

**e- Tender No. – GMDC/ENV/02/2023**

**E-Tender**

**FOR**

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



**GENERAL MANAGER (ENVIRONMENT)**

**GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED  
(A Govt. of Gujarat Enterprise)  
CIN: L14100GJ1963SGC001206**

**KHANIJ BHAVAN, 132 FEET RING ROAD, UNIVERSITY GROUND  
VASTRAPUR, AHMEDABAD- 380 052  
Phone No. 07927913200  
TELE-FAX: (079) 2791 3038, E-mail [env@gmdcltd.com](mailto:env@gmdcltd.com)  
Visit our web-site: [www.gmdcltd.com](http://www.gmdcltd.com)**



# GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED

**Tender No. – GMDC/ENV/02/2023**

<b>Work Description</b>	:	Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEFCC/CPCB as well as EC / CC&A conditions and parameters at various projects of GMDC Ltd. in Gujarat State.
<b>Place of work</b>	:	<ol style="list-style-type: none"> <li>1. Akrimota Thermal Power Station, village Nani Chher, Tal. Lakhpat, Dist. Kutch</li> <li>2. Panandhro Lignite Project, village Panandhro, Tal. Lakhpat, Dist. Kutch</li> <li>3. Umarsar Lignite Project, village Umarsar, Taluka Lakhpat, District Kutch (Gujarat)</li> <li>4. Bauxite Group of Project (8 Mines), Gadhsisa, Ta. Mandvi, Dist. Kutch</li> <li>5. Rajpardi Lignite Project, Ta. Jhagadia, District Bharuch</li> <li>6. Tadkeshwar Lignite Project, Dist. Surat</li> <li>7. Fluorspar Mines, Kadipani, Ta. Kawant, Dist. Vadodara</li> <li>8. Fluorspar Plant, Kadipani, Ta. Kawant, Dist. Vadodara</li> <li>9. Surkha (N) Lignite Project, village Surkha, Ta. Ghogha, Dist. Bhavnagar</li> <li>10. Bauxite Project (Mevasa Mines), Bhatia-361315, Taluka- Kalyanpur, Dist. Jamnagar</li> <li>11. Shivrajpur Manganese Project, village Shivrajpur, Ta. Halol, Dist. Panchmahal.</li> </ol> <p>The GMDC reserves the right to reject any or all the bid or split the work between more than one bidder without assigning any reason thereof.</p>
<b>Period of contract</b>	:	2 (Two) Years + 1 Year Extendable on satisfactory work completion of 2 Years
<b>Estimated Value (Rs. in Lakhs)</b>	:	Rs. 64.74 Lacs (Rs. Sixty Four Lacs & Seventy Four Thousand Only) for 2 years work
<b>Tender Processing Fee (Non-Refundable)</b>	:	<p>Rs. 2000/- + GST (18%) (Rs. 360/-) = Rs. 2360/-/- (Two Thousand Three Hundred &amp; Sixty only) through D.D. in favour of 'GMDC Ltd', payable at Ahmedabad,</p> <p>DD should be from banks approved by Govt. of Gujarat from time to time (except co-operative bank) in the form and manner acceptable to the GMDC.</p>

		Relaxation in terms of submission of Tender Processing Fee shall be given to the bidder who is holding valid Certificate issued under the MSME Act, 2006 on the date of submission of Tender.
<b>EMD (Refundable)</b>	:	Rs. 1,94,220/- (Rs. One lac Ninety Four Thousands Two Hundred & Twenty Only) by D.D. in favour of ' <b>GMDC Ltd</b> ', payable at Ahmedabad.  From the banks approved by Govt. of Gujarat from time to time (except co-operative banks) in the form and manner acceptable to the GMDC.  Relaxation in terms of submission of EMD shall be given to the bidder who is holding valid Certificate issued under the MSME Act, 2006 on the date of submission of Tender.
<b>Security Deposit (From Successful Bidder(s) only)</b>	:	5 % of contract value in form of D.D. / FD / Bank Guarantee from the banks approved by Govt. of Gujarat from time to time (except co-operative bank) in the form and manner acceptable to the GMDC.
<b>Last date and time of downloading the tender</b>	:	10 <sup>th</sup> April 2023 – 15:00 Hrs.
<b>Last date and time of online submission of bid</b>	:	10 <sup>th</sup> April 2023 – 15:00 Hrs.
<b>Last date &amp; time of submission of tender processing fees, EMD and all necessary supporting documents in hard copy</b>	:	10 <sup>th</sup> April 2023 – 15:00 Hrs.
<b>Date &amp; time for on-line opening and viewing of preliminary bid</b>	:	11 <sup>th</sup> April 2023 – 12:00 Hrs.
<b>Date &amp; time for on-line opening of technical bid</b>	:	11 <sup>th</sup> April 2023 – 12:05 Hrs.
<b>Date &amp; time for on-line opening of price bid</b>	:	11 <sup>th</sup> April 2023 – 12:10 Hrs.
<b>Validity of Bid</b>	:	180 Days , Bid shall remain valid for 180 days after the date of Bid opening prescribed by GMDC Ltd. and the same may be extended unconditionally for further period of 30 days. The bid of the bidder shall be considered non responsive if such bid is valid for a period less than the bid validity period.

## CHAPTER I

### **GENERAL INSTRUCTIONS TO THE BIDDERS:**

#### **1.1 THE TENDER & THE OFFER:**

- a) 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 GMDC.
  
- b) 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/herself, all the data, information and particulars required for the satisfactory execution of the work covered under the scope of tender. The bidder should visit the location of work where the work is to be executed and understand the scope of work before quoting the price bid. Site visit declaration may be submitted as per format.
  
- c) The tender document and forms referred to in the tender, if not submitted or if submitted but not duly filled in (where required) and signed, will result in rejection of the tender.
  
- d) It is a three-bid system. The bid is required to be submitted online latest within the date and time prescribed in the tender notice.

#### **Part – I Preliminary Bid**

Details of DD for EMD and Tender Processing Fee shall be submitted online. Further, Original Demand Drafts of **Tender Processing Fee and EMD** should be submitted before last date on below given address in two separate and sealed envelopes along with their respective forms. These both envelopes should be placed in a separate and sealed cover subscribed as **“PRELIMINARY BID” Tender No. and Name of work.**

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

Relaxation in terms of submission of Tender Processing Fee & EMD shall be given to the bidder(s) who is/are holding valid Certificate issued under the MSME Act, 2006 on the date of submission of Tender.

## **Part - II Technical bid (Annexure I to VII)**

Technical bid documents i.e. **Annexure I to IV** is to be submitted online only within stipulated period as per tender notice document. However, the supporting documents required for these Annexure like experience certificate/letter of engagement from company, financial position, status of the bidder, list of equipments owned by the bidder, copies of certificates in support of qualification and experience, certificates of accreditation required for Labs, Permanent Account Number (PAN), Goods & Service Tax etc. shall be placed in separate & sealed cover subscribed as **“TECHNICAL BID, Tender No. and Name of work etc.** **Annexure V, VI & VII** having bidder sign and stamp on each page should be submitted in hard copy only.

## **Part – III Price-bid (Annexure VIII & IX):**

To be submitted **on line only** within the stipulated time in both the Annexure. Submission of online bid in both the Annexure (**Annexure VIII & IX**) is compulsory and the grand total value bid in Annexure VIII must be similar with grand total value bid in Annexure IX. L1 bidder shall be determined on the basis of lowest amount of grand total received in Annexure IX. If Bidder submits the price bid in any one annexure only and not in the both the Annexure, their bid shall be summarily rejected.

All supporting documents along with tender processing fee and EMD in a sealed envelope subscribed **“Pre & Technical Bid, Tender No. and Name of work etc.** **must reach till last date on below given address:**

**General Manager (Environment)**  
**Contact: 9909031790**  
**Gujarat Mineral Development Corporation Limited**  
**“Khanij Bhavan”, 7<sup>th</sup> Floor, ‘A’ Wing,**  
**132 ft Ring Road, Nr. University Ground,**  
**Vastrapur, Ahmedabad – 380 052**

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

**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 submitting their offer. In case of any doubt they may seek clarification from General Manager (Environment) at the corporate office of the GMDC at Ahmedabad, **Contact: 9909031790**.

### **1.3 Opening of bids**

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

Technical bid of only those bidders will be opened from whom tender processing fee and EMD will be received by GMDC. Then Technical bid will be opened online along with hard copies of signed and stamped copy of technical document and all essential supporting documents to verify that bidder is technically qualified or not for the desired work.

Price Bid will be opened only of those bidders who are observed technically qualified. Date and time of opening of Price Bid will be intimated to the technically qualified bidders.

**1.4** 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.

**1.5** 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@gnfc.net](mailto:nprocure@gnfc.net)**

**1.6** 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.

**1.7** 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.

**1.8** (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.

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

**1.10** 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.

### **1.11 Corrigendum:**

Bidders are requested to see the website <https://gmdc.nprocure.com> from time to time before due date of Tender opening to 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 solely that of the downloading parties.

No separate intimation in respect of corrigendum will be sent to Bidders who downloaded the Tender document.

## **2.0 EXAMINATION :**

**2.1** 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/her fully with all the conditions and matters therein, which may, in any manner, affect the work and the cost thereof.

**2.2** The Bidder would acquaint himself/herself with all Government Procedures, Permissions, Mining and Labour laws, Environment 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.

**2.3** 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/her of any risk or liabilities or

responsibilities for completion of the entire work in accordance with the terms and conditions of the tender document.

**2.4** The Bidder shall be required to visit the mines site and its surroundings, carefully examined to satisfy him/her about the existing site conditions, availability of local facilities, means of transport etc. before quoting rates. Site visit declaration shall be submitted as per the format (Annexure V) and it must be certified by GMDC site representatives.

**3.0** Any conditional tender will be rejected outright and no claim whatsoever in respect thereof shall be entertained.

**4.0** GMDC reserves the right to reject / cancel any or all offer submitted by the bidders without assigning reasons and to discuss 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** Submission of False or incorrect information, history of delaying in completion of work, reports of unprofessional conduct among other things shall be sufficient grounds for disqualification in technical bid.

**6.0** To assist in the scrutiny, evaluation and comparison of bids, GMDC, may at its discretion to seek from any or all bidders, clarification(s) on his/her bids including technical information, documents, materials after the Technical Bid opening but before the opening of price bid. The request for Clarification and response shall be in writing but no change in final price or substance of bid shall be permissible.

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

**8.0** 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.

**9.0** Validity of the offer: 180 Days , Bid shall remain valid for 180 days after the date of Bid opening prescribed by GMDC Ltd. and the same may be extended unconditionally for further period of 30 days. The bid of the bidder shall be considered non responsive if such bid is valid for a period less than the bid validity period.

**ON BIDDER LETTER HEAD**

Dated

To,

**General Manager (Environment)  
Gujarat Mineral Development Corporation Limited,  
“Khanij Bhavan”, 7<sup>th</sup> floor, “A” wing”, 132 ft. Ring road,  
Nr. University Ground, Vastrapur, Ahmedabad – 380 052**

E-Tender No. – **GMDC/ENV/02/2023**

**Subject: Tender for Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEFCC/CPCB as well as EC / CC&A conditions and parameters at various projects of GMDC Ltd. 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/MoEFCC/CPCB and EC / CC&A conditions and parameters at various projects of GMDC Ltd. in Gujarat State”. We shall collect all the information as per regulatory requirement from all GMDC projects along with Environmental Monitoring Reports and Analysis Summary Reports etc. at our own cost. Our contract period shall not be more than two years.

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

I am/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 BIDDER LETTER HEAD**

FROM:

LETTER NO.:

DATE:

**To,  
General Manager (Environment)  
Gujarat Mineral Development Corporation Limited,  
“Khanij Bhavan”, 7<sup>th</sup> floor, “A” wing”, 132 ft. Ring road,  
Nr. University Ground, Vastrapur, Ahmedabad – 380 052**

Sub. : Tender Processing Fee for Tender document no. **GMDC/ENV/02/2023** for  
“**Monthly Environmental Monitoring and Analysis as per guidelines of  
GPCB/MoEFCC/CPCB as well as EC / CC&A conditions and parameters at  
various projects of GMDC Ltd. 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.  
2360/-** (including GST) [**Rs. Two Thousands Three Hundred and Sixty only**] is  
being the amount of Tender Processing Fee.

**Thanking you,**

**Yours faithfully,**

**Name / Signature & Stamp**

**ON BIDDER LETTER HEAD**

FROM:

LETTER NO.:

DATE:

**General Manager (Environment)  
Gujarat Mineral Development Corporation Limited,  
“Khanij Bhavan”, 7<sup>th</sup> floor, “A” wing”, 132 ft. Ring road,  
Nr. University Ground, Vastrapur, Ahmedabad – 380 052**

Sub. : EMD for e-Tender Document No. **GMDC/ENV/02/2023** for  
“**Monthly Environmental Monitoring and Analysis as per guidelines of  
GPCB/MoEFCC/CPCB as well as EC / CC&A conditions and parameters at  
various projects of GMDC Ltd. in Gujarat State**”.

Dear Sir,

With reference to above, and as per terms & conditions of e-Tender, we are  
sending herewith DD No. \_\_\_\_\_ Dated \_\_\_\_\_  
\_\_\_\_\_ Name of the Bank and Branch, \_\_\_\_\_  
\_\_\_\_\_ for **Rs. 1,94,220/- (Rs. One lac Ninety Four Thousands Two Hundred &  
Twenty Only)** is being the amount of EMD.

**Thanking you,**

**Yours faithfully,**

**Name / Signature & Stamp**

## CHAPTER II

### 1.0 TERMS AND CONDITIONS:

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/MoEFCC/CPCB as well as EC / CC&A conditions and parameters at various projects in Gujarat State of GMDC Ltd.** Contract period will be two (2) years from the commencement of the work of environmental monitoring and submission of reports. Work of successful bidder, after the award of work order, will be reviewed on annual basis and after getting satisfactory performance during 1<sup>st</sup> year, work may be continued for 2<sup>nd</sup> year and successful bidder has to be agreed for the same without any objection. GMDC can also extend the validity of work order for Third year (subject to the approval from GMDC Competent Authority), if successful bidder will agree to continue the work on same rates and terms and conditions etc.

### 2.0 SCOPE OF WORK:

**[A] SCOPE OF SUCCESSFUL BIDDER:** To carryout monthly environmental monitoring and analysis of Ambient Air Quality, Fugitive Dust, Work place dust monitoring, Stack / DG set emission, mine water, untreated and treated sewage, ground/surface water, drinking water, sludge, ash/leachate and Ambient and Work place noise, Illumination level samples etc. as per GPCB, MoEFCC and other statutory agencies requirements at our 11 projects mentioned in **Annexure-VI**. No monitoring shall be carried out when mines /plant is closed. If required, it can be taken only after written consent/ instructions of respective General Manager (Project) on site locations.

- (i) Successful 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 Successful Bidder for Ambient Air Quality Monitoring should be designed as per CPCB/USEPA guidelines. Portable DG set has to be used for AAQ monitoring, wherever required and at least one location at each project should be considered as the requirement of portable DG set for ambient air quality monitoring. At Rajpardi project, ambient air samples are to be taken on three locations twice in a week i.e. 104 samples per year/location (Total 312 Samples per annum).

- (ii) Successful Bidder should ensure to depute Qualified Staff at least Graduate or Post graduate in Environmental Science or M.Sc. Chemistry or equivalent and above, for environmental monitoring at GMDC projects and analysis at Successful bidder laboratory. Persons deputed for environmental monitoring should have at least 3 years similar experience.
- (iii) GMDC's projects are mines & TPP, therefore from safety point of view; Successful bidder should send only good and heavy vehicles suitable for monitoring at mining site like Tata Sumo, Travera, Innova etc with 4- wheel drive and van vehicle shall not be allowed to enter in the project.
- (iv) Successful Bidder shall send necessary Equipments / instruments having valid calibration certificates, consumables, reagents, etc. required for the job.
- (v) Successful Bidder shall remain in contact with the Officer-In-Charge of Environment at individual Projects, get approval of their visit plan via mail and then shall plan their visits in consultation with them.
- (vi) During tenure of contract, if any parameter is added due to change in regulation or monitoring guidelines by regulatory authority; Successful Bidder has to carry out the analysis free of cost. However, if the number of samples is increased, Successful Bidder will be paid additional per sample charges as indicated in Para under rates for the respective Project. Furthermore, Successful bidder shall be bound to carry out the monitoring as per requirements.
- (vii) Successful 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 GMDC:**

- i. To approve visit plan and provide guidance regarding all the Monitoring locations and their details
- ii. To provide required data / information pertaining to GMDC.
- iii. GMDC shall not be responsible to provide lodging/boarding to the Successful bidder team but can be provided on chargeable basis as when and where available.
- iv. Approachable Roads in all season up to monitoring locations.

- 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.

### **3.0 QUALIFICATION AND EXPERIENCE CRITERIA:**

- a) Successful Bidders must be recognized by Ministry of Environment, Forests & Climate Change (MOEFCC) as well as Gujarat Pollution Control Board (GPCB) and NABL.
- b) Successful Bidder must have minimum 10 years of similar experience till year ended on 31/12/2022 in Stack, Ambient Air / Noise Quality, Water/Effluent Quality Monitoring and Analysis etc.
- c) Successful Bidder should have successfully completed similar works during last 10 years ending 31.12.2022 along with the followings:
  - 1. Three similar works each of only environmental monitoring and analysis costing not less than the amount equal to Rs. 25,89,600/- (i.e. 40% of the estimated cost )  
**OR**
  - 2. Two similar works each of only environmental monitoring and analysis costing not less than the amount equal to Rs. 32,37,000/- (i.e. 50% of the estimated cost )  
**OR**
  - 3. One similar work of only environmental monitoring and analysis costing not less than the amount equal to Rs. 51,79,200/- (i.e. 80% of the estimated cost).
  - 4. Successful Bidder must have qualified (Post graduate in Environmental Science or M.Sc. Chemistry or equivalent and above) and experienced staff (at least 3 years) in Environmental Monitoring and Analysis.
  - 5. Successful Bidder must own laboratory having facility as per NABL/MOEFCC/GPCB requirements for Stack Emission Monitoring, Ambient Air Monitoring and all other samples/parameters along with water/effluent etc. These must be compulsorily available with bidder as well as details with make and model etc. to submit to the tenderer.
- d) Average annual Turnover of bidder should not be less than Rs. 20,00,000/- (Twenty Lakhs) of last three financial years ending on 31.03.2022.
- e) Bidder net worth should be positive in last 5 years ending on 31.03.2022.

#### **4.0 OUTCOME:**

1] Project wise Analysis Reports in Hard as well as soft copies in e-mail; every month should be sent to respective project office along with invoice for payment. Invoice of all the projects as well as the copies of site visit reports also should be submitted in GMDC Corporate Office.

2] Copies of Site visit report duly signed by GMDC representative and Successful Bidder representatives in Hard in support of certifying the actual work.

3] Project wise Analysis Reports Summary in excel sheet in soft format should be mailed quarterly to project environment representatives as well as GMDC Corporate Office.

4] The format of submitted analysis Report should be in line to the requirements of NABL.

5] Ambient air quality analysis reports should also include details of Wind direction, Wind speed, Latitude & Longitude of Sampling Locations as well as sampling start and end time without fail.

6] Successful bidder shall be responsible for resolving/complying any query/objection related to sampling/ analysis/ report by the Regulatory authorities.

#### **5.0 DURATION:**

The period of contract shall be initially for 2 years from the date of commencement of work of Environmental Monitoring as per the instructions received from GMDC. Upon satisfactory completion of work, GMDC can extend the validity of work order for 3<sup>rd</sup> year, if successful bidder will agree to continue the work on same rates and terms and conditions etc.

#### **6.0 TERMS OF PAYMENT:**

Payment will be released on monthly basis from respective site locations after receipt of followings:

1. Respective Monthly running bill to site offices.
2. Original Copies of Analysis Reports – One set hard copy at individual project site and via email to Corporate Office.

3. Hard Copies of Site visit form duly signed by GMDC representative and Successful Bidder representatives along with bill to respective site offices. .
4. The payment will be made only after receipt of the bill along with Analysis reports and Site visit Forms.
5. GST shall be reimbursed as per actual after receipt of documentary evidence of GST.
6. TDS and other deduction, if any, shall be deducted as applicable.
7. All payments will be made by cheques/RTGS only by respective project offices.

#### **7.0 TAXES, DUTIES & LEVIES AND STATUTORY OBLIGATIONS:**

All applicable taxes and duties etc. shall be paid additional as per prevailing rules.

“GST will be paid / adjusted / reimbursed to the successful bidder upon submission of proof as per prevailing rates & rules to the extent directly related to the services rendered by the successful bidder under the said contract subject to production of documentary proof and successful bidder will mention the GST amount separately in the invoice / bill after considering the abatement, if any.

Any other fresh imposition or variation in existing taxes or levies during the currency of the contract by the Govt. if applicable after submission of the bid and payable by the successful bidder, shall be reimbursed by GMDC at actual subject to submission of documentary proof of having remitted the same and to the extent directly related to the services rendered by the successful bidder under this contract. This shall be subject to submission of documentary proof clearly mentioning the name of work and respective RA Bill No.

TDS will be deducted from the bills as per prescribed rule.

#### **8.0 SUBLETTING OF THE WORK:**

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

#### **9.0 TENDER PROCESSING FEE AND EARNEST MONEY DEPOSIT:**

- (a) A non-interest bearing DD of TENDER Processing Fee of Rs. 2000/- (Two Thousands only) and GST of Rs. 360/- (Three Hundred & Sixty only) (18% of tender processing fee), totalling to 2000 + 360 = 2360/- (Rs. Two Thousands Three Hundred & Sixty only) and Earnest Money Deposit of Rs. 1,94,220/- (Rs. One lac Ninety Four Thousands Two Hundred & Twenty Only) shall be submitted along with desired form provided with tender in separate sealed cover super scribed

“TENDER Processing Fee / EMD” in favour of GMDC Ltd. payable at Ahmedabad from banks approved by Govt. of Gujarat from time to time (except co-operative bank) in the form and manner acceptable to the GMDC. 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 EMD will be refunded to the unsuccessful bidders by way of crossed cheque/RTGS within 30 days from the date of determination of L1 bidder.
- (c) Tender Processing Fee is non refundable and EMD of successful bidder will be refunded after the receipt of Security Deposit.
- (d) If the successful bidder does not accept the LOI / work order issued by G.M.D.C., then EMD amount paid by the bidder will be forfeited.
- (e) EMD will not bear any interest.
- (f) Liquidated damages may be recovered from EMD/SD.

#### **10.0 SECURITY DEPOSIT:**

- (a) The successful bidder shall have to deposit Security Deposit @ 5% of the total contract value within 20 days after the receipt of LOI by way of DD or FD or Bank Guarantee in favour of “GMDC Ltd.” payable at Ahmedabad from banks approved by Govt. of Gujarat from time to time (except co-operative bank) in the form and manner acceptable to the GMDC.
- (b) If the successful bidder does not pay Security Deposit or does not fulfil any of the terms & conditions of this e-Tender, Earnest Money Deposit paid by such successful bidder shall be liable to be forfeited by the GMDC.
- (c) Security Deposit paid by the successful bidder shall be liable to be forfeited by the GMDC, if he/she is not adhering to maintain the terms & conditions of the e-Tender.
- (d) Security Deposit paid by successful bidder will be refunded within 3 months after the satisfactory completion of the contract.
- (e) Security Deposit shall not bear any interest.
- (f) GMDC reserves the right to recover the charges or the liquidated damages from the Security Deposit in the following circumstances:
  - (i) If contractor cause any damages or destroy any property belonging to GMDC.
  - (ii) The shortfall amount of all compensations, liquidated damages and other sums of money payable by successful bidder or recoveries to be made under the terms of this contract which is due but not paid by the successful bidder in full etc.

#### **11.0 ACCEPTANCE OF LOI:**

If the successful bidder does not accept the Letter of Intent within the 20 days, the

EMD paid by him/her will be forfeited. The work will be awarded to the technically qualified L1 bidder evaluated based on sum of grand total of total cost of both the years of all projects.

#### **12.0 LIQUIDATED DAMAGES/PENALTY:**

The Successful Bidder shall be responsible to complete the entire work as specified / described under Location and Description of the site as well as 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 successful bidder will be required to complete the entire job at the satisfaction of GMDC". In case the successful bidder fails to complete the work in the event at the utmost satisfaction of GMDC, liquidated damages @ 1% of the monthly RA-bill value subject to a maximum of 10% of the total monthly bill payable shall be levied on the successful bidder.

GMDC shall be entitled to deduct such liquidated damages/Penalty from RA Bills / Dues that may become payable to the successful bidder.

#### **13.0 ACCEPTANCE OF GENERAL TERMS & CONDITIONS:**

The Successful bidder should unconditionally and compulsorily accept all the terms and conditions of the contract by signing & stamping on each page of tender document including the annexure, corrigendum, if any etc.

#### **14.0 BLACK LISTING OF THE BIDDER:**

The Successful Bidder or its directors should not have been black listed by any Government Organization. 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.

#### **15.0 NON FULLFILMENT OF TERMS & CONDITIONS & TERMINATION OF THE CONTRACT:**

1. If the successful bidder fails to carry out the work as per terms and conditions of the contract to the satisfaction of the GMDC, GMDC shall be entitled to forfeit the security deposit paid by the Successful bidder. This however, shall not absolve the

bidder from his obligation to fulfil the contract. In such event, the CORPORATION shall have a right to complete and / or to get the work completed at the cost & risk of the Successful bidder & he/she shall be responsible to pay such cost incurred by the GMDC to complete the work and / or to get the work completed.

2. Likewise, if the Successful bidder does not fulfil the terms and conditions of the contract and does not carry out the work up to the entire satisfaction of GMDC, GMDC has the right to forthwith terminate the contract at its sole discretion, without assigning any reason, Under such events, the GMDC shall be entitled to forfeit the security deposit paid by the Successful bidder and GMDC shall have a right to complete the work and / or to get the work completed at the risk and cost of the Successful bidder.
3. For any reasons, if it is required, the GMDC reserves rights 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 Contractor and without incurring any responsibility. For such cases, Successful bidder shall have to take away his labour, tools, tackles, machinery, equipment etc. and shall leave the site at once or shall have to carry out the instructions of the GMDC.

#### **16.0 JURISDICTION:**

Matter relating to any dispute or difference arising out of this E-Tender and subsequent contract shall be subject to the exclusive jurisdiction of Courts at Ahmedabad only.

#### **17.0 ARBITRATION:**

The parties shall endeavour, in the instance, to resolve any dispute, disagreement or difference arising out of or in connection with this tender and subsequent Agreement, including any question regarding its interpretation, performance, existence, validity, termination and the rights and liabilities of the Parties to this Agreement (a “Dispute”) through good faith negotiations.

“All questions, disputes, differences and/or interpretation of tender & subsequent agreement whatsoever, which may at any time arise between the parties to this tender & subsequent in connection with the contract or any matter arising out of or in relation thereto, shall be referred to Sole Arbitrator as per the provisions of Arbitration and Conciliation Act, 1996 and subsequent amendment thereto. The venue of arbitration proceedings shall be at Ahmedabad. The Language of the

Arbitration shall be in English.”

**18.0 FORCE MAJEURE:**

1. Force majeure is herein defined as any cause which is beyond the control of the contractor or the Corporation as the case may be which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as:
  - i. natural phenomena such as flood, draughts Cyclone, earthquake and epidemics, declaration of war.
  - ii. Acts of any government, including but not limited to war, declared or undeclared priorities, quantities, embargoes, providing either party shall within fifteen (15) days from the occurrence of such a cause notify the other in writing of such cases.
2. The Successful bidder will advise, in the event of his/her having resort to this clause by a registered letter duly certified by the statutory authorities, the beginning and end of the cause of delay, within fifteen days of the occurrence and cessation of such Force Majeure condition. In the event of delay lasting over two months, if arising out of Force Majeure, the contract may be terminated at the discretion of the GMDC.
3. For delay arising out of Force Majeure, the Successful bidder will not claim extension in completion date for a period exceeding the period of delay attributable to the causes of force Majeure and neither company nor he Contractor shall be liable to pay extra costs (like increase in rates, remobilization, advance, idle charges for labour and machinery etc.) provided it is mutually established that the Force Majeure conditions did actually exist.

If any of the Force Majeure conditions exists in the place of operation of the Successful bidder even at the time of submission of bid he will categorically specify them in his bid and state whether they have been taken into consideration in their quotations.

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

**19.0 CHANGES IN CONSTITUTION OF ENTITY:**

The Successful bidder shall not change its constitution of entity during the currency of the contract without prior approval of GMDC. In case the contractor is desirous to change its constitution during the currency of the contract than upon receipt of the prior approval from the GMDC, the agreement to that effect shall be executed by and between GMDC and Successful bidder so as to protect the interest of the parties.

**20.0** Successful Bidder shall abide by all the statutory regulations applicable at the project e.g. Mines Act, Environment Acts, Factory Act and other related Law & Regulations etc.

**21.0** Successful Bidder shall abide by all the conditions of this E-Tender as well as the terms and conditions mentioned in the tender document published for this work.

**22.0 Fore Closure:**

In case of any necessity arising due to any unforeseen reason not in the control of the GMDC or of the Successful Bidder, GMDC reserves the right to foreclose the contract awarded to the Successful Bidder and for which the Successful Bidder shall not be entitled to claim any compensation thereof.

## STATUS OF BIDDER

<b>Name of the Bidder</b>	
<b>Full Address</b>	
<b>Telephone No.</b>	
<b>Fax No.</b>	
<b>E-Mail Address</b>	
<b>Name &amp; Designation of Authorized person</b>	
<b>Copy of last three years Balance Sheet ended on 31/03/2022.</b>	
<b>Name of bankers with full address and telephone no.</b>	
<b>Bank Account Details with IFSC Code etc. so that EMD can be refund in case of dis-qualification or if remain unsuccessful.</b>	
<b>Details of PAN No. (Please attach copy)</b>	
<b>Details of GST</b>	
<b>Detail of GPCB Accreditation</b>	
<b>Detail of MOEFCC Authorization / NABET Accreditation</b>	
<b>Detail of NABL Accreditation</b>	

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

**Annexure – II**

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

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**

<b>Particulars of skilled manpower deployed on</b>	<b>Qualification and Year</b>	<b>Strength (Nos.)</b>	<b>Experience (Years)</b>
Environment Engineer / Chemist / Analyst etc.			
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.



**FORM K**

**DECLARATION ABOUT THE SITE VISIT  
(ON LETTER HEAD OF THE BIDDER)**

**Name of Works:**

**The Work of** \_\_\_\_\_

We \_\_\_\_\_ hereby certify that we have visited the site in respect of tender No. \_\_\_\_\_ For the work mentioned above. We have obtained all relevant details, information, data, existing working conditions, existing industrial environment etc. We have also studied the scope of work proposed in the tender and availability of resources etc.

We hereby agree and undertake not to raise any dispute and/or objection at any stage on any ground whatsoever, during the currency of the contract, if awarded to us.

**SIGNATURE OF THE BIDDER WITH SEAL**

Date .....

**Note:** This Annexure should be certified by GMDC representatives of individual project after completion of site visit.

**Annexure - VI**

**Detail of Project wise Number of Samples (Per Annum):**

Sr. No.	Project	Sample Description																	
		AAQ	Fugitive Dust	Illumination Level	Stack Emission	Mine Water/ Effluent	ETP Sludge	ETP Inlet	ETP Outlet	Ash Leachate	STP Inlet	STP Outlet	Ground/ Surface Water	Drinking Water	RO Reject	Workplace Air Monitoring	Workplace Noise Monitoring	Ambient Noise	D.G Set
1	Panandhro Lignite Project, village Panandhro, Tal. Lakhpat, Dist. Kutch	36	0	0	0	12	0	0	0	1	2	12	4	1	0	0	0	36	0
2	Akrimota Thermal Power Station, village Nani Chher, Tal. Lakhpat, Dist. Kutch	72	0	20	36	24	4	0	0	4	2	12	12	1	0	12	12	72	0
3	Calcined Bauxite Project (8 Mines), Gadhsisa, Dist. Kutch	288	0	0	0	8	0	0	0	0	0	0	16	8	0	0	0	288	0
4	Surkha (N) Lignite Project, Bhavnagar	60	8	0	0	12	2	0	0	0	0	0	24	12	4	0	0	60	4
5	Rajpardi Lignite Project, Dist. Bharuch	312	0	0	0	24	2	0	0	0	2	12	8	1	0	0	0	36	4
6	Tadkeshwar Lignite Project Dist. Surat	60	0	0	0	24	2	0	0	0	0	0	4	1	0	0	0	60	4
7	Umarsar Lignite Project, village Umarsar Tal. Lakhpat, Dist. Kutch	48	8	0	0	24	2	0	0	1	0	0	12	5	2	0	0	48	6
8	Fluorspar Mines, Kadipani, Ta. Kawant, Dist. Vadodara	48	0	0	0	2	0	0	0	0	0	0	4	1	0	0	0	48	0
9	Fluorspar Plant, Kadipani, Ta. Kawant, Dist. Vadodara	36	0	10	24	0	2	12	12	0	0	0	0	1	0	4	10	36	4
10	Bauxite Project, Mevasa, Dist Jamnagar	48	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	48	0
11	Shivrajpur Manganese Project, Village Shivrajpur, Ta. J Halol, Dist. Panchmahal	24	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	24	0
<b>Total</b>		<b>1032</b>	<b>16</b>	<b>30</b>	<b>60</b>	<b>133</b>	<b>14</b>	<b>12</b>	<b>12</b>	<b>6</b>	<b>6</b>	<b>36</b>	<b>84</b>	<b>33</b>	<b>6</b>	<b>16</b>	<b>22</b>	<b>756</b>	<b>22</b>

## Name of the Project and no. of samples 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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
1	Gujarat Mineral Dev. Corp. Ltd., Lignite Project, <b>Panandhro-</b> 370601, Tal: Lakhpat, Dist: Kutch	Description for nos. of samples & Parameters to be done	<b>3 locations every month</b> <b>Mine:</b> Oxides of Sulphur, Oxides of Nitrogen, PM <sub>2.5</sub> , PM <sub>10</sub> <b>R. O. Plant:</b> Oxides of Sulphur, Oxides of Nitrogen, PM <sub>2.5</sub> , PM <sub>10</sub> <b>SKV Nagar:</b> Oxides of Sulphur, Oxides of Nitrogen, PM <sub>2.5</sub> , PM <sub>10</sub>	NA	<b>Mine Effluent:</b> 1 sample every month pH, Temperature, Color, TDS, TSS, BOD, COD Ammonical Nitrogen, and Phenolic Compound. <b>Ash Leachate:</b> 1 samples of Ash leachate in a year	<b>2 samples per annum of Colony STP Inlet &amp; 1 monthly sample of STP Outlet:</b> pH, TSS, BOD and Fecal coliform. <b>GW:</b> 2 Locations of Piezometers for Pre-monsoon (April-May) and post-monsoon (November) for: <b>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.</b> <b>DW:</b> 1 Drinking Water sample once per year as per IS:10500	1 sample from 3 locations every Month dB(A)In Day and Night (On total Ambient Air Locations)	NA
<b>Total no. of samples, Panandhro</b>			<b>3*12= 36/Annum</b>	<b>0</b>	<b>Mine water=1*12= 12/Annum</b> <b>Ash leachate = 1/Annum</b>	<b>STP I/L - 1*2= 2/Annum</b> <b>STP O/L - 1*12= 12/Annum</b> <b>GW = 2*2=4/Annum</b> <b>DW = 1/Annum</b>	<b>3*12=36/Annum</b>	<b>0</b>

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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
2	Gujarat Mineral Dev. Corp.Ltd., 2X125, <u>Akrimota Thermal Power Project</u> , Village: Nani Chher-370 627, Tal: Lakhpat, Dist: Kutch	Description for nos. of samples & Parameters to be done	1 sample from 6 locations every month <b>Plant &amp; Colony STP:</b> Oxides of Sulphur, Oxides of Nitrogen, CO, PM <sub>2.5</sub> , PM <sub>10</sub>	3 stacks every Month Particulate matter, Oxides of Sulphur, Oxides of Nitrogen & CO	A] Effluent: 2 Samples of Effluent every Month/ pH, Temperature, Color (Pt. Co. Scale) in Units, TSS, Oil & Grease, Phosphate, Total Chromium and Zinc. B] Sludge: 2 sample Sludge generated from Sea Water Treatment Plant TWICE IN A YEAR (May & November)  Ash leachate: 2 samples TWICE IN A YEAR (May & November)	2 samples per annum of Colony STP Inlet & 1 monthly sample of STP Outlet: pH, BOD, COD, TSS, Free Residual Chlorine.  3 Locations (Quarterly) of Piezometers for: 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.  DW: 1 Drinking Water sample once per year as per IS:10500	6 locations every month  dB(A) in Day and Night  (On total Ambient Air Locations of project only).  Workplace Noise Monitoring – 6 locations twice in a year	0
Total no. of samples, ATPS			AAQ – 6*12 = 72/Annum	3*12 = 36/Annum	Effluent – 2*12 = 24/Annum	STP I/L – 1*2 = 2/Annum	6*12=72/Annum	0
			Workplace – 6*2 = 12/Annum		Sludge – 2*2 = 4/Annum	STP O/L – 1*12 = 12/Annum	Workplace Noise – 6*2 = 12/Annum	
			Illumination level – 10*2 = 20/Annum		Ash leachate – 2*2 = 4/Annum	GW – 3*4=12/Annum		
						DW= 1/Annum		

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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
3	GMDC, Gadhsisa Bauxite Group of Mines (8 Mines) Gadhsisa- 370445 Tal: Mandvi	Description for nos. of samples & Parameters to be done	2/4 locations from each mine every month SPM, Oxides of Sulphur, Oxides of Nitrogen, PM <sub>2.5</sub> , PM <sub>10</sub>	NA	Mine water 1 sample from each mine once (Post monsoon) in a year, in the month of October	1 Drinking Water sample once per year from each mine as per IS:10500	2/4 locations from each mine every month dB(A) in Day and Night (On total Ambient Air Locations)	NA
	Daban- Wamoti		2			Ground water 1 sample from each mine twice in a year for: pH, TDS, TSS, Alkalinity, Acidity, Total Hardness, Ca, Mg, Cl, F, Nitrate, SO <sub>4</sub> , PO <sub>4</sub> , Fe, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Be, Co, Mn and Zn.	2	
	Roha- Kotda		2				2	
	Naredi Nandra		2				2	
	Mothala Balachod		2				2	
	Ratadia- Nagrecha		4				4	
	Naredi - I & II		4				4	
	Wandh- I & II		4				4	
	Goniasar		4				4	
<b>Total no. of samples, Gadhsisa</b>			<b>24*12 = 288/Annum</b>	<b>0</b>	<b>1*8 = 8/Annum</b>	<b>DW – 1*8 = 8/Annum GW – 1*2*8 = 16/Annum</b>	<b>24*12 = 288/Annum</b>	<b>0</b>

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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
4	GMDC, Lignite Project, <u>Surkha (North)</u> -364002 Village: Budhel, Tal: Ghogha, Dist. Bhavnagar	Description for nos. of samples & Parameters to be done	<b>5 locations every Month</b> Oxides of Sulphur, Oxides of Nitrogen, PM2.5, PM10	NA	<b>Mine Effluent:</b> 1 sample every Month pH, Temperature, Color, TDS, TSS, BOD, COD Ammonical Nitrogen, and Phenolic Compound.	<b>GW:</b> 6 locations quarterly in a year Pre-monsoon (April-May), Monsoon (August), post-monsoon (November) and Winter (January) for: pH, TDS, TSS, Alkalinity, Acidity, Total Hardness, Ca, Mg, Cl, F, Nitrate, SO4, PO4, Fe, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Be, Co, Mn and Zn.  <b>DW:</b> 1 Drinking Water sample (RO Treated Water) once in a month as per IS:10500  <b>RO Reject:</b> 2 RO Reject Water Twice in a year for following parameters: pH, Temperature, Color (Pt. Co. Scale) in Units, TDS, TSS, Oil & Grease, Phosphate, Total Chromium and Zinc.	<b>5/Month</b>  dB(A)In Day and Night (Total Sample Should be as given)	<b>2X2/Year</b>  Particulate matter, SO <sub>2</sub> , NO <sub>x</sub> & Hg (May AND November)
			Fugitive dust monitoring 2 locations quarterly in non-monsoon months to be undertaken		<b>Sludge:</b> 1 sample SLUDGE generated from ETP <b>TWICE IN A YEAR (May &amp; October)</b>			
Total no. of samples, Surkha (N)			AAQ - 5*12 = 60 / Annum	0	Mine water - 1*12=12/Annum	<b>GW - 6*4 = 24/Annum</b>	<b>5*12 = 60/Annum</b>	<b>2*2 = 4/Annum</b>
			Fugitive Dust - 2*4 = 8/Annum		Sludge - 1*2 = 2/Annum	<b>DW - 12/Annum</b> <b>RO Reject Water - 2*2 = 4/Annum</b>		

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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
5	Gujarat Mineral Dev. Corp. Ltd., Lignite Project, <u>Rajpardi</u> - 393115, Tal: Jhagadia, Dist. Bharuch	Description for nos. of samples & Parameters to be done	26 samples every month (3 locations twice a week, 312 samples per Annum)  SO <sub>2</sub> , Oxides of Nitrogen, CO, PM <sub>2.5</sub> , PM <sub>10</sub> <b>(Annual arithmetic mean of 104 measurements in a year at particular site taken twice a week 24 hourly at uniform intervals)</b>	NA	<b>Effluent/ETP: 2 samples every Month</b>  <b>Parameters:</b> pH, Temperature, Color, 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, total heavy metal. Bio- assay test, SAR, % Sodium  <b>Sludge:</b> 1 sample SLUDGE generated from ETP for <b>TWICE IN A YEAR (May &amp; October)</b>	<b>2 samples per annum of STP Inlet &amp; 1 monthly sample of STP Outlet:</b> pH, BOD, COD, TSS & Free Residual Chlorine.  <b>GW:</b> Only 2 Sample each from 2 nos. of dug quarterly in a year Pre-monsoon (April-May), Monsoon (August), post-monsoon (November) and Winter (January) for following <b>parameters:</b> pH, TDS, TSS, Alkalinity, Acidity, Total Hardness, Ca, Mg, Cl, F, Nitrate, SO <sub>4</sub> , PO <sub>4</sub> , Fe, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Be, Co, Mn and Zn.  <b>DW:</b> 1 Drinking Water sample in a year as per IS:10500	<b>3 locations every Month</b> dB(A) In Day and Night (On all Ambient Air Quality Monitoring Locations)	<b>2 DG Sets Twice in a year</b> Particulate matter, SO <sub>2</sub> , NO <sub>x</sub> ( <b>April-September AND October-March</b> )
<b>Total no. of samples, Rajpardi</b>			<b>26*12 = 312/Annum</b>	<b>0</b>	<b>Mine water – 2*12= 24/Annum</b>  <b>Sludge – 1*2 = 2/Annum</b>	<b>STP I/L- 1*2=2/annum</b> <b>STP O/L- 1*12=12/Annum</b> <b>GW – 2*4 = 8/Annum</b> <b>DW – 1/Annum</b>	<b>3*12 = 36/Annum</b>	<b>2*2 = 4/Annum</b>

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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
6	Gujarat Mineral Dev. Corp. Ltd., Lignite Project <b>Tadkeshwar</b> - 394170, Tal: Mandvi, Dist. Surat	Description for nos. of samples & Parameters to be done	<b>5 locations every Month</b>  Oxides of Sulphur, Oxides of Nitrogen, CO, PM <sub>2.5</sub> , PM <sub>10</sub>  Also Twice in a year (May AND November) following parameters must be included [Along with above] :Hg, As, Ni, Cd and Cr]	NA	<b>Mine Effluent/ETP: 2 samples every Month</b> <b>Parameters</b> pH, Temperature, Color, TSS,TDS, Oil & Grease, BOD, COD, Phenolic Compound, Sulphide, Ammonical Nitrogen, Chloride, Sulphate, Sulphide total & hexavalent chromium.  <b>Sludge:</b> 1 sample SLUDGE generated from ETP for <b>TWICE IN A YEAR (May &amp; November)</b>	<b>GW: 1 location</b> quarterly in a year Pre-monsoon (April-May), Monsoon (August), post-monsoon (November) and Winter(January) for following <b>parameters:</b> pH, TDS, TSS, Alkalinity, Acidity, Total Hardness, Ca, Mg, Cl, F, Nitrate, SO <sub>4</sub> , PO <sub>4</sub> , Fe, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Be, Co, Mn and Zn.  <b>DW:</b> 1 Drinking Water sample in a year as per IS:10500	<b>5 locations every Month</b>  dB(A)In Day and Night (Total Sample Should be as given)	<b>1 sample each from 2 DG sets twice a year</b> Particulate matter, SO <sub>2</sub> , NO <sub>x</sub> ( <b>May AND November</b> )
<b>Total no. of samples, Tadkeshwar</b>			<b>5*12 = 60</b>	<b>0</b>	<b>Mine effluent – 2*12= 24/Annum</b> <b>Sludge – 1*2 = 2/Annum</b>	<b>GW – 1*4= 4/Annum</b> <b>DW – 1/Annum</b>	<b>5*12 = 60/Annum</b>	<b>2*2 = 4/Annum</b>

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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
7	Gujarat Mineral Dev. Corp. Ltd., <u>Umarsar Lignite Project</u> , village Umarsar, Taluka Lakhpur, District Kutch	Description for nos. of samples & Parameters to be done	<b>4 locations every Month</b>  Oxides of Sulphur, Oxides of Nitrogen, CO, PM <sub>2.5</sub> , PM <sub>10</sub> <b>[Along with above Twice in a year (April-September AND October-March) following parameters must be included: Hg, As, Pb and Cd]</b>	NA	<b>Mine Effluent/ETP: 2 locations every Month</b> pH, Temperature, Colour, TSS, TDS, Oil & Grease, BOD, COD, Phenolic Compound, Sulphide, Ammonical Nitrogen, Chloride, Sulphate, Sulphide total & hexavalent chromium.  <b>Sludge:</b> 1 sample SLUDGE generated from ETP for <b>TWICE IN A YEAR (May&amp; November)</b>  <b>Ash leachate:</b> 1 samples of Ash leachate in a year	<b>Ground Water at 3 Locations 1 sample each</b> quarterly in a year Pre-monsoon (April-May), Monsoon (August), post-monsoon (November) and Winter(January) for- pH, TDS, TSS, Alkalinity, Acidity, Total Hardness, Ca, Mg, Cl, F, Nitrate, SO <sub>4</sub> , PO <sub>4</sub> , Fe, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Be, Co, Mn and Zinc.  <b>DW:</b> 1 Drinking Water sample once in a year & 1 RO Treated Water quarterly as per IS:10500  <b>RO Reject:</b> 1 RO Reject Water Twice in a year for following parameters: pH, Temperature, Color (Pt. Co. Scale) in Units, TDS, TSS, Oil & Grease, Phosphate, Total Chromium and Zinc	<b>4 locations every Month</b>  dB(A)In Day and Night (On all Ambient Air Locations)	<b>1 sample each from 3 DG Sets twice in a year</b>  Particulate Matter, SO <sub>2</sub> , NO <sub>x</sub> & Hg <b>Twice in a Year (April-September AND October-March)</b>
<b>Total no. of samples, Umarsar</b>			<b>4*12 = 48/Annum</b>  <b>Fugitive Dust - 2*4 = 8/Annum</b>	0	<b>Mine effluent - 2*12=24/Annum</b>  <b>Sludge - 1*2=2/Annum</b>  <b>Ash leachate - 1*1=1/Annum</b>	<b>GW - 3*4 = 12/Annum</b>  <b>DW- 5/Annum</b>  <b>RO Reject Water - 1*2 = 2/Annum</b>	<b>4*12 = 48/Annum</b>	<b>3*2 = 6/Annum</b>

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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
8	Gujarat Mineral Dev. Corp. Ltd., Fluorspar Project <b>Kadipani Mines</b> - 391175 Tal: Kawant, Dist: Vadodara	Description for nos. of samples & Parameters to be done	<b>4 locations every Month</b> Oxides of Sulphur, Oxides of Nitrogen, PM <sub>2.5</sub> , PM <sub>10</sub>	0	<b>Mine Effluent:</b> 2 samples every year for parameters; pH, Temperature, Color, TSS, TDS, Oil & Grease, BOD, COD, Phenolic Compound, Sulphide, Ammonical Nitrogen, Chloride, Sulphate, Sulphide total & hexavalent chromium.	<b>GW: 2 Locations 1 sample each in the month of May &amp; November for-</b> pH, TDS, TSS, Alkalinity, Acidity, Total Hardness, Ca, Mg, Cl, F, Nitrate, SO <sub>4</sub> , PO <sub>4</sub> , Fe, As, Pb, Ba, Cd, Cr, Hg, Ni, Se, Be, Co, Mn and Zinc <b>DW:</b> 1 Drinking Water sample in a year as per IS:10500	<b>4 locations every Month</b> dB(A) In Day and Night (On Total Ambient Air Locations)	NA
<b>Total no. of samples, Kadipani Mines (31.2 Hac &amp; 32.0 Hac)</b>			<b>4*12 = 48/Annum</b>	<b>0</b>	<b>Mine effluent - 2*1 = 2/Annum</b>	<b>GW - 2*2 = 4/Annum DW - 1/Annum</b>	<b>4*12 = 48/Annum</b>	<b>0</b>
9	Gujarat Mineral Dev. Corp. Ltd., <b>Kadipani Plant</b> - 391175 Tal: Kawant, Dist: Vadodara	Description for nos. of samples & Parameters to be done	<b>3 location every Month</b> Oxides of Sulphur, Oxides of Nitrogen, PM <sub>2.5</sub> , PM <sub>10</sub> Workplace monitoring 2 location twice a year as per factory act Illumination level 5 locations twice a	<b>2 stacks every Month</b> Particulate matter, SO <sub>2</sub> , NO <sub>x</sub>	ETP Inlet and Outlet- 1 sample each per month. <b>Parameters:</b> pH, Temperature, Color, TSS, TDS, Oil & Grease, BOD, COD, Phenolic Compound, Sulphide, Ammonical Nitrogen, Fluoride, Chloride, Sulphate, Arsenic, total & hexavalent chromium, Cu, Pb, Cd, Hg, Ni, & Zinc, Free Ammonia, Sodium absorption ratio.	<b>DW:</b> 1 Drinking Water sample in a year as per IS:10500	<b>3 location Every Month</b> dB(A) In Day and Night (On Total Ambient Air Location) Work place noise monitoring 5 location twice a year	<b>2X2/ Year</b> Particulate Matter, SO <sub>2</sub> , NO <sub>x</sub> & Hg <b>Twice in a Year (May AND November)</b>

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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
			year		Sludge: 1 sample SLUDGE generated from ETP for TWICE IN A YEAR (May& November)			
Total no. of samples, Kadipani plant			AAQ- 3*12 = 36/Annum	2*12 = 24/Annum	ETP I/L – 1*12=12/Annum ETP O/L – 1*12=12/Annum Sludge – 1*2 = 2/Annum	DW – 1/Annum	Noise: 3*12 = 36/Annum	2*2 = 4/Annum
			W/place monitoring – 2*2=4/Annum				Work place Noise – 5*2 = 10/Annum	
10	Gujarat Mineral Dev. Corp. Ltd., Bauxite Project, (Mevasa Mines) <b>Bhatia-361315</b> , Tal: Kalyanpur, Dist.: Jamnagar	Description for nos. of samples & Parameters to be done	<b>4 locations every Month</b> Oxides of Sulphur, Oxides of Nitrogen, PM <sub>2.5</sub> , PM <sub>10</sub>	NA	<b>1 sample of Mine Effluent post monsoon in the month of October</b>  Parameters: pH, Temperature Color, TSS, TDS, Oil & Grease, S, Phosphates, COD.BOD	DW:1 Drinking Water sample in a year as per IS:10500	<b>4 locations every Month</b>  dB(A)In Day and Night (On all Ambient Air Locations)	NA
Total no. of samples, Bhatia (Mevasa)			4*12 = 48/Annum	0	1/Annum	1/Annum	4*12 = 48/Annum	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 leachate	Sewage / Ground / Drinking Water	Noise	D. G. Set
11	<b>Shivrajpur</b> Manganese Project, village Shivrajpur, Ta. Halol, Dist. Panchmahal	Description for nos. of samples & Parameters to be done	<b>2 locations every Month</b>  Oxides of Sulphur, Oxides of Nitrogen, PM <sub>2.5</sub> , PM <sub>10</sub>	0	<b>2 sample of Mine Effluent post monsoon per year</b> Parameters: pH, Temperature Color, TSS, TDS, Oil & Grease, S, Phosphates, COD,BOD	<b>DW:1 Drinking Water sample</b> in a year as per IS:10500	<b>2 locations every Month</b> dB(A)In Day and Night (On all Ambient Air Locations)	0
<b>Total no. of samples, Shivrajpur</b>			<b>2*12 = 24/Annum</b>	<b>0</b>	<b>Mine effluent – 1*2=2/Annum</b>	<b>1/Annum</b>	<b>2*12 = 24/Annum</b>	<b>0</b>

## PARAMETER WISE ANNUAL RATES (Excluding Taxes): PRICE BID

Sr. No.	Particulars	No. of monitoring sample per year [Nos.]	Rate per sample (June 2023 to May 2024) [Rs.]	Total Charges (June 2023 to May 2024) [Rs.]	Rate per sample (June 2024 to May 2025) [Rs.]	Total Charges (June 2024 to May 2025) [Rs.]	Total Charges June 2023 to May 2025) [Rs.]
1	AMBIENT AIR QUALITY	1032					
2	FUGITIVE DUST EMISSION	16					
3	ILLUMINATION LEVEL	30					
4	STACK EMISSION	60					
5	MINEWATER/EFFLUENT	133					
6	ETP SLUDGE	14					
7	ETP Inlet	12					
8	ETP Outlet	12					
9	ASH/LECHATE	6					
10	STP INLET	6					
11	STP OUTLET	36					
12	GROUND WATER/SURFACE WATER	84					
12	DRINKING WATER	33					
13	RO REJECT	6					
14	WORKPLACE AIR MONITORING	16					
15	WORKPLACE NOISE MONITORING	22					
16	AMBIENT NOISE MONITORING	756					
17	D. G. SET	22					
<b>TOTAL</b>							

**PRICE BID****Annual Environmental Monitoring of various projects of GMDC in Gujarat State**

<b>Sr. No.</b>	<b>Description</b>	<b>Total Contract Value for 1<sup>st</sup> year</b>	<b>Total Contract Value for 2<sup>nd</sup> year</b>	<b>Grand Total Contract Value for the period of Two (2) years</b>
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	Calcined Bauxite Project (8 Mines), Gadhsisa, Dist. Kutch			
5	Rajpardi Lignite Project, District Bharuch			
6	Tadkeshwar Lignite Project, Dist. Surat			
7	Surkha (N) Lignite Project, Bhavnagar			
8	Bauxite Project, Mevasa, Dist. Jamnagar			
9	Fluorspar Mines, Kadipani, Ta. Kawant, Dist. Vadodara			
10	Fluorspar Plant, Kadipani, Ta. Kawant, Dist. Vadodara			
11	Shivrajpur Manganese Project, Village Shivrajpur, Ta. Halol, Dist. Panchmahal.			
<b>TOTAL</b>				

**Note:**

- 1] Price to be given in Rs. only.
- 2] L1 Bidder shall be considered based on lowest price on the sum of total cost of all the projects for two years i.e. 1<sup>st</sup> and 2<sup>nd</sup> year of Annexure IX.
- 3] Price should be exclusive of GST which shall be reimbursed as actual.
- 4] All other applicable taxes and duties etc., if applicable, will be reimbursed after submitting documentary proof of its submission to regulatory body.
- 5] TDS will be deducted from monthly bill as per prescribed rule.

## **DECLARATION**

(On letter head of the Bidder)

FROM:

DATE:

**To,  
General Manager (Environment)  
Gujarat Mineral Development Corporation Limited,  
“Khanij Bhavan”, 7<sup>th</sup> floor, “A” wing”, 132 ft. Ring road,  
Nr. University Ground, Vastrapur, Ahmedabad – 380 052**

**Subject: Tender for Monthly Environmental Monitoring and Analysis as per guidelines of GPCB/MoEFCC/CPCB as well as EC/CC&A conditions and parameters at various projects of GMDC Ltd. 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 Bidder**