the tender, enclosed with Technical Bid documents in seal cover super scribed "TECHNICAL BID", in form of
  1. DD in favour of GMDC Ltd. payable at Ahmedabad from any Nationalised or scheduled banks (not being a co-operative Bank), or

2. Call deposit receipt issued by Nationalized or IDBI, ICICI, Axis, HDFC banks only, duly pledged to GMDC or
3. National Savings Certificate / Fixed Deposit Receipts issued by a Post Office / Nationalised Bank or IDBI, ICICI, Axis, HDFC Banks only duly endorsed in favour of GMDC. or
4. Bank Guarantee, issued by a Nationalized or IDBI, ICICI, Axis, HDFC banks only in India valid for a period of not less than 3 (three) months beyond the proposed validity of bid.

Any pending dues against invoice or any other deposit lying with the Corporation will not be adjusted against Earnest Money Deposit Any tender submitted without Earnest Money shall be summarily rejected and no claim shall be entertained on such rejected tenders.

- (b) The unsuccessful bidders will be refunded the EMD amount by way of crossed cheque within 10 days of finalization of the tender.
- (c) The EMD of the successful bidders shall be refunded by way of crossed cheque on receipt of Performance Bank Guarantee amount as Stipulated in clause No. 21.
- (d) If the party does not accept the work order issued by G.M.D.C., then EMD amount paid by the bidder will be forfeited.

## 7. ~~Security Deposit:~~

~~The successful Tenderer need not require to submit security deposit as they will submit Performance Bank Guarantee before completion of work allotted site.~~

~~The successful Tenderer shall have to deposit Security Deposit @ 5% of the order value (Including EMD) within a fortnight after receipt of the order. (in the case of SSI Industries, 3% is applicable) by way of~~

- ~~1. DD in favour of GMDC Ltd. payable at Ahmedabad from any Nationalised or scheduled banks (not being a cooperative Bank), or~~
- ~~2. Call deposit receipt issued by Nationalised or IDBI, ICICI, Axis, HDFC banks only, duly pledged to GMDC or~~
- ~~3. National Savings Certificate / Fixed Deposit Receipts issued by a Post Office / Nationalised Bank or IDBI, ICICI, Axis, HDFC banks only duly endorsed in favour of GMDC. Or~~
- ~~4. Bank Guarantee, issued by a Nationalised or IDBI, ICICI, Axis, HDFC banks only in India valid for a period of not less than 3 (three) months beyond the proposed validity of bid.~~

~~If the successful Tenderer does not pay Security Deposit or does not supply the material as per our order or does not fulfill any of the terms & conditions of this tender, Earnest Money Deposit paid by such Tenderer shall be liable to be forfeited by the Corporation.~~

~~Security Deposit paid by the successful Tenderer shall be liable to be forfeited by the Corporation, if he is not able to supply the material in accordance with the terms & conditions and the Tenderer shall be liable to late supply of the material under this clause.~~

~~Security Deposit paid will be refunded within 60 days after the execution of the order satisfactorily.~~

~~Earnest Money / Security Deposit will not bear any interest.~~

**8. No Relaxation on EMD/SD.**

Unit registered with Govt. of Gujarat / National Small Industrial Corporation Ltd., As SSI Unit will not be exempted from paying Earnest Money Deposit / Security Deposit in any case. Cheque will not be accepted.

9. Specification & Technical details as given in the tender shall be clearly confirmed in the offer. In case any deviation is proposed, it shall be clearly highlighted. All other information required (technical) literature, leaflet, price list etc. should be furnished. However, the decision of the company regarding the acceptability of the deviation shall be final.

**10. PRICE:**

Bidders are requested to quote the rates strictly as per the terms and conditions mentioned in the Tender Document. Rate quoted by the Tenderer should be firm and no price increase will be allowed to the tenderer during the supply period. The tenderer should quote price only on free delivery at our Project basis. The rates other than (FOR project basis) (our project basis) will not be considered.

**11. Validity:**

Rate quoted shall remain valid for 120 days from the date of opening of the Technical-Bid, which shall have to be extended unconditionally for further maximum period of 30 days, as deem fit by the Corporation.

**12. Taxes, duties & levies:**

Bidders are requested to quote their GST number and date in the bid. Bid received from unregistered dealer will not be considered.

Bidders are requested to quote their rates without GST. GST will be paid/adjusted/reimbursed to the successful bidder as per prevailing rates & rules to the extent directly related to the service rendered or goods supplied by the successful bidder under the said contract subject to production of documentary proof and bidder will mention the GST amount separately in the invoice/bill along with SAC/HSN code under GST.

Bidders who are opting for composite scheme under GST are require to quote their rates inclusive of GST.

Financial Evaluation: L1 bidder will be decided after considering input tax Credit to be available to GMDC under GST.

**13. Delivery:**

- a) Within 8 weeks of date of work order issued.

- b) Timely delivery is the essence of the contract. In the event of supply not being effected within the contractual delivery schedule given in the order ,liquidated damages @ 0.5 % not by way of penalty , of the value of the materials without taxes and duties , per week of delay or part thereof , subject to a maximum of 10 % , is recoverable from the supplier without prejudice to the right of GMDC to procure the balance materials at the risk & cost of the Supplier.

NB:-

- [i] Liquidated damages to be levied shall be calculated on the Base Price on which order is placed. LD shall not be applicable on taxes and duties.
- [II] In the event of failure to supply the goods, or part thereof, within the contracted delivery period, GMDC reserves the right to cancel the contract, or part thereof, and if so desired, to purchase the balance quantity of goods from alternate source at the risk and cost of the defaulting supplier and recover the difference in the event of extra expenditure by GMDC.

**14. Invoice:**

Original invoice should be sent along with challan at Head Office and duplicate invoice should be sent at our project for our reference. (Please mention the Purchase Order No. in Invoice without fail).

**05. Approval:**

The material supplied will be subject to our approval and inspection at project premises. Our decision for acceptance or rejection of the goods will be final and binding on you.

**16. Transit Insurance:**

The material supplied under the contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery to destination. Insurance is to be provided by the supplier at his cost.

**17. Payment Terms:**

100% payment will be made by Cheque / RTGS from H.O. within 30 days from the date of receipt of material or invoice whichever is later & after due certification by the project. Payment term other than this will not be considered.

**18. Guarantee/ Warranty:**

The supplier must replace, free of charge, any mechanical or electrical parts which owing to defect in design, material or workmanship fail or show signs of failure at any time within 12 months from the date of the equipment being put into operation or 18 months from the date of receipt of supply, whichever is earlier or otherwise as specified in the tender. Material is to be replaced free of charge on FOR destination basis (even in FOB contracts) and all charges, duties, freight, insurance, etc. up to Project - Stores shall be borne by you. Acceptance of order as above will not require any separate guarantee for the purpose of acceptance / payment. All

supplies will be considered to have been covered by the above guarantee by the supplier unless specific conditions in this regard are indicated in the purchase order

**19. Loss and Damages:**

Notwithstanding anything herein contained, the supplier should undertake to be responsible for the said receipt of the goods in satisfactory condition and without any loss or damage at the final destination and until the same is actually delivered and received by the company at its works or other place of final destination. For this purpose goods carried by the railway or other carrier shall be deemed to be carried at the risk of the supplier. If on inspection at final destination, the company discovers any loss in goods supplied or the goods are received in damaged condition or in the opinion of the company these are not of the contracted quality and specification the company will be entitled (notwithstanding that the property of goods shall have passed on to the company) to refuse acceptance of the goods altogether and claim damages and/or cancel the contract and buy its requirement in the open market at the risk and cost of the supplier, reserving always to itself, the right of forfeiture of any amount found due and payable or the deposit, if any, Placed by the supplier for the due fulfillment of the contract as also to recover any amount, if already paid, along with interest @ 18% p a.

**20. Responsibility for packing and preservation:**

The supplier is responsible for the stores being sufficiently and properly packed for transportation and for suitable preservation to avoid deterioration during transit and storage at Project - Stores. Indication for validity of such preservation should be clearly mentioned to enable GMDC projects to arrange for re-conservation thereafter. Validity for such preservation should not be less than a year unless otherwise advised taking into account the nature of the goods. Please indicate your standard packing norms / details in the offer.

**21. PERFORMANCE BANK GUARANTEES:**

The successful bidders shall be required to furnish the Performance Bank Guarantee.

- (a) 10% of the total Material value on Landed basis inclusive of applicable Taxes & Duties, valid for Commissioning period + 12 months from the date of commissioning of the equipment with claim period of 3 months in excess of the 12 months. The total period of PGB shall be for 15 months.
- (b) Successful bidder shall have the option to be converted the Security Deposit amount into the Performance Bank Guarantee or submit the Performance Bank Guarantee separately. In case the successful bidder get the Security Deposit converted into Performance Bank Guarantee and Security Deposit amount is less than the required Performance Bank Guarantee amount, bidder shall have to submit the separate Performance Bank Guarantee for the additional required amount. In case Performance Bank Guarantee is submitted separately, Security Deposit shall be released against submission of Performance Bank Guarantee.

The Performance Bank Guarantee shall be released after fulfillment of all contractual obligations including warranty / guarantee conditions stipulated

in the contract. For unsatisfactory Performance and/or contractual failure GMDC shall have the full right to invoke/encase the Performance Bank Guarantee.

The Performance Bank Guarantee shall be issued by a Nationalized or IDBI, ICICI, AXIS, HDFC banks only and shall be irrevocable and unconditional and GMDC shall have the powers to invoke/encase it notwithstanding any dispute or difference between supplier and GMDC pending before the court, tribunal, arbitrator or any other authority.

The format of performance bank guarantee shall be provided to successful bidder only

22. Tenderer have to advise the name of the reputed Industrial/Government undertaking to which they have supplied items mentioned in the tender. Also please give your complete organization detail / company profiles.
23. Tenderer, if registered under DGS&D rate contract shall have to furnish particulars of rate contract stating the no. of rate contract, period, date & DGS&D rate together with a copy of the rate contract. In such cases, the DGS&D rate only shall have to be quoted.
24. If Tenderer is a SSI Unit, please state SSI No. and attach copy of the registration as SSI Unit.
25. Effect of increase in E.D. due to the higher turnover of the party will not be considered in any case.
26. Order will be issued to the successful bidder and in any case request for changing bidder name will not be considered.
27. The tender submitted in contravention of the terms & conditions stated herein will not be considered.
28. No conditional tender will be accepted and will be rejected out rightly. Conditional tender will not be read at the time of Opening.
29. For any typographical error in this tender, decision taken by Corporation will be final & binding to all the bidders.
30. **Weight / Quantity of material supplied:** The weight / quantity recorded at our Project will be taken as the basis of payment.
31. In case of disputes or difference of opinion in the interpretation of any of the terms & conditions of this tender, the decision of the Managing Director, of GMDC shall be final and binding to all.
32. In case of medicines, chemicals and other items having limited shelf life, the left over shelf-life of each item at the time of delivery should be at least 80%.
33. The Corporation reserves the right to reject any or all without assigning any reasons thereof. The corporation also reserves the right to amend, alter, increase or decrease the quantity of the material during any month due to change in the production pattern. If necessary to do so the Corporation reserves right to terminate

this contract, without assigning any reasons thereof to the tenderer. For any of the above act, the Corporation does not accept any liability or any financial or other loss that the tenderer may have to suffer in exercising this power by the Corporation.

- 33.1** If the tender documents and forms referred to in the tender are not submitted or are submitted but not found duly filled in and unsigned, will result in rejection of the tender.
- 33.2** In the event of space being insufficient for furnishing required information, additional sheets may be used and signed.
- 33.3** Canvassing in any form may lead to rejection of the offer.
- 33.4** Bids once submitted shall not be returned and shall remain the property of the purchaser.
- 33.5** The tenderer who have earlier been awarded contract by the company for any job which they either did not accept or have abandoned if or contract has been terminated by the company for breach of conditions, shall not be eligible to participate in this tender.
- 33.6** To assist in the scrutiny, evaluation and comparison of bids, the Corporation may, at its discretion, seek from any or all bidders, clarification(s) on his/their Bids, including technical information, documents and materials after the Technical Bid Opening but before opening of the Price Bid (part-II). The request for clarification and response shall be in writing or by fax, but no change in the final price or substance of the bid shall be permissible.
- 34.** The Court at Ahmedabad in Gujarat State only will have jurisdiction to deal with and decide any legal dispute or contravention between the parties hereto.
- 35.** The successful bidder /supplier or manufacturer should have the Service Centre in state of Gujarat. If any failure/ breakdown reported by project within warranty period than supplier has to attend within 10 days. Bidder has to fill up Name & Address of Service Centre in the following format.

Name of the Supplier / Service Centre	
District	
Taluka	
City	
Contact No.	
Mail address	

**TENDER NO. 009/17-18****FORM – A****CHECK LIST OF DOCUMENTS ENCLOSED WITH TENDER****(A) TECHNICAL BID :**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Declaration (Strike out whichever is not applicable)</b>
<b>1.</b>	Check list of documents in the prescribed Performa, Form-A.	<b>Yes/No.</b>
<b>2.</b>	Earnest Money deposit for the value as indicated in Notice Inviting Tender.	<b>Yes/No</b>
<b>3.</b>	Tender Document fees.	<b>Yes/No.</b>
<b>4.</b>	Formats dully filled in and signed along with all required enclosures, complete as per Instruction to bidder.	
	Form No – ‘B’	<b>Yes/No</b>
	Form No – ‘C’	<b>Yes/No.</b>
	Form No. – ‘D’	<b>Yes/No.</b>
<b>5.</b>	Other documents to be enclosed by the bidder as per the instruction to bidder.	
	a.) Power of authority of the signatory to the bidder.	<b>Yes/No.</b>
	b.) Declaration in prescribed format on letterhead of the bidder.	<b>Yes/No.</b>
	c.) Tender documents downloaded from websites duly signed by bidder on each page.	<b>Yes/No.</b>
	d.) Technical Literature for proposed supply.	<b>Yes/No.</b>
<b>6.</b>	<b>STATUS OF THE TENDERER :</b>	
	a. Whether manufacturer – Notary attested copies of documents attached as per clause – 1 of General Terms and condition.	<b>Yes/No.</b>
	b. Whether Authorized distributor / Dealer / Selling Agent (indicate status) – Notary attested copies of documents attached as per clause No 1 of General Terms & Conditions.	<b>Yes/No.</b>

**TENDER NO. 009/17-18****FORM – 'C'****DETAILS OF SIMILAR SUPPLY TO VARIOUS CLIENTS IN LAST 3 YEARS. :**

<b>Sr. No.</b>	<b>Name of Client with Address &amp; Contact No.</b>	<b>Work Order/Purchase Order No. and Date</b>	<b>Documentary Evidence submitted or not.</b>
<b>1</b>			YES/NO
<b>2</b>			YES/NO
<b>3</b>			YES/NO
<b>4</b>			YES/NO
<b>5</b>			YES/NO

## FORM-D

### General terms and conditions

#### 1. Preamble

- 1.1 The scope of this specification covers the design, manufacture, supply, transport, installation, testing and commissioning of the complete lighting system, using Raising and Lowering type of High mast Towers including the Civil Foundation Works.
- 1.2 The tenderer should guarantee the performance of illumination scheme along with material supplied and used for a period of 12 months from date of successful commissioning of the High Masts.
- 1.3 The successful tenderer should execute the work without hindering the normal functioning of the plant.
- 1.4 The incoming power supply to the control panel/feeder pillar catering power to High Mast will be given by GMDC. The further interconnections, cable required from the control panel outgoings to the High mast is included in the scope of the tenderer. However, all items required for the safe and efficient operation and maintenance of the lighting system, including the high mast, whether explicitly stated in the following pages or not, shall be included by the tenderer.
- 1.5 The tenderers are requested to visit the site before quoting to acquaint themselves of site conditions. No extra claims shall be entertained later.

#### 2. Pre-qualification

- 2.1 The tenderer should be a manufacturer or an authorized dealer of the manufacturer. Tenderers other than manufacturers shall furnish a letter from any of the reputed approved manufacturers confirming as their authorized dealer.
- 2.2 They shall also have enough experience in supply and installation of high masts in the country and must have installed of similar masts till date. Proof for the experience shall be produced before issue of tender documents to the firm.

#### 3. Applicable standards:

The following shall be the Reference Standards for the loading of the High Mast :

Sr. no.	<u>Code No.</u>	<u>Title</u>	Must be fill up by Party (YES/ NO)
a)	I.S. 875 (Part – III, 1987)	Code and practice for design loads (other than Earthquake) for Building and Structures.	
b)	BSEN 10025 / IS 2062	Grades of MS Plates	
c)	BS ISO 1461	Galvanizing	
d)	IS 800 – 1984, Second Revision	<b><u>Code of Practice for General Construction in Steel</u></b>	
e)	TR. No. 7 2003 of ILE, UK	Specification for Mast and foundation	

**Only latest editions should be followed for various Standards as specified above.**

#### 4. Dynamic Loading for the Mast

The tenderers should consider the following for the design of the lighting mast towers.

Sr.no.	Requirements	Specification details	Must be fill up by Party
a)	Regional Basic Wind speed	50 m/sec (180 km/hr )	
b)	Gust Factor	1.15 (as specified in IS 875 (Part 3) –1987)	
c)	Topography configuration	To be taken for Plain Area as specified in IS 875 (Part 3) - 1987	
d)	Mean probable design life	<b><u>25 years</u></b>	
e)	Terrain Category	Category 1 Class A as per IS 875 (Part 3) - 1987	

#### 4.1 Detailed technical specifications of 30 Mtrs. High Mast Lighting Tower

Sr. No.	Requirements	Vendor's Offer
4.2	<p><b>Structure:</b> The Lighting Mast shall be of continuously tapered, polygonal cross section, at least 20 sided, presenting a good and pleasing appearance and shall be designed as per TR7, IS 800 &amp; IS 875 Part 3 1987 and other relevant standards to give an assured performance and reliable service. For design of the structure the allowable stresses should be calculated taking into consideration Pt 3.9.4 of IS 800 1984 (amended up to date).</p> <p><i>HEIGHT OF MAST: 30 METER</i> <i>BASE DIA (OUTER): 600 MM</i> <i>TOP DIA (OUTER): 150 MM</i> <i>THICKNESS: TOP SECTION : 3 MM</i> <i>MIDDLE SECTION: 4 MM</i> <i>BOTTOM SECTION : 5 MM</i> <i>NO. OF SEGMENT : 3</i> <i>BASE PLATE DIAMETER: 840 MM</i> <i>BASE PLATE THICKNESS: 34 MM</i> <i>P.C.D. : 740 MM</i> <i>THICKNESS OF GALVANIZATION: 85 MICRONS</i> <i>FOUNDATION BOLT SIZE : M30 X 850MM LONG</i></p>	
4.3	<p><b>Construction</b></p> <p>The mast shall be fabricated from <b>steel plates conforming to IS 2062 or equivalent</b>, cut and folded to form a</p>	

	<p>polygonal section and shall be telescopically jointed and welded. The mast shall be delivered in 3/6 sections (in view of transportation cost). Each section shall be fabricated out of individual plates duly folded and welded. At site the sections shall be joined together by slip-stressed-fit method. No site welding or bolted joint shall be done on the mast. The minimum overlap distance shall be 1.5 times the diameter at penetration. The welded connection of the base flange shall be fully developed to the strength of the entire section.</p> <p>The base flange shall be provided with supplementary gussets between the bolt holes to ensure elimination of helical stress concentration. For environmental protection of the mast, the entire fabricated mast shall be hot dip galvanized, internally and externally having a uniform thickness as per the relevant standards.</p>	
4.4	<p><b>Door Opening</b></p> <p>An adequate door opening shall be provided at the base of the mast and the opening shall be such that it permits clear access to equipment like winches, cables, plug and socket, etc. and also facilitate easy removal of the winch. The door opening shall be complete with a heavy-duty double internal lock with special paddle key. The door opening shall be carefully designed and reinforced with welded steel section, so that the mast section at the base shall be unaffected and undue buckling of the cut portion is prevented. Size of door shall be minimum to avoid the buckling of the mast section under heavy wind conditions.</p> <p>SIZE OF DOOR OPENING: 1200MM X 300MM approx.</p>	
4.5	<p><b>Lantern Carriage:</b></p>	
4.5.1	<p><b>Fabrication:</b></p> <p>A fabricated Lantern Carriage shall be provided for fixing and holding the flood light fitting and control gear boxes. The Lantern Carriage shall be of special design and shall be of steel tube construction, the tubes acting as conduits for wire, with holes fully protected by grommets. The Lantern Carriage shall be so designed and fabricated to hold the required number of flood light fitting and control gear boxes, and also have a perfect self balance. The Lantern Carriage shall be fabricated in two / three halves and joined by bolted flanges with steel nuts to enable easy installation or removal from the erected mast. The entire lantern carriage shall be hot dip galvanized after fabrication. The inner lining of the carriage shall be provided with protective PVC arrangement, so that no damage is caused to the surface of the mast during raising and lowering operation of the carriage.</p> <p><i>MATERIAL CONSTRUCTION: TUBULAR RING with ARMS</i></p>	

4.5.2	<p><b>Junction Box:</b></p> <p>Weather proof junction box, made of cast Aluminum shall be provided on the Carriage Assembly as required, from which the inter-connections to the designed number of the flood light luminaries and associated control gears fixed on the carriage, shall be made</p> <p><i>JUNCTION BOX MATERIAL : ALUMINIUM</i></p>	
4.5.3	<p><b>Raising and lowering mechanism:</b></p> <p>For the installation and maintenance of the luminaries and lamps, it shall be necessary to lower and raise the Lantern Carriage Assembly. To enable this, a suitable Winch Arrangement shall be provided, with the winch fixed at the base of the mast the specially designed head frame assembly at the top.</p> <p><i>WINCH ARRANGEMENT WITH PULLEYS</i></p>	
4.6	<p><b>Winch:</b></p> <p>The winch shall be of “Integral Power Tool” type with motor. The winch shall have provision for manual operation in case of failure of the motor. The winch shall be double drum and completely self sustaining type, without the need for brake shoe, springs or clutches. Each driving spindle of the winch shall be positively locked when not in use. The capacity, operating speed, safe working load, recommended lubrication and serial number of the winch shall be clearly marked on each winch.</p> <p>The winch drums shall be grooved to ensure perfect seat for stable and tidy rope lay, with no chances of rope slippage. The rope termination in the winch shall be such that distortion or twisting is eliminated and at least 5 to 6 turns of rope remains on the drum even when the lantern carriage is fully lowered and rested on the rest pads. It shall be possible to remove the hoisting mechanism after dismantling through the door opening provided at the base of the mast.</p> <p>The winch shall be type tested at a reputed institution and the test certificate shall be furnished before supply of materials. The test certificate shall include the maximum load operated by the winch.</p> <p><i>METHOD OF OPERATION : MANUAL / POWER</i> <i>NO. OF DRUM OF WINCH : 2</i></p>	
4.7	<p><b>Head Frame:</b></p> <p>The head frame is to be designed as a capping unit of the mast, shall be of welded steel construction, galvanized both internally and externally after assembly. The top pulley shall be of appropriate diameter, large enough to accommodate</p>	

	<p>the steel wire ropes and the multi-core electric cable. The pulley block shall be made of non-corrodible material, and shall be of die cast Aluminum Alloy (LM-6). Pulley made of synthetic materials such as plastic or PVC are not acceptable. Self-lubricating bearings and steel shaft shall be provided to facilitate smooth and maintenance free operation for a long period. The pulley assembly shall be fully protected by a canopy galvanized internally and externally. The head frame shall be provided with guides and stops with PVC buffer for docking the lantern carriage.</p> <p><i>NUMBER OF WINCH DRUM (PULLEY) -2 Nos.</i>  <i>MATERIAL OF PULLEY : ALUMINIUM ALLOYS</i></p>	
4.8	<p><b>Stainless Steel Wire Ropes:</b></p> <p>The suspension system shall essentially be without any intermediate joint. The steel wire ropes shall be of suitable construction, the central core being of the same material. The overall diameter of the rope shall not be less than 6 mm. The breaking load of each rope shall not be less safety of over 5 for the system at full load as per the relevant standard. The end constructions of ropes to the winch drum shall be fitted with talurit.</p> <p>The thimbles shall be secured on ropes by compression splices. Three/Four suspension ropes of stainless steel wire ropes shall be used in the system with a provision of compensating disc.</p> <p>There shall be a separate torque- limiting device to protect the wire ropes from over stretching. It shall be Mechanical with suitable load adjusting device. The torque limiter shall trip the load when it exceeds the adjusted limits. There shall be suitable provision for warning the operator once the load is tripped off. The torque limiter is a requirement as per the relevant standards in view of the overall safety of the system.</p> <p><i>STAINLESS STEEL WIRE ROPE GRADE : AISI 316, 7/19</i>  <i>Con. DIA : 6 MM WITH 2 WIRE ROPE SYSTEM</i></p>	
4.9	<p><b>Electrical System, Cable and Cable Connections:</b></p> <p>A suitable terminal box shall be provided as part of the contract at the base compartment of the high mast for terminating the incoming cable. The electrical connections from the bottom to the top shall be made by special trailing cable. The cable shall be EPR / PVC insulated and PCP sheathed to get flexibility and endurance. The size of cable shall be minimum 5 core 4.00 sq. mm copper of reputed make. At the top there shall be weather proof junction box to terminate the trailing cable. The system shall have in-built facilities for testing the luminaries while in lowered position. Also, suitable provision shall be made at the base compartment of the mast to facilitate the operation of internally mounted, electrically operated power tool for</p>	

	<p>raising and lowering of the lantern carriage assembly. The trailing cables of the lantern carriage rings shall be terminated by means of specially designed, metal clad, multi pin plug and socket provided in the base compartment to enable easy disconnection when required.</p> <p><i>CONDUCTOR : 5 CORE X 4SQ.MM COPPER CONDUCTOR</i></p>	
4.10	<p><b>Lightning finial</b> One number heavy duty hot dip galvanized lightning finial shall be provided for each mast. The lightning finial shall be minimum 1.2 M in length and shall be provided at the center of the head frame. It shall be solidly bolted to the head frame to get a direct conducting path to the center of the earth through the mast. The lightning finial shall not be provided on the lantern carriage under any circumstances in view of the safety of the system</p>	
4.11	<p><b>Aviation obstruction lights</b> Suitable aviation obstruction lights of approved make shall be provided on top of each mast. Reputed make.</p>	
4.12	<p><b>Earthing Terminals</b> Suitable earthing terminals using 12 mm diameter stainless steel bolts shall be provided at a convenient location on the base of the mast, for lightning and electrical protection of the mast.</p> <p>EARTHING TERMINALS USING 12 MM DIA SS BOLT.</p>	
4.13	<p><b>Feeder pillar Panel.</b> The control panels shall be outdoor type, stand mounted, dust and vermin proof with IP-55 protection. The same shall be fabricated out of 14 SWG CRCA sheet steel. The panels shall be given pre-treatment and powder coated to Seimens Grey colour. The stand shall be painted black with synthetic paint. Cable entry shall be at the bottom. The panels shall have knockouts of the required cable:</p> <p>Laminated circuit diagram shall be pasted inside of the door. Feeder pillar shall have pad locking arrangement. 2 Nos. earth terminals by 12 mm dia. bolts shall be provided. Panel shall have a sloping cover to avoid accumulation of dust.</p> <p>The panel shall consist of MCBs and contactors of approved makes and suitable ratings. Timer for automatic ON &amp; OFF of lights with pilot lamps shall be provided and Toggle Switch for AUTO/OFF/MANUAL mode. Bus bars shall be of copper. Any other accessories for the safe and efficient operation of the system shall be included by the tenderer.</p> <p>4 core 16 sq.mm size armored copper cable as per IS:1554 part-1 of reputed make for power supply to the light fittings.</p> <p>FEEDER PANEL, IP55, 14 SWG CRCA SHEET WITH INSTRUMENT</p>	

5.0	<p><b>Technical Requirement (Luminaries)</b></p> <p>The asymmetric beam 2 x 400 HPSV flood light with double tubular lamp (non-integral). It should be high intensity, energy saving, dust moisture and vermin proof shall have IP-65 protection. The no. of flood light shall be of 12 Nos.</p> <p>The fitting should be at power coated die cast Aluminum/stainless steel corrosion resistance housing, electrochemically brightened and high purity anodized aluminum/stainless steel reflector, heat resistance toughened glass cover of min. 5 mm thickness, heat resistance silicon rubber gasket, toggles and earthing terminals.</p> <p>Lamp should be of 400 Watt HPSV SON-T PIA lamp with lumen output of 56,500 lumens &amp; average life of 32,000 Burning Hours. The make of lamp should be of Phillips/Oshram only.</p> <p>The flood lights should meet the requirements as laid down in IS 10322 Part 5 Sec V and IS 13383. The fittings offered should have Type Test Certificate including for Photometry for all tests specified in the type test clause and also for wind load test and leakage current test from a reputed laboratory approved by NABL.</p> <p>The fitting should be complete with 2x400 Watt HPSV lamps as per designed rating and its control gear, as laid down in IS:9974 Part-I and Part-II, 1981</p> <p>2X400 WATT HPSV SON-T PIA LAMP WITH OUTPIUT 56500 LUMENS MAKE : PHILIPS / OSHRAM</p> <p>FIXTURE &amp; CONTROL GEAR : DIE CAST ALUMINUM POWDER COATING HOUSING,</p>	
5.1	<p><b>Test Certificate</b></p> <p>The flood lights / luminaries should meet the requirements as laid down in IS:10322(Part-5 – Sec. V) and IS 13383, Part-3, 1992. The fittings offered should have type test certificate for all the parameters laid down in relevant IS code. The luminary should have IP:65 protection. The Tenderers shall submit type test certificates for all the parameters laid down in relevant IS codes for the luminaries from a Government Test House having NABL (National Accreditation Board for testing and calibration Laboratories, India) approval.</p>	
6.0	<p><b>Foundation</b></p> <p>The foundation shall be as per the drawing approved by the department. Foundation bolts to be suitably covered to prevent corrosion. And to be designed as per soil test.</p>	

7.0	Makes for Following:	Make	
	Lighting mast Tower and accessories		
	Luminaries:		
	Aviation Lights :		
	Cables :		
	RCBO :		
	MCB :		



# **PRICE BID**

**e-TENDER NO. 009/17-18**

**FOR**

**SUPPLY, INSTALLATION & COMMISSIONING OF**

**30 MTR. HIGH MAST TOWERS**

**AT LIGNITE PROJECT, MATA NO MADH**

**TAL:LAKHPAT, DIST: KUTCH**

**GUJARAT**

**PURCHASE DEPARTMENT  
GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED  
(A Govt. of Gujarat Enterprise)**

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"Khanij Bhavan", 132 Ft. Ring Road, Nr. University Ground, Vastrapur, Ahmedabad-380052.

**Phone :** 079-27910933(D)/27913200/3501/0665/1662 **Fax:** 079-27913891/1454

**E-mail :** [purchase@gmdcltd.com](mailto:purchase@gmdcltd.com) **Website :** <http://www.gmdcltd.com>



**( ON LINE ONLY )**

**e-TENDER NO : 009/17-18.**

We, M/s. \_\_\_\_\_ quote our rate as under against your Tender No.009/17-18.

Descriptions	<b>30 Meter High Mast Tower at Matanamadh</b>
Quantity	<b>02 Nos.</b>
Make	
Basic Price per No.	
In words Rupees	
Packing Charges	
Insurance Charges	
Transportation Charges	
GST (with rate/percentage if any)	
Total F.O.R. (I.e. inclusive of GST Packing, Insurance & Transportation Charges).	
Total Amount Rs.	

**SIGNATURE OF TENDERER**