

e- Tender No. – GMDC/ENV/02/16-17

e-Tender
FOR

**MONTHLY ENVIRONMENTAL MONITORING AND ANALYSIS AS PER
GUIDELINES OF GPCB/MOEFCC/CPCB AND EC/ CC&A CONDITIONS AND
PARAMETERS AT VARIOUS PROJECTS OF GMDC LTD. FOR THE YEARS
2017 to 2019
IN
GUJARAT STATE**



**CHIEF GENERAL MANAGER
GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED
(A Govt. of Gujarat Enterprise)
KHANIJ BHAVAN, 132' RING ROAD, UNIVERSITY GROUND
VASTRAPUR, AHMEDABAD- 380 052
Phone No. 07927913200
TELE-FAX: (079) 2791 3038, E-mail env@gmdcltd.com
Visit our web-site: www.gmdcltd.com**



GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED

Tender No. – GMDC/ENV/02/16-17

Work Description	:	Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEF/CPCB and EC / CC&A conditions and parameters at various projects of GMDC Ltd. for the years 2017 to 2019 in Gujarat State.
Place of work	:	<ol style="list-style-type: none">1. Akrimota Thermal Power Station, village Nani Chher, Tal. Lakhpat, Dist. Kutch2. Panandhro Lignite Project, village Panandhro, Tal. Lakhpat, Dist. Kutch3. Umarsar Lignite Project, village Umarsar, Taluka Lakhpat, District Kutch (Gujarat)4. Mata No Madh Lignite Project, Mata No Madh, Kutch5. Bauxite Group of Project (8 Mines), Gadhsisa, Ta. Mandavi, Dist. Kutch6. Rajpardi Lignite Project, Ta. Jhagadia, District Bharuch7. Tadkeshwar Lignite Project, Dist. Surat8. Fluorspar Mines, Kadipani, Ta. Kawant, Dist. Vadodara9. Fluorspar Plant, Kadipani, Ta. Kawant, Dist. Vadodara10. Surkha (N) Lignite Project, village Budhel, Ta. Ghogha, Dist. Bhavnagar11. Bauxite Project (Mevasa Mines), Bhatia-361315, Taluka- Kalyanpur, Dist. Jamnagar12. Shivrajpur Manganese Project, village Shivrajpur, Ta. Halol, Dist. Panchmahal. <p>The GMDC reserves the right to reject any or all the bid or split the work between more than one bidders without assigning any reason thereof.</p>

Period of contract	:	3 (Three) Years
Tender Fee	:	Rs. 3,000/- by D.D. in favour of ‘ GMDC Ltd ’, payable at Ahmedabad , failing which tender will not be considered as a valid.
EMD	:	Rs. 1,58,174/- (Rs. One Lakh Fifty Eight Thousand One Hundred & Seventy Four Only) by D.D. in favour of ‘ GMDC Ltd ’, payable at Ahmedabad , failing which tender will not be considered as a valid.
Last date and time of downloading the tender	:	1 st February 2017 – 11:00 Hrs.
Last date and time of online submission of bid	:	1 st February 2017 – 11:00 Hrs. (Submission of Technical and Price Bids in hard copies will not be entertained)
Last date & time of submission of tender fees, EMD and all necessary supporting documents in hard copy	:	1 st February 2017 – 11:00 Hrs.
Date & time for on-line opening and viewing of preliminary bid	:	1 st February 2017 – 15:00 Hrs.
Date & time for on-line opening of technical bid	:	1 st February 2017 – 15:10 Hrs.
Validity of Bid	:	180 Days

GENERAL INSTRUCTIONS TO THE BIDDERS FOR TENDERING:

1.0 Tendering

1.1 THE TENDER & THE OFFER:

a) It is a three-bid system. The bid is required to be submitted in sealed envelopes latest by the date and time prescribed in the tender notice.

Part – I Preliminary Bid

Original Drafts of **Tender fee and EMD** should be submitted before last date on above given address in separate and sealed envelopes along with their respective forms. These both envelopes should be placed in a separate and sealed cover sub-scribed **“PRELIMINARY BID” Tender No., and Name of work.**

Bids received without EMD/Tender Fee will not be considered for scrutiny and will be out rightly rejected.

Part - II Technical bid (Annexure I to IV)

Technical bid documents i.e. various annexure are to be submitted within stipulated period as per tender notice. However, the supporting documents required to be submitted in support of these annexure like experience, financial position, status of the bidder, list of equipments owned by the bidders, copy of Permanent Account Number (PAN), Service Tax and PF Registration etc. shall be placed in separate & sealed cover sub-scribed **“TECHNICAL BID, Tender No., and Name of work etc.**

Following documents will be require in support of technical bid:

- i Valid certificate of recognition from MOEFCC.
- ii Valid certificate of recognition from GPCB.
- iii Valid certificate of recognition from NABL or NABET.
- iv Proof of experience through copies of previous work order for the similar work issued by the present or previous clients.
- v All technical specification, technical details of equipment and vehicles with make, model & year of manufacturing etc. available for monitoring.
- vi Supporting of Qualification and experience of Manpower, to be deputed after award of the contract. Post Graduate in Environmental Science or equivalent and above persons must be deputed for monitoring at site.

- vii. Any other clarification / information, if required by GMDC during or after bidding process.
- viii The blank e-tender documents of GMDC should be submitted duly signed and stamped on each page by authorized signatory of the bidder.
- ix All necessary supporting documents required in support of Technical Bid.

Part – III Price-bid (Annexure V / VI)

To be submitted **on line only** within the stipulated time.

These documents must reach before last date on below given address:

**Chief General Manager
Gujarat Mineral Development Corporation Limited
“Khanij Bhavan”, 132 ft Ring Road, Nr. University Ground,
Vastrapur, Ahmedabad – 380 052**

GMDC reserves the right to reject any or all the tenders or split the work between more than one bidder without assigning any reason thereof and volume of work can also be reduced any time before or during the execution of work.

1.2 Bidders are advised to read the instructions, evaluation norms and other terms and conditions described in these documents under different Chapters carefully before making their offer. In case of any doubt they may seek clarification from Assistant Manager (Environment) at the head office of the GMDC at Ahmedabad.

1.3 Opening of bids

First Preliminary bids will be opened and for the verification of the receipt of tender fee and EMD along with their respective forms.

Technical bid of only those bidders will be opened whom tender fee and EMD will be received by tenderer. Then Technical bid along with signed and stamped copy of technical document, statutory annexure and all essential supporting documents will be opened and assessed to verify that bidder is technically qualified or not for the desired work?

Price Bid will be opened for those who are technically qualified bidders.

1.4 Bidders are advised to read the instructions, evaluation norms and other terms and conditions described in these documents under different Chapters carefully before making their offer. In case of any doubt they may seek

clarification from AM (Environment) at the head office of the GMDC at Ahmedabad on mobile no. 9099952308.

1.5 Bidders who wish to participate in online tenders will have to procure / should have legally valid Digital Certificate as per Information Technology Act-2000, 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 1.5.

1.6 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@gnvc.net

1.7 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.

1.8 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.

1.9 (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.

1.10 All the bidders who have no facility to participate in on-line tenders are requested to contact (n) code solutions for the same.

1.11 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.

1.12 Corrigendum:

Bidders are requested to see the website <https://gmdc.nprocure.com> 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 corrigendum, if any, will be that of the downloading parties.

No separate intimation in respect of corrigendum will be sent to Bidders who down loaded the Tender document from the website as information in this respect will be available to website i.e. <https://gmdc.nprocure.com> etc.

2.0 Preamble

2.1 This tender document is intended to give a general description of nature of the work. It is not intended to cover all minute details. The work shall be executed in accordance with best practices and to the complete satisfaction of the GMDC.

2.2 The information given in this tender document is given in good faith and meant to serve as a guide to enable the prospective bidders to submit their offer. It is, imperative that the Bidder shall obtain and examine, for himself, all the data, information and particulars required for the satisfactory execution of the work covered under the scope of tender.

2.3 Price bid will not be opened unless Preliminary & Technical Bids opening procedure has completed in all respects and bidder is found to have adequate experience and resources for executing the Work. **The price bid of only technically successful bidders will only be opened.**

2.4 The tender document and forms referred to in the tender, if not returned or if returned but not duly filled in (where required) and signed, will result in rejection of the tender.

3.0 Examination

3.1 The Bidder would carefully examine the tender document including all amendments/addendum and corrigendum, if issued, and other details relating to the work and acquaint him fully with all the conditions and matters therein, which may, in any manner, affect the work and the cost thereof.

3.2 The Bidder would obtained all information as to risks, contingencies, responsibilities and other circumstances which might influence or affect his tender, the progress and performance of the contract and to have taken into account all conditions and matters that may affect his works under this tender and cost thereof.

3.3 The Bidder would be deemed to have visited the project site and its surroundings, carefully examined and satisfied himself about the existing site conditions, availability of local facilities, means of transport etc. and to have quoted rates, taking into consideration all such conditions and matters, which may, in any manner, affect the work and the cost thereof.

3.4 The Bidder would be acquainted himself with all Government, Mining and Labour laws, statutes, regulations, rules or notifications relating to taxes, levies and other charges relating to the work at the site or otherwise as applicable from time to time.

3.5 Any neglect or omission or failure on the part of the Bidder in obtaining necessary and reliable information upon the foregoing or any other matter affecting the tender, shall not absolve him of any risk or liabilities or responsibilities for completion of the entire work in accordance with the terms and conditions of the tender document.

4.0 Any conditional tender will be rejected outright and no claim whatsoever in respect thereof shall be entertained. The Management of GMDC reserves the right to reject / cancel any or all tenders without assigning reasons and to negotiate with any Bidder for more favourable rates. Each and every page of the tender document along with bids supporting documents shall be signed by the Bidder with his usual signature. All signatures should be dated and Company's seal shall be affixed below it.

5.0 GMDC may, at its discretion, extend the deadline for the submission of the bids.

6.0 Bidder shall bear all costs associated with the preparation and submission of its bid, and the GMDC will in no case be responsible or liable for these costs or postal delay.

7.0 Bids with joint venture agencies will not be accepted and successful bidder may not assign their work to other third party.

8.0 All applicable taxes and duties etc. will be reimbursed after submitting documentary proof of its submission to regulatory body. TDS will be deducted as per rule.

9.0 Validity of the offer: The bidder should agree that the rate submitted shall remain valid for a period of 180 days from the date of the opening of the tender.

Application expressing interest by the Bidders:

Dated

To,

Chief General Manager
Gujarat Mineral Development Corporation Limited,
“Khanij Bhavan”, 6th floor, “A” wing”, 132 ft. Ring road,
Nr. University Ground, Vastrapur, Ahmedabad – 380 052

e-Tender No. – GMDC/ENV/02/16-17

Subject: Tender for Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEF/CPCB and EC / CC&A conditions and parameters at various projects of GMDC Ltd. for the years 2017 to 2019 in Gujarat State.

Sir,

I/We are interested in participating in the above “Tender for Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEF/CPCB and EC / CC&A conditions and parameters at various projects of GMDC Ltd. for the years 2017 to 2019 in Gujarat State”. We shall collect all the information as per regulatory requirement from all GMDC projects along with Environmental Monitoring and Analysis with preparation of Monthly Environmental Report etc. at our own cost. Our contract period shall not be more than three years.

I/We are certified by MoEFCC, GPCB and NABL/NABET.

I/We have adequate experience in the Environmental Monitoring of industries along with collection of data & preparation of report and have adequate infrastructure, equipments, laboratory facilities and funding at our disposal to execute the work. I/We have sound financial position to fulfill any additional requirement if required to carry out the work to the entire satisfaction of the GMDC as well as for regulatory agencies. We shall make our own arrangement for the collection of data and information from all GMDC projects and we have understood that during the contract period, GMDC will be only responsible to provide at least one co-coordinator from all GMDC projects for this activity and no other lieu will be paid/ reimbursed by GMDC in any case.

Thanking you.

Yours faithfully,

[Authorized Signatory]

On Bidders Letter Head

FROM:

LETTER NO.:

DATE:

To,
Gujarat Mineral Development Corporation Ltd.,
Khanij Bhavan, 132 Ft. Ring Road,
Near University Ground, Vastrapur,
Ahmedabad – 380 052, Gujarat.

Sub. : Tender Fee for Tender No. for **GMDC/ENV/02/16-17** for “**Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEF/CPCB and EC / CC&A conditions and parameters at various projects of GMDC Ltd. for the years 2017 to 2019 in Gujarat State**”.

Dear Sir,

With reference to above, and as per terms & conditions of Tender, we are sending herewith DD /
No. _____ Dated _____ Name of the Bank and Branch,
_____ for **Rs. 3000/- [Rs. Three
Thousand Only]** is being the amount of Tender fee.

Thanking you,

Yours faithfully,

Name / Signature & Stamp

On Bidders Letter Head

FROM:

LETTER NO.:

DATE:

To,
Gujarat Mineral Development Corporation Ltd.,
Khanij Bhavan, 132 Ft. Ring Road,
Near University Ground, Vastrapur,
Ahmedabad – 380 052, Gujarat.

Sub. : EMD for e-Tender No. for **GMDC/ENV/02/16-17** for “**Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEF/CPCB and EC / CC&A conditions and parameters at various projects of GMDC Ltd. for the years 2017 to 2019 in Gujarat State**”.

Dear Sir,

With reference to above, and as per terms & conditions of e-Tender, we are sending herewith DD / Pay Order No. _____ Dated _____ Name of the Bank and Branch, _____ for **Rs. 1,58,174/- [Rs. One Lakh Fifty Eight Thousand One Hundred & Seventy Four only]** is being the amount of EMD.

Thanking you,

Yours faithfully,

Name / Signature & Stamp

**Gujarat Mineral Development Corporation Limited,
“Khanij Bhavan”, 132 ft. Ring road,
Near University Ground, Vastrapur, Ahmedabad – 380 052**

1.0 NOTICE INVITATION TO BIDDER:

Gujarat Mineral Development Corporation Ltd. (GMDC) invites bids from reputed financially and having technically sound, experienced and recognized environmental team for the **Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEF/CPCB and EC / CC&A conditions and parameters at various projects of GMDC Ltd. for the years 2017 to 2019 in Gujarat State.** Contract period will be three (3) years only from the award of this contract for the environmental monitoring and submission of reports. If, any bidder has selected to award the work, in that case tenderer first will be award contract for one year only and after getting satisfactory performance it can be extended for further second and third year. Estimated cost of work is Rs. 52,72,452/- (Rs. Fifty Two Lakhs Seventy Two Thousand Four Hundred and Fifty Two only).

2.0 [A] QUALIFICATION AND EXPERIENCE CRITERIA:

- a) Bidders must be recognized by Ministry of Environment, Forests & Climate Change (MOEFCC) as well as Gujarat Pollution Control Board (GPCB). Further accreditation from either NABL or NABET is also require.
- b) Bidders ensure that Qualified Staff at least Post graduate in Environmental Science or M.Sc. Chemistry or equivalent and above, should only be engaged for environmental monitoring at GMDC projects and analysis at bidder laboratory. Persons deputed for environmental monitoring should at least have 2 years similar experience that should be followed strictly.
- c) Bidder should have minimum 7 years of same experience in Stack, Ambient Air / Noise Quality and Water Quality Monitoring and Analysis etc.
- d) Bidder should make environmental monitoring as per regulatory guidelines especially in the case of Ambient Air Quality Monitoring, which should be as per CPCB/ISI guidelines of 24 hours.
- e) GMDC’s maximum projects are mines, therefore from safety point of view; bidder should send only good and heavy vehicles suitable for monitoring in mining like Tata Sumo, Travera etc.
- f) Tenderer shall not be responsible to provide lodging/boarding to the successful bidder but can provide on chargeable basis as when and where available.
- g) Bids complete in all respect will be received by Chief General Manager at the above address.

GMDC reserves the right to reject any or all the tenders or split the work between more than one bidder without assigning any reason thereof and volume of work can also be reduced any time before or during the execution of work.

B) Parameter Details:

Bidder must have experience to monitor as well analysis of at least following parameters in last 3 years:

- (I) Air & Noise Pollution: Ambient Air Quality as per CPCB / ISI guidelines of 24 hours and Ambient Noise in Day and Night time. Vehicle used for Ambient Air Monitoring should be like Sumo, Travera and Innova etc., Van cannot be permitted.
 - (i) PM 10, PM 2.5, SO₂, NO_x and CO in Ambient Air.
 - (ii) SPM, SO₂, NO_x & CO in Stacks/DG Set.
- (II) Effluent, Ground & Drinking Water:
 - (i) pH, Temperature, Colour, TDS, TSS, BOD, COD, Ammonium Nitrate, Phenolic Compound, Sulphate, Chlorides, Insecticides / Pesticides, Hexavalent Chromium, Total Chromium, F, Cu, Ni, Zn, Free Residual Chlorine, Pb, Dissolved Oxygen, Oil & Grease, Phosphate, Colour, Salinity, Fe, Sulphide, Cyanide, Ammonical Nitrogen, Hg, Se, Mn and B etc. in Effluent / Ground Water
 - (ii) Drinking Water as per GSR 422(E) dt. 19.05.1993 & 31.12.1993.

C) Technical Manpower:

Bidders should have at least two persons qualified at least Post graduate in Environmental Science or M.Sc. Chemistry or equivalent and above. Only these qualified persons should only be engaged for environmental monitoring at GMDC projects and analysis at bidder laboratory.

Persons deputed for environmental monitoring and analysis should at least have 2 years similar experience that should be followed strictly.

D) Accreditation / Certification:

Bidders must be recognized by Ministry of Environment, Forests & Climate Change (MOEFCC) as well as Gujarat Pollution Control Board (GPCB). Further accreditation from either NABL or NABET is also require

E) Average Annual turnover for last three years ending on 31/03/2016

Not less than 16 Lakhs.

3.0 SCOPE OF WORK:

[A] SCOPE OF BIDDER: To carryout monthly environmental monitoring and analysis of ambient air, stack / DG set effluent, sewage, ground water, drinking water, sludge, ash and noise samples etc. as per GPCB & MoEF requirements at our 12 projects mentioned in **Annexure-VII**. No monitoring shall be carried out when mines /plant is closed. If required it can be taken only after written consent/ instructions of General Manager (Project).

- a) The proposed environmental monitoring involves environmental monitoring and analysis of all regulatory parameters as per **Annexure-VII** and submission of project wise monthly report of 1 set to the concerned project of GMDC and 1 set to the Corporate Office - GMDC at Ahmedabad.
- b) Bidder should make environmental monitoring as per regulatory guidelines especially in the case of Ambient Air Quality Monitoring, which should be as per CPCB/ISI guidelines for 24 hours. Equipment used by Bidder for Ambient Air Quality Monitoring should be designed as per CPCB/USEPA guidelines. DG set has to be used for AAQ, wherever require.
- c) Following has to be maintained:

- (i) **Ambient air monitoring:** Ambient – SPM (where applicable in Annexure VII), PM 2.5, PM10, SO₂ & NO_x and CO values at all GMDC projects but:
 - At Panandhro lignite mine in ambient air, following parameters like **SPM, HCL, CL₂, Hydrocarbon, Ammonia, HF, H₂S and CS₂** will be additional in monthly monitoring.
 - At Mata No Madh, Umarsar and Tadkeshwar lignite mines, in ambient air quality monitoring, along with general parameters, heavy metals like **Hg, As, Ni, Cd and Cr** will be additional but twice in a year only (**One in between APRIL-SEPTEMBER & ANOTHER IN BETWEEN OCTOBER – MARCH**).
 - Bidder should consider that at each project at least one & maximum 2 locations for ambient air quality monitoring has to be done by using portable DG set. **BUT IT MAY BE FURTHER NOTED THAT in Gadhsisa Group of Bauxite (8 mines), all locations has to be done through portable DG set that has to be arranged by bidder only.**

- (ii) **Boiler Stack Monitoring:** Stack monitoring should be carried out for SPM, NO_x and SO₂, Mercury (Hg) & CO at Akrimota Thermal Power Station - only.
- (iii) **DG Set** stack for PM, NO_x, SO₂ & Hg – Twice in a year only (one for the period in between April – September and second for the period in between October – March) on the project as per Annexure VII.
- (iv) **Water Related Monitoring:** The parameters of wastewater (Effluent and sewage) has to be carried out for the parameters as indicated in Annexure-VII at different projects or as detailed in CC&A conditions whichever is larger. Drinking Water has to be analyzed as per IS:10500 and GSR 422(E) dt. 19.05.1993 & 31.12.1993.
- (v) **Sludge & Fly ash:** Two Sea Water Desalination Plant Sludge Samples and Two Ash Samples [frequency – Twice in a year (one for the period in between April – September and second for the period in between October – March). These samples will be analyzed to check their hazard characteristics at ATPS project.
- (vi) GMDC's maximum projects are mines, therefore from safety point of view; bidder should send only good and heavy vehicles suitable for monitoring in mining like Tata Sumo, Travera, Innova etc.
- (vii) Bids complete in all respect will be received by Chief General Manager at the above address.
- (viii) Bidder may carry out entire work in a manner to satisfy needs of the GMDC & GPCB in all respect.
- (ix) Bidder will send qualified manpower, necessary Equipments / instruments, consumables, reagents, etc. required for the job.
- (x) Bidder will remain in contact with the Officer-In-Charge of Environment at GMDC Ahmedabad office and Project and then shall plan their visits in consultation with them.
- (xi) During tenure of contract, if any parameter is added due to change in regulation or requirement of regulatory authorities; Bidder has to carry out the analysis free of cost. However, if the number of samples due to the same is increased, Bidder will be paid additional per sample charges as indicated in Para under rates by the respective Project. Furthermore, bidder will be bound to carry out the monitoring as per requirements.

Any change in monitoring guidelines by regulatory authority will lead to change in bidder monitoring i.e. sampling and analysis procedure.

- (xii) Bidder will abide by statutory regulations applicable at the project e.g. Mines Act, Factory Act and other related Law & Regulations etc.

[B] SCOPE OF TENDERER

- i. Showing all the monitoring location and their details.
- ii. Necessary data's / information.
- iii. Tenderer shall not be responsible to provide lodging/boarding to the successful bidder team but can be provide on chargeable basis as when and where available.
- iv. All the locations of GMDC projects are approachable in all weather by roads.
- v. GMDC reserves the right to reject any or all the tenders or split the work between more than one bidder without assigning any reason thereof and volume of work can also be reduced any time before or during the execution of work.

4.0 DURATION:

Bids have invited for three (3) years but initially work order will be awarded for one year only to the successful bidder. After first year satisfactory performance, work further will be extended maximum up to two more years on the same terms-conditions and rates.

5.0 TERMS OF PAYMENT:

Payment will be release on monthly basis after receipt of followings:

1. Monthly running bill to corporate office
2. Original Copies of Analysis Reports – One set at individual project and one set at Corporate Office.
3. Copies of Site visit form duly signed by Tenderer and Bidder representatives along with bill.

The payment will be made after receipt of the bill along with Reports and Site visit Forms. TDS shall be deducted as applicable. All payments will be made by cheques only.

6.0 TAXES, DUTIES & LEVIES AND STATUTORY OBLIGATIONS:

All applicable taxes and duties etc. will be reimbursed after receipt of documentary proof of its submission to regulatory body. TDS will be deducted as per rule.

7.0 SUBLETTING OF THE WORK:

Successful Bidder will not sublet the work or any part of it to any other agency.

8.0 TENDER FEE AND EARNEST MONEY DEPOSIT:

- (a)** A non-interest bearing DD of **TENDER Fee** of Rs. 3000/- (**Three Thousand only**) and **Earnest Money Deposit** of Rs. 1,58,174/- (Rs. One Lakh Fifty Eight Thousand One Hundred & Seventy Four Only) shall be submitted along with desired form provided with tender in separate sealed cover super scribed “**TENDER / EMD Fee**” in favour of **GMDC Ltd. payable at Ahmedabad.** Any pending dues against invoice or any other deposit lying with the GMDC 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 only EMD amount by way of crossed cheque at earlier after receipt of written request for EMD refund.
- (c)** Tender Fee is non refundable and EMD of successful bidder will be adjusted in Security Deposit that will released after satisfactory completion of contract.
- (d)** If the party does not accept the work order issued by GMDC, then EMD amount paid by the bidder will be forfeited.

9.0 SECURITY DEPOSIT:

The successful Bidder shall have to pay Security Deposit @ 5% of the order value (Including EMD) within a fortnight after receipt of the order by way

1. DD in favour of GMDC Ltd. payable at Ahmedabad **or**
2. Bank Guarantee, issued by Nationalised or bank approved by GoG (except Co-op Bank) only in India valid for a period of not less than 3 (three) months beyond the proposed validity of bid. Further Bank Guarantee will be extended from time to time as per requirement of GMDC.

If the successful bidder does not pay security deposit or does not carry out the job assigned as per our order or does not fulfill any of the terms & conditions

of this tender, Earnest money deposit/ Security Deposit paid by such bidder shall be liable to be forfeited.

Security Deposit paid will be refunded within 3 months after the completion of the work satisfactorily.

Earnest Money/Security Deposit will not bear any interest.

10.0 NO RELAXATION OF EMD/SD.

No relaxation will be here for EMD / SD.

11.0 ACCEPTANCE OF LOI:

If the successful bidder does not accept the Letter of Intent issued by GMDC within 20 days of its receipt, the EMD paid by him will be forfeited.

The order will be awarded to the technically and commercially qualified and responsive Successful Bidder, who bid in conformity of the requirement of the specifications of the document. A responsive Bid is one which accepts all the terms and conditions of the specifications and documents without any modification.

12.0 STATUTORY OBLIGATIONS:

- a) The Bidder shall be responsible for arranging requisite manpower, and shall also fulfill the provisions of Labour laws Labour Laws etc., pertaining to employment of labour and other statutes in force from time to time.
- b) If any amount becomes payable by GMDC as a result of any claim or application due to non compliance of the provision of any Act or Rule or Regulations, By-laws or the Orders made there under, applicable from time to time , such amounts shall be recoverable from the successful bidder.
- c) The selected successful bidder shall indemnify GMDC against any claim, compensation, damage, loss, penalty etc. for breach and / or non-fulfillment of the prevailing Rules and Regulations and other statutory

provisions in force from time to time and applicable to the work during the currency of contract. Statutory Obligations:

13.0 LIQUIDATED DAMAGES:

Successful bidder shall be responsible for monthly environmental monitoring and analysis of various GMDC projects in Gujarat as specified / described under the scope of work in this tender and technical document in accordance with sound and established practices, regulations applicable, for the purpose(s) specified, free from defects and suitable for respective uses intended.

The cumulative limit of successful bidder's liabilities under the TENDER, for all guarantees or warranties of whatever nature, whether expressed or implied and all causes whatsoever including liquidated damages for delay and or non performance shall be limited to 5% of CONTRACT charges / remuneration.

14.0 ACCEPTANCE OF GENERAL TERMS & CONDITIONS:

The bidder should unconditionally accept all the terms and conditions of the contract by signing & stamping on each page of the bid document of the tender including the annexure.

15.0 BLACK LISTING OF THE BIDDER:

The Bidder or its directors should not have been black listed / terminated by any Government Organization, or any litigation be pending against any of them. The bidder will submit declaration to this effect along with the technical bid. If at any time such declaration is found false, the bid will be rejected or if the contract work is already awarded, it will be terminated forthwith without payment of any compensation and the EMD/SD will be forfeited.

16.0 NON FULL FILAMENT OF TERMS & CONDITIONS & TERMINATION OF THE CONTRACT:

If the successful bidder fails to carry out the work as per terms and conditions of the contract to the satisfaction of GMDC, GMDC shall be entitled to terminate the contract and forfeit the EMD / Security Deposit paid by the successful bidder.

If required, for any reason, GMDC reserves right to cancel, terminate, amend and / or alter the contract and / or bifurcate and / or reduce the contract work at any time without giving any notice to the bidder without incurring any responsibility.

17.0 DISPUTES:

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.

18.0 FORCE MAJEURE:

Force majeure is here in defined as natural phenomena such as floods, cyclone, earthquakes and epidemics, declaration of war, accidents etc. In such conditions of force majeure both the parties can claim force majeure but they are obliged to inform the either party within 7 days in writing of the date of commencing and again ending of the force majeure. Under the circumstances of force majeure, the contract period for starting work shall be extended by period equivalent to the loss of time due to force majeure. However no other relaxation can be given. Further if any circumstances of force majeure will occur during harvesting period, the loss time equivalent to the loss due to force majeure will be extended.

The decision regarding the occurrence of force majeure to be considered shall be taken jointly by Successful bidder and **GMDC**.

STATUS OF BIDDER
[For GMDC Monthly Environment Monitoring (2017-2019)]

Name of the Bidder	
Full Address	
Telephone No.	
Fax No.	
E-Mail Address	
Name & Designation of Authorized person	
Copy of last three years Balance Sheet ended on 31/03/2016.	
Name of partners with their present and permanent address	
Name of bankers with full address and telephone no.	
Details of PAN No. (Please attach copy)	
Service Tax Registration Details with copy of certificate	

Note: Bidders are requested to submit supporting documents duly signed and stamped for above asked.

**DETAILS OF ENVIRONMENTAL MONITORING WORK CARRIED OUT
BY THE BIDDER**

[For GMDC Monthly Environment Monitoring (2017-2019)]

S. No.	Contract No. & Date/Year	Client	Details of work	Value of work	Completion period as per contract	Actual date of completion	Remarks

Note: Bidders are requested to submit supporting documents like copies of work orders &/or completion certificate.

DETAILS OF SKILLED MANPOWER
[For GMDC Monthly Environment Monitoring (2017-2019)]

Particulars of skilled manpower deployed on	Qualification and Year	Strength (Nos.)	Experience (Years)
Environment Engineer / Chemist			
Environment Technician			
Other Manpower			

Note: Bidders are requested to submit supporting documents including Copies of staff qualification certificate / bio-data and experience certificate etc. for above asked.

PRICE BID

Annual Environmental Monitoring of various projects of GMDC in Gujarat State for years 2017 to 2019

Sr. No.	Description	Total Contract Value for the year 2017	Total Contract Value for the year 2018	Total Contract Value for the year 2019	Grand Total Contract Value for the period of Three (3) years
1	Akrimota Thermal Power Station, village Nani Chher, Tal. Lakhpat, Dist. Kutch				
2	Panandhro Lignite Project, village Panandhro, Tal. Lakhpat, Dist. Kutch				
3	Umarsar Lignite Project, village Umarsar, Ta. Lakhpat, Dist. Kutch				
4	Mata No Madh Lignite Project, Mata No Madh, Kutch				
5	Calcined Bauxite Project (8 Mines), Gadhsisa, Dist. Kutch				
6	Rajpardi Lignite Project, District Bharuch				
7	Tadkeshwar Lignite Project, Dist. Surat				
8	Surkha (N) Lignite Project, Bhavnagar				
9	Bauxite Project, Mevasa, Dist. Jamnagar				
10	Fluorspar Mines, Kadipani, Ta. Kawant, Dist. Vadodara				
11	Fluorspar Plant, Kadipani, Ta. Kawant, Dist. Vadodara				
12	Shivrajpur Manganese Project, Village Shivrajpur, Ta. Halol, Dist. Panchmahal.				
TOTAL					

Note: All applicable taxes and duties etc. will be reimbursed after submitting documentary proof of its submission to regulatory body. TDS will be deducted from monthly bill as per prescribed rule.

Price Bid Annexure – VI

PRICE BID

**Annual Environmental Monitoring of various projects of GMDC in Gujarat
State for years 2017 to 2019**

Sr. No.	Particulars	No. of monitoring sample per year [Nos.]	Rate per sample for 2017 [Rs.]	Rate per sample for 2018 [Rs.]	Rate per sample for 2019 [Rs.]
1	Ambient Air	734			
2	Stack	48			
3	DG Set	40			
4	Effluent Water	192			
5	Sewage Water	72			
6	Ground Water	73			
7	Drinking Water	34			
8	Noise Sample	734			
9	Sludge Sample	04			
10	Ash	04			
Total for 1st year					
Total for 2nd year					
Total for 3rd year					

Note: All applicable taxes and duties etc. will be reimbursed after submitting documentary proof of its submission to regulatory body. TDS will be deducted from monthly bill as per prescribed rule.

DECLARATION

(On letter head of the Bidder)

FROM:

DATE:

To,
The Managing Director,
Gujarat Mineral Development Corporation
Ltd., “Khanij Bhavan”, 132 ft. Ring Road,
University Ground, Vastrapur,
Ahmedabad-380015

Subject: Tender for Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEF/CPCB and EC / CC&A conditions and parameters at various projects of GMDC Ltd. for the years 2017 to 2019 in Gujarat State.

Dear Sir,

I/we here by solemnly declare that any of our Directors or Partners, jointly or severally and/or individually or our firm/company have not been black listed by the Central Govt. or the State Govt. or its undertakings.

I/we here by further declare that, if the declaration is found untrue, the GMDC shall be entitled to take any action against us severally and/or individually or our firm/company in this regard in any manner that may be deemed fit by GMDC.

Yours faithfully,

Signature and Stamp of the contractor

Annexure – VII

Name of the Project and no. of samples/Month to be collected

Sr. No.	Location Project Name		Air samples /Month		Water Sample/Month		Ambient Noise Sample / Month	D. G. Set / Twice in a Year
			AAQ	Stack	Effluent / Sludge / Fly Ash	Sewage / Ground / Drinking Water	Noise	D. G. Set
1	Gujarat Mineral Dev. Corp. Ltd., Lignite Project, Panandhro - 370601, Tal: Lakhpat, Dist: Kutch	No. of samples	5	0	3	4	5	5
		Parameters	Mine: Oxides of Sulphur, Oxides of Nitrogen, HCL, CL ₂ , HC, Ammonia, HF, H ₂ S, CS ₂ , PM _{2.5} and PM ₁₀ . R. O. Plant: Oxides of Sulphur, Oxides of Nitrogen, PM _{2.5} , PM ₁₀ SKV Nagar: Oxides of Sulphur, Oxides of Nitrogen, PM _{2.5} , PM ₁₀	NA	Mine Effluent: pH, Temperature, Colour, TDS, TSS, BOD, COD Amonium Nitrate, Phenolic Compound, Sulphate, Chlorides, Insecticides/Pesticides, Hexavalent Chromium, Total Chromium, F, Cu, Ni, Zn, Residual Chlorine	2 Samples for Colony STP Inlet & Outlet: pH, BOD, COD, TSS, Residual Chlorine. Ground Water at 2 Locations (Quarterly) – pH, TDS, TSS, Alkalinity, Acidity, Salinity, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Al, Sb, Be, Cl, Co, Mn, Mb, Thallium, Vanadium, Zinc.	dB(A)In Day and Night (On total Ambient Air Locations)	Particulate matter, SO ₂ , NOx Twice in a year (April-September AND October-March)

Sr. No.	Location Project Name	Air samples /Month		Water Sample/Month		Ambient Noise Sample / Month	D. G. Set / Twice in a Year	
		AAQ	Stack	Effluent / Sludge / Fly Ash	Sewage / Ground / Drinking Water	Noise	D. G. Set	
2	Gujarat Mineral Dev. Corp.Ltd., Lignite Project, Mata No Madh-370625, At Ravapar, Tal: Lakhpat, Dist: Kutch	No. of samples	6	0	3	6	6	3
		Parameters	Oxides of Sulphur, Oxides of Nitrogen PM _{2.5} , PM ₁₀ In addition to above, twice in a year (one in between APRIL-SEPTEMBER & ANOTHER ONE IN BETWEEN OCTOBER – MARCH) following parameters also has to done : Hg, As, Ni, Cd and Cr.	NA	Effluent: pH, Temperature Colour, TSS, TDS, Oil & Grease, Phenolic Compounds, Sulphides, Chlorides, Sulphates, Fluorides, Lead, total & Hexavelent Chromium, Dissolve Oxygen.	Ground Water at 6 Locations (Quarterly) – pH, TDS, TSS, Alkalinity, Acidity, Salinity, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Al, Sb, Beryllium, Cl, Co, Mn, Mb, Thallium, Vanadium and Zinc.	dB(A)In Day and Night (On total Ambient Air Locations)	Particulate matter, SO ₂ , NOx Twice in a year (April-September AND October-March)

Sr. No.	Location Project Name		Air samples /Month		Water Sample/Month		Ambient Noise Sample / Month	D. G. Set / Twice in a Year
			AAQ	Stack	Effluent / Sludge / Fly Ash	Sewage / Ground / Drinking Water	Noise	D. G. Set
3	Gujarat Mineral Dev. Corp.Ltd., 2X125, Akrimota Thermal Power Project, Village: Nani Chher-370 627, Tal: Lakhpat, Dist: Kutch	No. of samples	6	4	6	5	4	2
		Parameters	Plant & Colony STP: Oxides of Sulphar, Oxides of Nitrogen, CO, PM _{2.5} , PM ₁₀	Particulate matter, Oxides of Sulphar, Oxides of Nitrogen & CO	A] 2 Samples of Effluent / pH, Temperature, Colour (Pt. Co. Scale) in Units, TSS, Oil & Grease, Phosphate, Total Chromium and Zinc. B] Two samples of SLUDGE generated from Sea Water Treatment Plant & Two samples of Ash for TWICE IN A YEAR (One for APRIL – SEPTEMBER & ANOTHER ONE FOR OCTOBER – MARCH)	2 monthly samples of Colony STP Inlet & Outlet: pH, BOD, COD, TSS, Free Residual Chlorine. 3 Locations (4 sample per year) of Piezometers for following samples: pH, TDS, TSS, Alkalinity, Acidity, Salinity, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Al, Sb, Beryllium, Cl, Co, Mn, Mb, Thallium, Vanadium and Zinc.	dB(A)In Day and Night (On total Ambient Air Locations of project only).	Particulate Matter, SO ₂ , NO _x & Hg (April-September AND October-March)

Sr. No.	Location Project Name		Air samples /Month		Water Sample/Month		Ambient Noise Sample / Month	D. G. Set / Twice in a Year
			AAQ	Stack	Effluent / Sludge / Fly Ash	Sewage / Ground / Drinking Water	Noise	D. G. Set
4	GMDC, Gadhsisa Bauxite Group of Mines (8 Mines) Gadhsisa-370445 Tal: Mandavi	Total No. of Sample	16	0	0	8	16	0
		Parameter	SPM, Oxides of Sulphar, Oxides of Nitrogen, PM _{2.5} , PM ₁₀	NA	NA	NA	dB(A) in Day and Night (On total Ambient Air Locations)	NA
	Daban- Wamoti	2	0	0	1	2	0	
	Roha- Kotda	2	0	0	1	2	0	
	Naredi Nandra	2	0	0	1	2	0	
	Ratadia- Nagrecha	2	0	0	1	2	0	
	Mothala Balachod	2	0	0	1	2	0	
	Naredi - I & II	2	0	0	1	2	0	
	Wandh- I & II	2	0	0	1	2	0	
Goniasar	2	0	0	1	2	0		

Sr. No.	Location Project Name		Air samples /Month		Water Sample/Month		Ambient Noise Sample / Month	D. G. Set / Twice in a Year
			AAQ	Stack	Effluent / Sludge / Fly Ash	Sewage / Ground / Drinking Water	Noise	D. G. Set
5	GMDC, Lignite Project, Surkha (North)-364002 Village: Budhel, Tal: Ghogha, Dist. Bhavnagar	Total No. of samples	5	0	1	1	5	2
		Parameters	Oxides of Sulphar, Oxides of Nitrogen, PM _{2.5} , PM ₁₀	0	All parameters as per GSR 422(E) dt. 19.05.1993 & 31.12.1993	Only 1 Sample in a year in the month of May for following parameters: pH, TDS, TSS, Alkalinity, Acidity, Total Hardness, Ca, Mg, Cl, F, Nitrate, SO ₄ , PO ₄ , Fe, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Be, Co, Mn and Zn.	dB(A)In Day and Night (Total Sample Should be as given)	Particulate matter, SO ₂ , NO _x & Hg (April-September AND October-March)

Sr. No.	Location Project Name		Air samples /Month		Water Sample/Month		Ambient Noise Sample / Month	D. G. Set / Twice in a Year
			AAQ	Stack	Effluent / Sludge / Fly Ash	Sewage / Ground / Drinking Water	Noise	D. G. Set
6	Gujarat Mineral Dev. Corp. Ltd., Lignite Project, Rajpardi -393115, Tal: Jhagadia, Dist. Bharuch	No. of samples	5	0	3	6	5	3
		Parameters	SO ₂ , Oxides of Nitrogen, CO, PM _{2.5} , PM ₁₀	NA	pH, Temperature, Colour, TSS, TDS, Oil & Grease, BOD, COD, Phenolic Compound, Sulphide, Ammonical Nitrogen, Chlorides, Sulphate, Cyanide, Fluoride, Insecticides/ Pesticides, Hexavalent Cr, Total Cr, Cu, Ni, Zn, Hg, Pb, As, Cd & Bio- assay test.	2 Sewage Sample (STP Inlet & Outlet) for pH, BOD, COD, TSS & Free Residual Chlorine. Quartely 4 Samples of Piezometers in the month of May, August, November & January for parameters as: pH, TDS, TSS, Alkalinity, Acidity, Total Hardness, Ca, Mg, Cl, F, Nitrate, SO ₄ , PO ₄ , Fe, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Be, Co, Mn and Zn.	dB(A)In Day and Night (On all Ambient Air Quality Monitoring Locations)	Particulate matter, SO ₂ , NO _x (April-September AND October-March)

Sr. No.	Location Project Name		Air samples /Month		Water Sample/Month		Ambient Noise Sample / Month	D. G. Set / Twice in a Year
			AAQ	Stack	Effluent / Sludge / Fly Ash	Sewage / Ground / Drinking Water	Noise	D. G. Set
7	Gujarat Mineral Dev. Corp.Ltd., Lignite Project Tadkeshwar- 394170, Tal: Mandvi,Dist. Surat	No. of samples	5	0	1	1	5	2
		Parameters	Oxides of Sulphar, Oxides of Nitrogen, CO, PM _{2.5} , PM ₁₀ [Along with above Twice in a year (April-September AND October-March) following parameters must be included: Hg, As, Ni, Cd and Cr]	NA	All parameters as per GSR 422(E) dt. 19.05.1993 & 31.12.1993	1 Drinking Water sample for twice in a year (April-September AND October-March) as per IS10500	dB(A)In Day and Night (Total Sample Should be as given)	Particulate matter, SO ₂ , NO _x (April-September AND October-March)
8	Gujarat Mineral Dev. Corp.Ltd., Umarsar Lignite Project, village <u>Umarsar, Taluka Lakhpat, District Kutch</u>	No. of samples	6	0	2	3	6	3
		Parameters	Oxides of Sulphar, Oxides of Nitrogen, CO, PM _{2.5} , PM ₁₀ [Along with above Twice in a year (April-September AND October-March) following parameters must be included: Hg, As, Pb and Cd]		Effluent: pH, Temperature, Colour, TSS,TDS, Oil & Grease, BOD, COD, Phenolic Compound, Sulphide, Ammonical Nitrogen, Fluoride, Chloride, Sulphate,	Ground Water at 3 Locations (Quarterly) – pH, TDS, TSS, Alkalinity, Acidity, Total Hardness, Ca, Mg, Cl, F, Nitrate, SO ₄ , PO ₄ , Fe, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Be, Co, Mn and Zinc.	dB(A)In Day and Night (On all Ambient Air Locations)	Particulate Matter, SO ₂ , NO _x & Hg Twice in a Year (April-September AND October-March)

Sr. No.	Location Project Name	Air samples /Month		Water Sample/Month		Ambient Noise Sample / Month	D. G. Set / Twice in a Year	
		AAQ	Stack	Effluent / Sludge / Fly Ash	Sewage / Ground / Drinking Water	Noise	D. G. Set	
9	Gujarat Mineral Dev. Corp. Ltd., Fluorspar Project Kadipani Mines -391175 Tal: Kawant, Dist: Vadodara	No. of samples	3	0	0	0	3	0
		Parameters	Oxides of Sulphar, Oxides of Nitrogen, PM2.5, PM10 [TWICE IN A YEAR ONLY. ONE IN BETWEEN APRIL – SEPTEMBER & ANOTHER ONE IN BETWEEN OCTOBER – MARCH]	0	0	0	dB(A)In Day and Night (On Total Ambient Air Locations) [TWICE IN A YEAR ONLY. ONE IN BETWEEN APRIL – SEPTEMBER & ANOTHER ONE IN BETWEEN OCTOBER – MARCH]	0
10	Gujarat Mineral Dev. Corp.Ltd., Kadipani Plant - 391175 Tal: Kawant, Dist: Vadodara	No. of samples	4	0	0	0	4	0
		Parameters	Oxides of Sulphar, Oxides of Nitrogen, PM _{2.5} , PM ₁₀ [TWICE IN A YEAR ONLY, IN BETWEEN		0	0	dB(A)In Day and Night (On Total Ambient Air	0

Sr. No.	Location Project Name	Air samples /Month		Water Sample/Month		Ambient Noise Sample / Month	D. G. Set / Twice in a Year	
		AAQ	Stack	Effluent / Sludge / Fly Ash	Sewage / Ground / Drinking Water	Noise	D. G. Set	
		APRIL –SEPTEMBER & ANOTHER ONE IN BETWEEN OCTOBER – MARCH]					Location)	
11	Gujarat Mineral Dev. Corp. Ltd., Bauxite Project, (Mevasa Mines) Bhatia-361315 , Tal: Kalyanpur, Dist.: Jamnagar		4	0	1	0	4	0
			Oxides of Sulphur, Oxides of Nitrogen, PM _{2.5} , PM ₁₀	NA	pH, Temperature Colour, TSS, TDS, Oil & Grease, Phenolic Compounds, S, Cl, SO ₄ , Fl, Pb, total & Hexavelent Chromium, Dissolve Oxygen.	NA	dB(A)In Day and Night (On all Ambient Air Locations)	NA
12	Shivrajpur Manganese Project, village Shivrajpur, Ta. Halol, Dist. Panchmahal	No. of samples	2	0	0	0	2	0
		Parameters	Oxides of Sulphur, Oxides of Nitrogen, PM _{2.5} , PM ₁₀	-	-			dB(A)In Day and Night (On all Ambient Air Locations)

Annexure -VIII**Bi-furcation of total parameters (Year wise)**

S. No.	Particulars	Nos. of total Monitoring Samples per year
1	Ambient Air	734
2	Stack	48
3	DG set	40
4	Effluent Water	192
5	Sewage Water	72
6	Ground Water	73
7	Drinking Water	34
8	Sludge	4
9	Fly ash	4
10	Ambient Noise Sample	734