



Bid Number/बोली क्रमांक (बिड संख्या)[:] GEM/2024/B/4556389 Dated/दिनांक : 31-01-2024

Bid Document/ बिड दस्तावेज़

| Bid C | Details/बिड विवरण | |
|--|---|--|
| Bid End Date/Time/बिड बंद होने की तारीख/समय | 01-03-2024 11:00:00 | |
| Bid Opening Date/Time/बिड खुलने की तारीख/समय | 01-03-2024 11:30:00 | |
| Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से) | 120 (Days) | |
| Ministry/State Name/मंत्रालय/राज्य का नाम | Ministry Of Chemicals And Fertilizers | |
| Department Name/विभाग का नाम | Department Of Fertilizers | |
| Organisation Name/संगठन का नाम | National Fertilizers Limited (nfl) | |
| Office Name/कार्यालय का नाम | Punjab Naya Nangal | |
| ltem Category/मद केटेगरी | Energy Audit Service - Lumpsum Based - Detailed; Fertilizer Industry | |
| Contract Period/अनुबंध अवधि | 4 Month(s) 3 Day(s) | |
| Past Experience of Similar Services required/इसी तरह की सेवाओं का पिछला आवश्यक अनुभव है | Yes | |
| MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट | Νο | |
| Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट | Νο | |
| Document required from seller/विक्रेता से मांगे गए दस्तावेज़ | Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer | |
| Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया | Νο | |
| Type of Bid/बिड का प्रकार | Two Packet Bid | |
| Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय | 3 Days | |
| Estimated Bid Value/अनुमानित बिड मूल्य | 224200 | |
| | | |

| Bid Details/बिड विवरण | | | |
|--|-----------------------------|--|--|
| Evaluation Method/मूल्यांकन पद्धति | Total value wise evaluation | | |
| Financial Document Indicating Price Breakup Required/मूल्य दर्शाने वाला वित्तीय दस्तावेज ब्रेकअप आवश्यक है | Yes | | |
| EMD Detail/ईएमडी विवरण | | | |
| Required/आवश्यकता | No | | |
| ePBG Detail/ईपीबीजी विवरण | | | |
| Required/आवश्यकता | No | | |
| Splitting/विभाजन Bid splitting not applied/बोली विभाजन लागू नहीं किया गया. MII Compliance/एमआईआई अनुपालन | | | |
| MII Compliance/एमआईआई अनुपालन | Yes | | |
| MSE Purchase Preference/एमएसई खरीद वरीयता | · | | |
| MSE Purchase Preference/एमएसई खरीद वरीयता | Yes | | |
| Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference for services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered service. If L-1 is not an MSE and MSE Service Provider (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, then 100% order quantity will be awarded to such MSE bidder subject to acceptance of L1 bid price. OM No.1 4 2021 PPD dated 18.05.2023 for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process. Past Experience of Similar Services: The bidder must have successfully executed/completed similar Services over the last three years i.e. the current financial year and the last three financial years(ending month of March | | | |

prior to the bid opening): -1. Three similar completed services costing not less than the amount equal to 40% (forty percent) of the estimated cost; or

2. Two similar completed services costing not less than the amount equal to 50% (fifty percent) of the estimated cost; or
 3. One similar completed service costing not less than the amount equal to 80% (eighty percent) of the estimated cost.

Excel Upload Required/एक्सेल में अपलोड किए जाने की आवश्यकता :

Price Bid Calculation Sheet - 1706678526.xlsx

Additional Qualification/Data Required/अतिरिक्त योग्यता /आवश्यक डेटा

Scope of Work:<u>1706678585.pdf</u>

Payment Terms: 1706678593.pdf

If you want to add additional conditions in addition to standard SLA then please mention the clauses of additional SLA: $\underline{1706678609.pdf}$

Energy Audit Service - Lumpsum Based - Detailed; Fertilizer Industry (1)

Technical Specifications/तकनीकी विशिष्टियाँ

| Specification | Values |
|--|-------------------------------|
| Core | |
| Type of Energy Audit | Detailed |
| Area to conduct Energy Audit | Fertilizer Industry |
| Frequency of Energy Audit progress report | 3 Years |
| Energy Saving Certificate | No |
| Type of Professional/Resources required | BEE Accredited Energy Auditor |
| Total Experience of Professionals / Resources (In years) | As per NIT |
| Addon(s)/एडऑन | |
| Post Audit support | NA |

Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी

| S.No./क्र. सं. | Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी | Address/पता | Quantity to be kept as 1 | Additional Requirement/अतिरिक्त आवश्यकता |
|-------------------|--|---|-----------------------------|--|
| 1 | Albin K Siby | 140126,National Fertilizers Limited, Naya Nangal | 1 | N/A |

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्त

1. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

2. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

a) Tenderer to submit Tender Fees separately Rs. 200 (inclusive of GST).

b) Tenderer to submit Earnest Money of Rs 2000/-

(Rs Two thousand only)

Tender without EMD and Tender fee is liable to be rejected .For further information may please refer attac hed NIT.

3. Buyer Added Bid Specific ATC

Buyer uploaded ATC document <u>Click here to view the file</u>.

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

- 1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
- 2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
- 3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
- 4. Creating BoQ bid for single item.
- 5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
- 6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
- 7. Floating / creation of work contracts as Custom Bids in Services.
- 8. Seeking sample with bid or approval of samples during bid evaluation process.
- 9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
- 10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
- 11. Creating bid for items from irrelevant categories.
- 12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
- 13. Reference of conditions published on any external site or reference to external documents/clauses.
- 14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of

this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

This Bid is governed by the <u>General Terms and Conditions/सामान्य</u> नियम और शर्ते, conditons stipulated in Bid and <u>Service Level Agreement</u> specific to this Service as provided in the Marketplace. However in case if any condition specified in General Terms and Conditions/सामान्य नियम और शर्ते is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश को बिडर से खरीद वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---

| | | | | | <u>Annexure - a</u> |
|-----|--|---------------|------|---------|---------------------|
| Sr. | PARTICULARS | Annexure | FROM | TO PAGE | No. OF |
| No | | Number | PAGE | | PAGES |
| 1. | Notice Inviting Tender | b | 01 | 01 | 01 |
| 2. | Covering Letter of NIT | Ι | 02 | 08 | 07 |
| 3. | Instruction to bidder | I-A(1) | 09 | 10 | 02 |
| 4. | Payment details of submission of Tender Fee and EMD | I-A(2) | 11 | 11 | 01 |
| 5. | Scope of work | I-A | 12 | 13 | 02 |
| 6. | Scheduled of Quantities | I-B | 14 | 14 | 01 |
| 7. | Special Terms and Conditions of Contract | I-C | 15 | 16 | 02 |
| 8. | Declaration Form-I | II | 17 | 17 | 01 |
| 9. | Declaration Form-II | III | 18 | 18 | 01 |
| 10. | Declaration Form-III | IV | 19 | 20 | 02 |
| 11. | Registration of GST Number | V | 21 | 21 | 01 |
| 12. | Affidavit in reference of Not Black listed, Debarred, De-listed or put on holiday | VI | 22 | 22 | 01 |
| 13. | Eligibility Criteria | VII | 23 | 26 | 04 |
| 14. | Evaluation Criteria | VIII | 27 | 27 | 01 |
| 15. | Definition of terms | IX | 28 | 29 | 02 |
| 16. | General Terms & Conditions (GTCC) | Х | 30 | 50 | 21 |
| 17. | Proforma for proprietorship Affidavit | XI | 51 | 51 | 01 |
| 18. | Instructions to Bidders on GeM Portal | XIX-B | 52 | 52 | 01 |
| 19. | Contract Agreement | XX | 53 | 58 | 06 |
| 20. | Certificate along with Final Bill | XXII | 59 | 59 | 01 |
| 21. | CISF Gate pass clearance certificate | XXIII | 60 | 60 | 01 |
| 22. | BEE notification | Attachment-I | 61 | 78 | 18 |
| 23. | List of major equipment/machinery | Attachment-II | 79 | 79 | 01 |
| | Total Pages | | | 79 | |

List of documents

NOTE:

1. Contractors are requested to see that all the papers of tender document issued to them are intact as per above Index.

2. All the pages shall be signed & stamped by the contractor and shall be submitted in sealed envelope.

3. All the tenders digitally signed documents shall be uploaded on E-tender portal for E-tender category.

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

| क्रमांक: एनएफएन / | NOTICE INVITING TENDER | Annexure-b दिनांक: |
|---|-------------------------|-----------------------|
| सेवा में, मैसर्स | | |
| विषय: | | |
| महोदय, कृपया हमारा पत्र क्रमांक: एनएफएन/ के साथ आवश्यक कार्रवाई हेतु संलग्न कर रहे है | दिनांक | इस पत्र |
| धन्यवाद. | | |
| भव | दीय | |
| | वास्ते – नेशनल फर्टिलाइ | जर्स लिमिटेड |
| संलग्न – उपरोक्तानुसार | | |
| Ref. No. NFN/ | Date | : |
| То | | |
| M/s | | |
| Sub: | | |
| Sir, Please find enclosed NIT Ref. No | Dated: for necess | ary action. |
| Thanks, | | |
| | | Your faithfully, |

For and on behalf of NFL

Encl,: as above

Annexure-I

COVERING LETTER FOR TENDER

Subject: NIT for Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

Dear Sir,

In line with the notification dated 27.05.2014 from Ministry of Power, National Fertilizers Limited (NFL), one of the largest manufacturers of Urea in India, intends to carry out energy audit of its manufacturing Unit located at Nangal, Punjab in accordance with Bureau of Energy Efficiency (Manner and Intervals of Time for Conduct of Energy Audit Regulations 2010).

Sealed TENDERS are invited for the work as detailed below:

| 1) | Name of Work: | Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal |
|----|--|---|
| 2) | a) <u>Cost of Tender Form</u>: b) <u>Earnest Money</u>: Being a works contract - Tender received without EMD + Cost of tender is liable to be rejected. Or Being a service contract, bidders registered as MSE (Micro or Small Enterprise) need not to submit EMD/Cost of tender fee In case party is seeking exemption of EMD under MSMED Act, party is required to submit the required documents showing eligibility. | a) Tenderer to submit Tender Fees separately Rs. 200 (inclusive of GST). b) Tenderer to submit Earnest Money of Rs 2000/- (Rs Two thousand only) |
| 3) | Mode of payment towards Tender Fees and Earnest Money | Tender fee / EMD shall be submitted in form of crossed Demand Draft / Banker's Cheque, issued by any scheduled bank except rural and Co-operative bank in favour of National Fertilizers Ltd, Naya Nangal payable at Naya Nangal. If any case party submits Demand Draft for the bank other than SBI (N) and whose branch is not available in Nangal then his quotation shall be loaded with equal amount of Bank Charges, incurred by the NFL on realization of said DD, for common evaluation. |

| | | OR Tender fee / EMD amount(s) can also be transferred through NEFT/RTGS directly to NFL's bank account (SBI CC No-11070992603 IFSC: SBIN0000689, Branch: Naya Nangal) along with intimation of banks transfer reference number/UTR No. to be intimated to the executive Deptt. through mail /letter. OR Through payment Link provided on our website (www.nationalfertilizerslimited.com) and details to be indicated in Annexure-IV which is to be submitted in envelop-1. Note: If the original DDs/ banker's cheque do not reach before the due date, the bid of that /those bidders shall not be opened. NFL takes no responsibility for delay, loss or non- receipt of EMD and Tender Fee sent by post/courier. Cheques shall not be accepted in any case. In case tenderer fails to submit/deposit Tender Fees and/or Earnest Money before the due date of tender opening, the offer of the tenderer is liable to be rejected. |
|----------|---|--|
| 4) 5) | Estimated Value of the work : Validity of Tender | Rs. 2,24,200/- incl. GST 120 days from the Date of Opening of tender / Technical |
| | | Bids for the acceptance. |
| 6) | a) Validity / Period of Contract | 120 Days /4 Months as mentioned in LOI / Work Order. |
| | b) Time of Completion: | 120 Days /4 Months as mentioned in LOI / Work Order. |
| 7) | Nature of Contract (Works / Services) | Services |
| 8) | Whether contract is Splitable (Yes / No) | No |
| 9) | Last date and time of Issue of Tenders: | As per GeM Portal |
| 10) | Last date and time of Receipt of Tenders: | As per GeM Portal |
| 11) | The date and time of Opening of Tenders: | As per GeM Portal |
| 12) | Place of receipt and Opening of Tenders: | Office of DGM (TS& Projects), NFL Nangal Unit. |

13) Tender Documents may be downloaded from our website www.nationalfertilizers.com or CPP portal/ www.eprocure.gov.in/GeM Portal. In case documents are downloaded directly from the said websites, requisite tender fees and EMD shall be submitted along with tender documents in envelope No 1.

Parties are advised to visit NFL website regularly. Any amendment / corrigendum to the above NIT will be displayed on aforesaid website only.

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

- 14) Tender Documents may also be obtained from the office of undersigned before due date of Tender submission on deposit of Demand Draft / Banker's Cheque/or transferred through NEFT/RTGS directly to NFL's bank account of Rs. 50 (Rupees Fifty only) in favour of NFL payable at Nangal towards cost of Tender Documents (Rs. 50.00 shall be charged extra for getting tender documents through Post).
- 15) All requests for interpretation, clarification & queries in connection with tender shall be addressed, in writing to DGM (TS& Projects)bat least 7 (Seven) days prior to the closing date of the tender.
- 16) The Tenderer may visit the site, acquaint himself fully of the job and site condition, if required, and no claim, whatsoever, will be entertained on the plea of ignorance of difficulties involved in the execution of the work.
- 17) The rates should be quoted item wise for the complete Scope of Work as per Proforma 'Schedule of Rates'. The rates should be quoted only in the units given in the Schedule of Rates and should be indicated both in words as well as figures. The rates quoted shall be valid for 120 days from the date of opening of Technical bid for the acceptance.
- 18) In case of any discrepancy, the rates quoted in words shall be treated as final. Any corrections made in the prices shall be authenticated with signatures at all places. The Tenderer shall have to submit the Schedule of Rates Proforma duly filled in, failing which their Price bid will not be acceptable.
- 19) The tenderer shall quote single rate against each item and not the multiple rates in the Schedule of Rates. Any tender with the multiple rates quoted will be summarily rejected. Price should be quoted strictly as per the Proforma enclosed for Schedule of Rates.
- 20) National Fertilizers Limited reserves the right to reject any or all tenders without assigning any reason whatsoever and are not bound to accept the lowest tender. The tender can be split between two or more tenderer without assigning any reason thereof as per the requirement on case to case basis.
- 21) Incomplete Tenders or Tenders not accompanied with the required Details / Documents / Tender fee/ EMD or Tenders received late would be liable to be rejected without any further reference whatsoever.
- 22) Submission of Tenders:
 - i) No oral, telephonic, fax or telegraphic tenders or modification thereof will be entertained.
 - ii) Tender documents should be submitted along with duly filled in all Annexures.
 - iii) The tender will be divided in three parts:
 - a) Earnest money.
 - b) Technical and commercial bid
 - c) Price bid

The above three parts should be enclosed and SEALED SEPARATELY IN THREE ENVELOPES as follows and all the three envelopes shall be super scribed with

- i) Name of Work
- ii) Tender No., and date,
- iii) Date of Opening of Tender
- iv) Name and complete address of the tenderer and

v) All the said three envelopes should be submitted in one sealed cover by the tenderer superscribing above stated (i) to (iv) particulars.

Envelop No. 1:

Will contain Earnest Money of amount specified in NIT in the form of DD/ Banker's cheque in favour of NFL Nangal Unit, Naya Nangal, Payable at Naya Nangal/Nangal. This envelope should be super scribed "EARNEST MONEY". If the party is seeking exemption of EMD under MSMED Act, it is required to submit the requisite documents showing eligibility in this envelop.

Envelop No. 2:

Second sealed envelope super scribed "TECHNICAL AND COMMERCIAL BID containing the following documents:

Signed copies of complete tender documents, including Proforma for schedule of quantities without prices as enclosed & documents as mentioned in Para 24. Tenderer should sign each copy of these documents in token of acceptance of our terms and conditions.

Envelop No. 3:

Third sealed envelope super scribed, "PRICE BID DO NOT OPEN" (in RED ink). This envelope should only contain the 'Schedule of Quantities & Rates'/ 'Price Bid' with prices given in respective columns against each item, as enclosed herein, duly completed, signed & stamped on each page by the tenderer.

a) The price bid should be submitted clearly inscribing the name of the tenderer in the prescribed Proforma.

All the above three envelops should be placed and submitted in a single envelope superscribed as "NIT No. /_____ Dated: ____/____,

Date of Opening of the tender___/___.

23) Opening of Tender :

The Tender shall be opened as under:

Envelope No. 1:

Super scribed 'Earnest Money' containing Earnest Money shall be opened first on the Scheduled Date & Time of opening of tenders in the presence of the Tenderers or their representative, who wish to be present at the time of Tender Opening.

Envelope No. 2:

Super scribed 'Technical Bid' will then be opened and discussion would be carried out with the respective Tenderers for clarifications, if any.

Envelope No. 3:

Super scribed 'Price Bid' will be opened if technical bid and EMD found in order on the same day or at a later date, which shall be intimated to the Tenderers.

- 24) The following documents have to be submitted with the offer in the envelope No. 2, failing which the tender will be liable for rejection:
 - i) In case the parties are pre- qualified;

- a) Declaration Forms I, II & III (Annexure-II,III & IV)
- b) An Affidavit as per Annexure-VI (Not Black listed, Debarred, De-listed or put on holiday of Firm) on Non-Judicial Stamp paper duly Notarized of Rs. 50/- Nangal Unit, Naya Nangal.
- c) Copy of Power of Attorney/ Authorization in name of person who has signed the tender documents/bid (in case of Partnership Firm/Company or otherwise as the case may be). The copy should be Notarized by a Notary Public or certified by Magistrate on or after date of issue of NIT
- d) Performa for Sole Proprietorship Affidavit on the stamp paper of Rs. 50/- and Notary attested (Annexure-XI)
- ii) <u>In case parties are not prequalified</u>, their offer will be considered as per eligibility criteria mentioned in Annexure-VII of the NIT/Tender.
- 25) NFL reserves its right to open the Price bids of only such tenderers who are found to be meeting the eligibility criteria based on the documents submitted by him/them in the Technical bids.
- 26) Evaluation of offer shall be on overall L-1 basis, subject to special condition given in STCC.
- 27) All pages shall be signed at the lower right hand corner and signed wherever required in the tender papers by the tenderers or by a person holding power of attorney/ authorization authorizing him to sign on behalf of the tenderer before submission of tender. All corrections and alterations in the entries of tender paper will be signed in full with date by the tenderer. No eraser or overwriting is permissible.
- 28) No condition or deviation should be mentioned by tenderer in Price Bid. Price Bids with any condition or deviation shall liable to be rejected.
- 29) The prospective tenderer having any common Partner / Director / Managing Director etc. Or having any other common criteria shall be considered as sister / group / Associates Company. In such cases only one of them will be eligible for participating in the tender.
- 30) While submitting the offer, bidders may ensure that tender documents /offer have been signed by authorized signatory of the company. Subsequent withdrawal of offer / non-acceptance of orders placed based on the offer submitted by them will not be entertained on the ground that the offer was not signed by the authorized person.
- 31) One person will be allowed to represent only one company during discussion/negotiation with NFL. If same person is representing different companies with authorization letter from more than one company, such person will be allowed to represent only the first company called for negotiations.
- 32) NFL reserves the right to postpone the tender opening date and / or time and will intimate all the tenderers well in time, of such postponement along with notice of revised opening date and time.
- 33) In case, due to some unforeseen circumstances, the date of receiving / opening of the tender happen to be a holiday / closed day, the tender will be received / opened on the next working day.

- 34) More than one quotation in a single sealed envelope will not be considered. Not more than one tender shall be submitted by a tenderer or by a firm of tenderers. Further, more than one bid shall also include two or more bidders having common power of attorney holder .No two or more concerns in which an individual is interested as a proprietor and / or a partner shall tender for the execution of the same works. If they do so, all such tenders shall be liable to be rejected.
- 35) The tender is non-transferable. Un-signed tenders are liable to be rejected.
- 36) NFL further reserves its right to accept / reject any / all tenders in whole or in part without assigning any reason thereof. Conditional tenders are liable to be rejected.
- 37) NFL shall not be responsible for delay, loss or non-receipt of tender document sent by post.
- 38) The personnel of the contractor shall not enter into any unlawful activity within the premises of NFL and have a good character.
- 39) In case the tender is received in open condition, then the entire risk for loss of confidentiality shall be with the party. NFL shall not be responsible on this account whatsoever.
- 40) The contractor shall not appoint any sub company / agency to carry out any obligation under the contract without prior written permission from NFL. If at any time such a discrepancy is detected, the contract shall stand terminated without any notice and the security deposit shall be forfeited.
- 41) The offers received after scheduled date and time of submitting the offer would be out rightly rejected.
- 42) If the tenderer(s) expire(s) after the submission of his / their tender or after the acceptance of his / their offer, NFL shall deem such tender cancelled. If a partner of a firm expires after the submission of their tender or after the acceptance of their tender, NFL shall deem such tender as cancelled, unless the firm retains its character.
- 43) NFL will have the right to issue addendum to tender documents to clarify, amend, modify, supplement or delete any of the conditions, clauses or items stated. Addendum so issued will form part of original invitation to tender.
- 44) If a tenderer resorts to any frivolous, malicious or baseless complaints / allegations with intent to hamper or delay the tendering process or resorts to canvassing/ rigging/ influencing the tendering process, NFL reserves the right to debar such tenderer from participation in the present / future tenders up to a period of 2 years.
- 45) Any revision, clarification, corrigendum, time extension, etc. to this Tender Document will be hosted on the above mentioned website(s) only. Bidders are requested to visit the website regularly to keep themselves updated.
- 46) Throughout the Tender Documents, the terms 'Bid', 'Tender' & 'Offer' and their derivatives [Bidder/Tenderer, Bid/Tender/Offer etc.] are synonymous.
- 47) "Bidder shall not be affiliated with a firm or entity:
 - a. That has provided consulting services related to the work to the NFL during the preparatory stages of the work or of the project of which the works/services forms a part of.

OR

- b. That has been hired (proposed to be hired) by the NFL as an Engineer/ Consultant for the contract."
- 48) Eligibility of any bidder from a country which shares a land border with India shall be dealt in accordance with the provisions mentioned in Annexure-XII.
- 49) The Bidder shall submit Power of Attorney/ Authorization in favour of the authorized signatory(s) of the Bid. In case of partnership firm, one or more of the partners of the firm or any other person (s) shall be designated as the authorized person (s) on behalf of the firm, who will be authorized by all the partners to act on behalf of the firm through a "Power of Attorney", specially authorizing him / them to submit & sign the tender, sign the agreement, receive payment, witness measurements, sign measurement books, make correspondences, compromise / settle / relinquish any claim (s) preferred by the firm, sign "No Claim Certificate", refer all or any dispute to arbitration and to take similar such action in respect of the said tender / contract. In case of Company, Notarized/Certified copy of Authorization/Power of Attorney (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company should be submitted. Such "Power of Attorney" should be stamped and authenticated by a Notary Public or by Magistrate and submitted along with the tender."
- 50) In case there is any change in status of the declaration prior to award of contract, the same has to be promptly informed to NFL by the bidder. It shall be the sole responsibility of the bidder to inform about their status on due date of submission of bid and during the course of finalization of the tender. Concealment of the facts shall tantamount to misrepresentation of facts and shall lead to action against such Bidders.
- 51) NFL reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by NFL, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by NFL shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of NFL thereunder."
- 52) This letter/instructions shall form part of the contract document and shall be signed and returned along with the tender documents.
- 53) The Tender shall be addressed to DGM (TS & Projects), National Fertilizers Limited, Nangal Unit.

Thanking you,

Yours Sincerely, For& on behalf of National Fertilizers Limited

(Name: S K Negi)

Design: DGM (TS & Projects)

ANNEXURE I-A (1)

INSTRUCTIONS TO BIDDERS

- 1) Incomplete tenders/tender without Earnest Money and tenders received after the closing of due date are liable to be out rightly rejected.
- 2) The tenderer shall quote in English both in figures as well as in words the rates and amounts tendered by him, on the form of schedule of quantities forming part of the tender documents. The amount for each item shall be worked out and entered and requisite totals be given for all items. The tenderer shall duly sign the tendered amount for the work entered in the tender.

If there are differences found between the rates given by the contractor in words and figures or in the amount worked out by him in the schedule of quantities and the general summary, the same shall be adjusted in accordance with the following rules:

- a) In case of duplicity of any item in the schedule of quantities, the lowest quoted rate of the contractor for such items will be operated in the contract.
- b) If there is a difference between the rates in figures and words, the rate which corresponds to the amount worked out by the tenderer, shall be taken as correct.
- c) When the rate quoted by the tenderer in figures and words tallies but the amount worked out is incorrect, the rate quoted by the tenderer shall be taken as correct.
- d) When the amount of an item is not worked out by the contractor, or if it does not corresponds with the rates written either in figures or in words then the rates quoted by the contractor in words shall be taken as correct.
- e) In the event of any error occurring in the amount column of schedule of quantities as a result of wrong extension of unit rate and quantity, the unit rate shall be regarded as firm and extension shall be amended on the basis of the rate.
- f) All errors in totaling in the amount column and in carrying forward total shall be corrected.
- g) The total of various sections of schedule of quantities as amended shall be carried over to the general summary and the tendered sum amended accordingly. The tendered sum so altered shall, for the purpose of the tender, be substituted for the sum originally tendered and considered for acceptance. Any rounding off in the schedule of quantities or in general summary, by the tenderer, shall be ignored.
- 3) The contractor as a token of acceptance of NIT terms and conditions shall sign all pages of NIT and annexures.
- 4) Declaration of tenderers relations with NFL employees: Should a tenderer have a relation or in the case of a firm, one or more of its partners a relation or relations employed in NFL or in case of company any of its official or relations employed in NFL, the authority inviting tenders shall be informed of the fact at the time of submission of the tender. If so, the name, designation, department and E. No. of such employees be indicated failing which NFL may in its sole discretion reject the tender or rescind the contract. If any ex-employee(s) of NFL is/are employed with the tenderer, name, designation, department and E. No. of such employee(s) be indicated and if any ex-employee(s) of NFL is/are employee(s) of NFL is/are employee
- 5) The following documents forming the contract are to be taken as mutually explanatory of one another and in case of discrepancy the following order of preference shall be observed:-
 - (i) Agreement
 - (ii) Work Order
 - (iii) Letter of intent
 - (iv) NIT
 - a) Technical scope of work

- b) Engineering Specifications.
- c) Special terms and conditions etc.
- d) General Terms & Conditions
- 6) Variations: No variation of the clauses of this contract shall be valid unless made in writing and duly signed by both the parties. NFL shall not in absence of its specified written acceptance, be bound by any provisions in the tenderer's offer, forms of acknowledgement of contract & other documents which supports to this contract.
- 7) Not more than one tender shall be submitted by a contractor or by a firm of contractors. If they do so, all such tenders are liable to be rejected.
- 8) The tenderer shall certify that none of their group/sister concern/ partnership firm are participating in this tender. They will also submit an undertaking that in case of concealment of any facts, if detected later on the bidder along with group/ sister concern/ partnership firm participated in this tender NFL reserves its right to take action as per General Terms & Conditions (GTCC).

9) Validity of the Contract:

- a) The Contract shall normally remain valid for a period of 12 months unless specifically mentioned in the documents, reckoned from the date of its award. The job can therefore, be got done any time during the tenure of the contract. Normally Notice of 7 days shall be given for starting the job but the Contractor should be able to mobilize within 24 hours, if the necessity so arises.
- b) The contract can be extended at the same rates, terms & conditions for a period of three months at the sole discretion of NFL.
- 10) The contractor may have to carry out the work in running plant under prevailing conditions, and therefore:
 - a) They may have to place their materials and equipment etc. at a place safe for working as per directions of the Safety Officer/ Engineer In charge, and nothing extra will be payable for any extra load involved in executing the works at different locations in Factory, Plants, Offices/Township.
 - b) There may be hold ups/interruptions on this account and further contractor may have to take extra precautions for working in factory premises, for which nothing extra shall be payable. However, time extension for hold ups/interruptions may be considered.

11) Payment for preparation of bid document:

The bidder shall not be entitled to claim any cost, charges, expenses, losses incidental to the preparation and submission of this tender in any case.

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

ANNEXURE I-A(2)

PAYMENT DETAILS OF SUBMISSION OF TENDER FEE AND EMD

(To be kept in Envelope No. I)

Subject: Tender No. 2023/1 Name of contract: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

To,

DGM (TS & Projects) National Fertilizers Ltd. Naya Nangal

Dear Sir,

| 1 | Tender Cost and Earnest Money Deposit | | |
|---|---------------------------------------|---|--|
| | through payment link | hat amount of Tender Cost and Earnest Money Deposit has been deposited provided on our website (<u>www.nationalfertilizers.com</u>) or Micro / Small ficate is attached as per the details given below: | |
| | a) Tender Cost: | Amount in INR 200/- | |
| | | UTR / Bank Ref. No Date | |
| | b) EMD : | Amount in INR 2000/- UTR / Bank Ref. No Date | |
| | c) MSE Certificate: | Registered as(Micro/Small) valid upto for the Work/Services of | |
| | | | |

Signature of the Contractor/ Tenderer with stamp

Annexure I-A

SCOPE OF WORK

1.0 BACKGROUND:

National Fertilizers Limited (NFL) is operating and maintaining gas based Nitrogenous Fertilizer Plants at four locations viz. Nangal, Bathinda, Panipat and Vijaypur. Production capacities of Nangal Unit are as under:

| | Ammonia | Urea | Other Products |
|------------|----------|----------|------------------------------|
| Capacities | 3,13,500 | 4,78,500 | Nitric Acid, Sodium Nitrate, |
| in MT / | | | Sodium Nitrite & |
| annum | | | Ammonium Nitrate |
| | | | |

In line with GOI notification dated 27.05.2014, every designated consumer under PAT scheme has to get the energy audit done by an accredited energy auditor in accordance with BEE regulations 2010 (Manner and intervals of time for conduct of Energy Audit). NFL intends to carry out ENERGY Audit of Nangal Unit as per scope of work enumerated in the Clause No.3.

2.0 SCOPE OF WORK

The energy audit shall be carried out in accordance with BEE notification (Manner and Intervals of time for conduct of Energy Audit) dated 28.04.2010 - ATTACHMENT I.

Broad details of scope of work are as follows:

- Verify data of energy usage based on data submitted by NFL to State Designated Agency (SDA) for previous two years.
- Prepare report in FORM 1 of Gazette Notification dated 28.04.2010.
- Energy Audit/Performance evaluation for energy efficiency of all the major identified equipment/machinery under each plant (ATTACHMENT II)
- Monitor and analyse use of energy data for energy audit.
- Analyse material and energy balance in individual plants and complex.
- Prepare recommendations on energy saving measures with their cost benefit analysis including sensitivity analysis.
- Prioritise and prepare action plan for such recommended measures which in the opinion of NFL are technically viable.
- Based on activities undertaken, the Energy AUDITOR shall submit a report in FORM 2 of Gazette Notification dated 28.04.2010, to the NFL management
- The Energy AUDITOR shall finally submit an Energy Audit report as per FORMAT indicated in FORM 4 of Gazette Notification dated 28.04.2010.

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

Notwithstanding anything detailed above, the audit report shall be complete in all respects and shall be sufficient to comply with provisions of Energy Conservation Act-2001 and subsequent notifications of BEE for the said work. It is further mentioned that the Energy Audit Report as per FORM 4 of notification shall be initially submitted in draft form which will be approved by NFL (as per 4.v). Final report shall be submitted within 15 days from receipt of comments from NFL.

3.0 METHODOLOGY

The following is the tentative methodology, which may be adopted for carrying out the Energy Audit:-

- I. The accredited energy AUDITOR of the BIDDER jointly with Energy Manager/nominated energy manager of the NFL's Nangal Unit shall develop scope of work for the conduct of energy audit required under the act with a view to ensure adequate coverage in terms of share of total energy use that is covered in the energy audit. Data available with NFL Nangal, required for carrying out the job will be provided to the AUDITOR.
- II. AUDITOR may collect other required data by taking physical measurements themselves.
- III. AUDITOR has to arrange all required meters, portable instruments and manpower for data collections. All meters and instruments shall be calibrated from competent authority and necessary test certificate shall be furnished, if requested by NFL. <u>BIDDER shall furnish list of tools and instruments required to carry out energy audit at the time of Bidding</u>. It is further clarified that all tools and instruments will be brought by the BIDDER himself.
- IV. Submit reports as per Gazette Notification dated 28.04.2010 in FORM 1, FORM 2, FORM 3 and FORM 4.
- V. Initially draft report shall be submitted which will be finalized after taking into account the comments of NFL.
- VI. All reports shall be submitted in triplicate hard bound copies and three reproducible in electronic format in CD.

Annexure I-B

SCHEDULE OF LUMP SUM PRICE

(All prices are in Indian Rupees)

| S.no. | Description of item | Rupees |
|-------|-------------------------------|--------|
| 1 | Drofossional East for comming | |
| 1. | Professional Fee for carrying | |
| | out the ENERGY AUDIT in | |
| | line with BEE notification | |
| | dated 27.05.2014 and in | |
| | accordance with BEE | |
| | (Manner and Intervals of | |
| | Time for conduct of Energy | |
| | audit) Regulations, 2010 for | |
| | Nangal Unit. | |
| | Basic Lump sum Price. | |
| | In figures * | |
| | In words * | |
| 2. | GST** | |
| | - As (%) of Basic Lump | |
| | sum fees at 1 above | |
| | - As Value In figures and | |
| | words | |
| 1. | Total Contract Value (1 +2 | |
| | +3) | |
| | | |

* The above-mentioned prices shall include all the Travelling, Lodging & Boarding expenses.

** Rate of Taxes as applicable on date of submission of offer is to be indicated at 2 above.

SIGNATURE OF BIDDER WITH STAMP

Annexure I-C

SPECIAL TERMS AND CONDITIONS OF CONTRACT (STCC)

1.0 EVALUATION CRITERIA

Un-priced technical bids shall be opened first on tender opening date for adjudging the Technical eligibility of the bidder. Price bids of those bidders shall be opened who are found to be technically eligible. Order shall be placed on BIDDER with lowest evaluated total price inclusive of all taxes including GST and duties.

2.0 PAYMENT

The payment for conducting energy audit of the NFL Nangal shall be based on the quoted value and shall be released within 30 days from the date of receipt of invoice by NFL as follows:

- a) 20% of the amount as interim payment against invoice, on submission of report in FORM 1 of Gazette Notification dated 28.04.2010 for year 2022-23, after verification of data of energy usage based on data submitted by NFL to State Designated Agency (SDA) for the year 2021-22 and 2022-23.
- b) 60% of the amount against invoice, shall be released on submission of draft report as per FORMAT in FORM 4 of Gazette Notification dated 28.04.2010.
- c) 20% against invoice, shall be released on submission of final report as per FORM 4 of notification dated 28.04.2010.
- d) GST duties shall be mentioned in the respective invoice for payment.
- e) Income tax shall be deducted at source from the payment as per Income Tax Act, 1961.
- f) Payments shall be processed and released within 30 days from the date of receipt of invoices and all other completed documents as required.
- g) Party has to indicate PAN No. & GST number on invoice.

3.0 PENALTY:

If there is delay in completion of job as per clause no. 6 of covering letter, Penalty at the rate of 1% plus applicable GST there on per week or part thereof, subject to maximum of 10% of the contract value plus applicable GST shall be levied.

4.0 PRICE TO BE FIRM

The fee/charges quoted by the AUDITOR shall remain firm till the execution of the CONTRACT. No escalation on the quoted rates shall be allowed till the completion of work.

5.0 CHARGES/FEE FOR CARRYING OUT SUBJECT STUDIES

The BIDDERs shall furnish their lump sum charges/fee in Price Bid for carrying out ENERGY Audit Studies as per scope of work mentioned in this NIT. The BIDDER shall quote lump sum charges for carrying out the subject study. These charges shall remain firm and fixed till execution and completion of the assignment.

All taxes GST shall be indicated separately by the BIDDERs. All expenses towards transport of their personnel to NFL, boarding and lodging of the AUDITOR's engineers/workmen at site, insurance of personnel visiting the site, the cost of the deploying testing equipment at site if any, their transportation etc. shall be borne by the successful BIDDER. No other charges shall be admissible/ reimbursable. However, local conveyance will be provided by NFL.

6.0 DEVIATION TO NIT

No deviation to scope of work, general terms & conditions & other requirements of NIT shall be acceptable. BIDDERs shall confirm to all conditions of NIT to facilitate opening of price bid immediately to avoid loss of time. However, if any, BIDDER desired to deviate from the terms and conditions of NIT, the BIDDER shall upload a separate list of deviations in of the offer.

7.0 MANPOWER DEPLOYMENT

The BIDDER shall upload, the estimated manpower required to be deployed for site visits, testing if any and preparation of reports and the total man-hours required for the assignment along with technical offer.

8.0 FIELD TESTING EQUIPMENT

The BIDDER in his offer shall categorically mention and certify that they have all the equipment required for various tests at site, if required only.

9.0 OWNER'S DECISION FINAL

OWNER reserves the right to reject or accept any bid without assigning any reason whatsoever. Manager (PE) shall be the Engineer in-charge for this job.

10.0 The contractor shall not engage any employees below 18.

11.0 In case of tender processed through GeM portal, evaluation of the bids shall be done as per GeM policy. The contract shall be finalized on <u>'L-1'</u> basis among the technically eligible tenderers. In case of Multiple L-1 bidders final bidder will be selected through GeM Run L-1 feature.

12.0 This is an E-tender, all the documents shall be uploaded on GeM portal. Notarized Affidavit and documents mentioned at point No. 1 & 2 of Eligibility criteria shall be submitted.

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

Annexure-II

Dated:

Date: 31.01.2024

DECLARARTION FORM-I

(To be submitted in Envelope No. II)

Ref. No: NFN/TS/ENERGYAUDIT/2023/1

To,

DGM (TS & Projects) National Fertilizers Ltd. Nangal Unit

Subject: Tender No. 2023/1 Name of the contract: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities.

I/We ______have read the conditions of tender attached hereto and agree to abide by such conditions. I/We offer to do the job of "Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities (work)" at the rates quoted in the attached Schedule of Rates and in accordance with the specifications, standards and instructions in writing, of the Engineer-incharge of M/s. National Fertilizers Limited and hereby bind myself/ourselves to complete the work schedule and progress of work.

I/We further agree to abide by the conditions of contract and to carry out all work within the specified time in accordance with specifications of materials and workmanship and instructions referred to in the Notice Inviting Tenders.

I / We agree to accept payment by ECS / EFT from your Bank. Details of my/our Bank A/c No. are as under:

| Bank A/c No. | |
|---|--|
| Type of Account (Current A/c or Saving A/c) | |
| Name of the Bank | |
| Address of the Bank & Branch | |
| Branch Code: | |
| IFSC Code | |

In case of acceptance of the tender by National Fertilizers Limited, I/We bind myself / ourselves to execute the contract as per the conditions mentioned in the tender documents, failing which, I/We shall have no objection or claim to the forfeiture of the Earnest Money deposited with National Fertilizers Limited, Nangal Unit.

Thanking you

Yours faithfully

(Signature of Contractor/Tenderer with stamp) Address: _____

ANNEXURE-III

DECLARATION FORM-II

(To be kept in Envelope No. II)

The following declaration to be signed by tenderer / Contractor and to be submitted along with required documents which would be duly self- certified:

| Sr. No. | DESCRIPTION | | | |
|------------|---|---|---|---|
| 1 | If a Tenderer has relation(s) whether by blood or otherwise with any of employee(s) of NFL (Owner), the Tenderer must disclose the relation at the time of submission of Tender. NFL shall reserve the right to reject the Tender or rescind the Contract, if such information is found incorrect. | YES / NO (If Ye Name & Design. of the Employee | s, give the fo Place of Posting | llowing details) Relation with the Employee |
| 2 | <u>P.F. Registration No.</u> of the firm / company to be indicated along with Documentary proof thereof. | | | 1 |
| 3 | <u>PAN No.</u> (Permanent Account Number) of the firm / company issued by Income Tax Deptt. along with Documentary Proof thereof. | | | |
| 4 | <u>GST Registration No.</u> of the firm / company issued by GST authorities along with Documentary Proof thereof. | | | |
| 5 | ESI Registration No. issued by ESI Authorities along with documentary proof thereof. | | | |
| 6 | <u>MSME Registration</u> If the firm is registered as Micro/Small/Medium Enterprises as per MSMED Act, 2006, the same may be confirmed by the tenderer and submit a photocopy (Self certified) of the registration certificate of relevant services, in support thereof. Otherwise it will be construed that the firm is not registered as per MSMED Act, 2006. | certific | Yes / No certified cop cate to be sul ton the categ ro/Small/Me | gory i.e. |
| 7 | Type of Firm to be specified (Proprietor / Partnership / Limited Co. etc.) | | | |
| 8 | Name of the Firm | | | |
| 9 | Address of the Firm | | | |
| 10 | <u>Contactor's Details:</u> a) Name of the Person: b) Mobile number / Landline Number c) Email | a) b) c) | | |
| 11 | Power of Attorney for submission of tender document, as applicable Submitted | | Yes / No | |
| 12 | Tender cost Amount, DD Number and Date | | | |
| 13 | EMD Amount, DD Number and Date | | | |

Note: Please attach separate sheets for the details, wherever necessary.

| Place: | |
|--------|--|
| Dated: | |

Signature of the Contractor/ Tenderer with stamp

ANNEXURE- IV

DECLARATION FORM-III

(To be kept in Envelope No. II)

To,

DGM (TS& Projects) National Fertilizers Ltd. Naya Nangal

Subject: Tender No. 2023/1 Name of contract: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities.

Dear Sir,

| 1 | Undertaking | |
|---|--|--|
| 1 | | |
| | a) I/We hereby confirm that Commercial Bid i.e. Price Bid is strictly as per Schedule of Quantities (Description/ Unit/Quantity of Items), Terms & Conditions and is also Unconditional, including rebates offered. I/We shall have no objection for rejection of the offer, if found conditional. b) All the pages of NIT and GTC issued to us have been signed for its validity in token of its acceptance by us. c) It is confirmed that all the columns in the Price Bid, submitted in the Envelope-III, have been | |
| | duly filled. | |
| | d) I/We agree to evaluation of price bids and loading of GST under the terms of the NIT. | |
| 2 | Acceptance of Tender Conditions | |
| | I/We have personally read and gone through the scope of work, General Terms and Conditions of Contract (G.T.C.) and Special Terms and Conditions of NIT for the subject work, and I/we accept all the terms & conditions as mentioned in the G.T.C & NIT without any reservation and shall abide by the same. | |
| 3 | For downloading the Tender Document from NFL's Website | |
| | With reference to your NIT No dated and the tender documents displayed on your web site, we hereby submit our tender for the subject work. Since we have not purchased the tender document from your office and the tender documents have been down-loaded by us from NFL web site, we are hereby enclosing a demand draft No dated of (Bank) amounting to Rs only), in favour of | |
| | National Fertilizers Limited, payable at Naya Nangal towards the cost of tender documents. | |
| | We have deposited the tender fee through payment link provided on NFL's website (<u>www.nationalfertilizers.com</u>) as per the details mentioned in Annexure-I-A(2), and copy of the same is submitted in Envelop-I | |
| 4 | Labour License (If applicable) The contractor shall obtain Labour License, wherever applicable, from the appropriate Licensing Authorities i.e. Central/State Government under the Contract Labour (R&A) Act, 1970 & Contract Labour (R&A) Central Rules, 1971 and submit a copy of the same to NFL, Naya Nangal before start of execution of contract work. Accordingly we hereby give undertaking that: "As per provisions made under the Central Labour (R&A) Act 1970 & Contract Labour (R&A) Central Rules, 1971, we would obtain Labour License for the aforesaid job of | |

| | Authorities is Control/State Covernment as applicable from time to time and submit a conv of | | |
|---------|---|--|--|
| | Authorities i.e. Central/State Government, as applicable from time to time, and submit a copy of | | |
| | the same to NFL, Naya Nangal before start of execution of contract work". | | |
| 5 | I/We declare that the information and documents submitted along with the tender by me/us are | | |
| _ | correct and I/we are fully responsible for the correctness of the information and documents, | | |
| | | | |
| | submitted by us. It is further certified that I/We will not get myself/ourselves registered under more | | |
| | than one name. | | |
| 6 | I/We understand that in case of any information submitted by me/us is found to be false, forged or | | |
| _ | incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender | | |
| | | | |
| | Earnest Money Deposit besides banning of business as per rules of NFL | | |
| 7 | I/we also understand that if the certificates submitted by us are found to be false/forged or incorrect | | |
| | at any time after the award of the contract, it will lead to termination of the contract, along with | | |
| | forfeiture of EMD/SD and Performance guarantee besides any other action provided in the contract | | |
| | - · · · | | |
| | including banning of business as per rules of NFL. | | |
| A 11 /1 | | | |
| All the | All the information filled herein and attached hereto are true to the best of my knowledge and belief. | | |
| | | | |

Thanking you

Yours faithfully

Signature of the Contractor/ Tenderer with stamp

Place: _____ Dated: _____

ANNEXURE - V

REGISTRATION OF GST NUMBER

Requirement of GST Number:

The bidders are required to obtain the valid GST No., if applicable, as per laid down provisions under GST Act and submit a copy there of as a documentary evidence. Further in case the registration is not applicable under GST Act the same may be confirmed and following undertaking may be given by bidder

UNDERTAKING

Whether Registration certificate obtained: Yes/No (tick whichever is applicable)

- a) In case Yes, copy of valid certificate enclosed.
- b) In case No, It is confirmed that registration under GST Act is not applicable.
- c) In case registration under GST Act becomes applicable during the currency of contract, same shall be obtained and copy of valid GST No. shall be submitted to the NFL.

(Signature & stamp of bidder)

PROFORMA FOR NOT BLACK LISTED, DEBARRED, DE-LISTED OR PUT ON HOLIDAY ANNEXURE- VI

(To be kept in Envelope No. II)

(An Affidavit in original on Non-judicial Stamp Paper of Rs.50.00 duly attested by Notary)

AFFIDAVIT

| With reference to NIT No | | Dt of National |
|---|-----|------------------------------------|
| Fertilizers Ltd., Naya Nangal for the work of _ | | I, |
| S/o Sh | R/o | do |
| hereby solemnly affirm and declare as | | (Proprietor / Partner / Authorized |
| signatory of the firm) on behalf of M/s | | as under :- |

- i) That my / our firm / sister concern/ their associates etc. has not been Black listed, Debarred, De-listed or put on holiday by any Institutional Agency / Government Department / Public Sector Undertaking for participating in the Tender, in last 3 years.
- ii) No other Firm / Sister Concerns / Associates belonging to the same group are participating / submitting the Tender for this job.
- iii) That information furnished by me / us in respect of the above tender is true and correct and nothing has been concealed. In case any of the information is found to be false and /or incorrect at any stage, NFL shall be at liberty to take the necessary action as deemed fit.

DEPONENT

Dated:_____

VERIFICATION

It is certified that the above contents / facts are correct and true to the best of my knowledge and belief and nothing has been concealed therein.

DEPONENT

| Place | |
|-------|--|
| Date: | |

ANNEXURE -VII

ELIGIBILITY CRITERIA

The bidders, in order to become eligible to participate in the bid, need to meet the following eligibility criteria and submit the self-certified documentary evidences in support thereof, failing which price bid shall not be opened. Techno-Commercial Criteria

| Sr. | o-Commercial Criteria | | |
|-----|--|--|--|
| No. | Eligibility Criteria | Supporting Documents Required | |
| 1 | a) The bidder shall submit the status (i.e Name and complete Address) of the firm/company along with its constitution such as Sole Proprietorship / Partnership Firm or Limited / Private Company, Year of Establishment and Place of Business, etc. b) Affidavit as non-Arrestory VI on Name | In case of sole proprietorship, the bidder shall submit affidavit on Non- Judicial stamp paper of Rs.50/- in original, notary regarding status / style of the business entity as per Annexure-XI Partnership firm shall submit a copy of Partnership Deed attested by notary or certified by Magistrate. Company shall submit a notarized or certified by Magistrate copy of Certificate of Registration / Incorporation and a copy of Articles of Association and Memorandum of Association. Registered Society & Registered Trust shall submit Notarized or certified by Magistrate copy of the Certificate of Registration and Deed of Formation/MOA. Note: The copy should be Notarized by a Notary Public or certified by Magistrate on or after date of issue of NIT | |
| | b) Affidavit as per Annexure-VI on Non- judicial paper in original for Not Black listed, Debarred, De-listed or put on holiday of firm | Affidavit in original | |
| | c) Power of Attorney / Authorization | • The bidder shall submit Notarized or certified by Magistrate copy of Power of Attorney on Non- Judicial stamp paper of value Rs.50 duly attested by Notary/Magistrate in case of Sole Proprietor / Partnership Firm / Company or Authorization (backed by Board Resolution) in case of a Company in favour of a person who has signed the tender documents on behalf of tenderer / Firm / Company. | |
| | | Note: The copy should be Notarized by a Notary Public or certified by Magistrate on or after date of issue of NIT | |
| 2 | a) The bidder should have valid Permanent Account Number (PAN), GST Registration No., PF Registration No. and ESI Registration No. b) Declaration / Disclosure regarding any relation(s) with employees of NFL, Downloading of tender forms from NFL website etc. | The bidder shall submit Declaration I, II & III with self-attested copy of related documents wherever required like i) PAN Card. ii) GST registration certificate iii) P.F Registration No. issued by PF Authorities. iv) ESI Registration No. issued by ESI Authorities, etc | |
| 3 | The bidder should have successfully | The bidder shall submit self-attested copies of | |

| | completed "Similar Works" with performance and completion certificate, during the last seven years ending last day of previous month in which NIT has been issued. Definition of "SIMILAR WORK" Similar works means Comprehensive Energy Audit of Ammonia Urea fertilizer complex or refinery/petrochemical industry. | successfully completed Contracts / Work Orders and Completion Certificate (mentioning the contract period, executed value & date of completion) along with name, address & contact number of the issuing authority (end user) for at least one of the following: a) Three similar completed works/contracts each having annual executed value not less than ₹ 0.90 lakhs being the amount equal to 40% of the estimated cost of work ₹ 2.24 lakhs. (inclusive of GST). OR b) Two similar completed works/contracts each having annual executed value not less than ₹ 1.12 lakhs being the amount equal to 50% of the estimated cost of work ₹ 2.24 lakhs. (inclusive of GST). OR c) One similar completed work/contract having annual executed value not less than ₹ 1.79 lakhs being the amount equal to 50% of the estimated cost of work ₹ 2.24 lakhs. (inclusive of GST). OR c) One similar completed work/contract having annual executed value not less than ₹ 1.79 lakhs being the amount equal to 80% of the estimated cost of work ₹ 2.24 lakhs. (Inclusive of GST). Copies of Work orders in support of the above with full technical scope of work & commercial details including purchase/work order value along with the completion certificate from the concerned organization (end user) regarding the satisfactory performance indicating the contract period, executed value and date of completion. In case party is not able to submit Performance certificate from End User, then party shall submit Name & address of the User plant and Name, phone. No. & email ID's of all the concerned persons of User Plant. In that case, decision of NFL will be final. (In case, the work order / contract is for a period of one year or more than one year, relevant experience is to be taken for one year period. Accordingly, if period of the work order, for completed work, submitted by the bidder is more than one year then value of the contract shall be interpolated for one year.) |
|---|--|--|
| 4 | Average Annual financial turnover of the bidder during the last 3 years ending 31st March of the previous financial year should be at least \textcircled{C} 0.67 being the amount equal to 30% of estimated cost of work for one year i.e. \Huge{C} 2.24 lakhs. | Bidder shall submit self-attested copies of Audited Balance Sheet and Profit & Loss A/c for the last three financial years ending on 31st March of the previous financial year. (i.e. FY: 2020-21, 2021-22 & 2022-23) In case the bidder do not fall under the ambit of |

| | | statutory audit, and do not have audited annual reports / audited Balance Sheets and Profit & Loss Statements, shall submit a statement certified by Statutory Auditor / practicing Chartered Accountant with UDIN as documentary evidence in support thereof. |
|---|--|---|
| 5 | The name of BIDDER should appear on the list of accredited auditors available on BEE website as on Tender Opening Date. Names of ACCREDITED ENERGY AUDITOR/s proposed to be taken up the present task shall be indicated in BID | The Bidding firm shall submit copy of its accreditation certificate of proposed accredited Energy auditors who shall take up the task. The experience of the energy auditors will be as indicated in 3.0 above. Supporting document of Energy auditors to this effect shall be provided. |

Signature of the Tenderer / Contractor with stamp

NOTE:

- 1. In case of newly formed partnership firm, the credentials of individual partners from previous propriety firm(s) or dissolved previous partnership firm(s) or split previous partnership firm(s), shall be considered only to the extent of their share in previous entity on the date of dissolution / split and their share in newly formed partnership firm. For example, a partner A had 30% share in previous entity and his share in present partnership firm is 20%. In the present tender under consideration, the credentials of partner A will be considered to the extent of 0.3*0.2*value of the work done in the previous entity. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No. (s) in case of dissolution of partnership firm(s) etc.
- 2. In case of existing partnership firm, if any one or more partners quit the partnership firm, the credentials of remaining partnership firm shall be reworked out i.e., the quitting partner(s) shall take away his credentials to the extent of his share on the date of quitting the partnership firm (e.g. in a partnership firm of partners A, B & C having share 30%, 30% & 40% respectively and credentials of Rs 10 crore; in case partner C quits the firm, the credentials of this partnership firm shall remain as Rs 6 crore). For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No.(s) in case of dissolution of partnership firm(s) etc.
- 3. In case of existing partnership firm if any other partner(s) joins the firm, the credentials of partnership firm shall get enhanced to the extent of credentials of newly added partner(s). on the same principles as mentioned in item 1 above. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deeds, dissolution/splitting deeds and proof of surrender of PAN No.(s) in case of dissolution of partnership firm etc.
- 4. Any partner in a partnership firm cannot use or claim his credentials in any other firm without leaving the partnership firm i.e., In a partnership firm of A&B partners, A or B partner cannot use credentials of partnership firm of A&B partners in any other partnership firm or propriety firm without leaving partnership firm of A&B partners.

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

- 5. In case a partner in a partnership firm is replaced due to succession as per succession law, the proportion of credentials of the previous partner will be passed on to the successor.
- 6. If the percentage share among partners of a partnership firm is changed, but the partners remain the same, the credentials of the firm before such modification in the share will continue to be considered for the firm as it is without any change in their value. Further, in case a partner of partnership firm retires without taking away any credentials from the firm, the credentials of partnership firm shall remain the same as it is without any change in their value.
- 7. In a partnership firm "AB" of A&B partners, in case A also works as propriety firm "P" or partner in some other partnership firm "AX", credentials of A in propriety firm "P" or in other partnership firm "AX" earned after the date of becoming a partner of the firm AB shall not be added in partnership firm AB.
- 8. In case company A is merged with company B, then company B would get the credentials of company A also."

Signature of the Tenderer / Contractor with stamp

ANNEXURE-VIII

EVALUATION CRITERIA

- 1. The contract shall be awarded on Composite L-1 basis. However, in case, it is found that L-1 tenderer has quoted non-workable rates for one / more items due to which they become L-1, NFL reserves the right to reject such tender. This condition shall be applicable on next lowest tender (s) also.
- 2. If the tenderer does not quote rate of any item, it may be noted that for evaluation purposes the same shall be taken based on the highest rate quoted by the other tenderers. However, order shall be placed for the same item based on the lowest rate quoted by the other tenderers. In that case, the party shall have to execute that item(s), failing which action shall be taken as per terms & conditions of the contract.
- 3. Tenderer are required to quote their rates of the respective item of work as per the "UNIT" of Item mentioned in the Schedule of Quantities. If it is found that the contractor has quoted his rates against a particular item(s) by changing the "UNIT", the such quoted rates of the contractor with the changed "UNIT" shall be ignored and treated as UNQUOTED RATE against that particular Item(s) and the tender shall be evaluated as Para 2 above.
- 4. The revised bids on due date of opening of the tenders, as per NIT, shall not be entertained. Where for any reason the due date and / or time of opening the tender is extended, intimation regarding revised tender opening date and time shall be given / displayed on the website, In case any of the parties, who have submitted offer earlier, submits revised offer, within extended period, their revised offer only will be considered for opening. However where techno-commercial negotiations are conducted with all the bidders to clarify the deviations vis-à-vis tender specifications/ requirements, which lead to changes in terms / conditions and / or technical specifications, the bidders shall be given a fair chance to revise their price bids accordingly. However revision in prices, if any, may be through Add-on / Reduction on account of change in terms / conditions and / or technical specifications w.r.t. original price bid submitted by all the eligible bidders before opening of original price bid. While evaluating the offers, the impact of add-on / reduction on the original price bid should be considered and no fresh revised price bid should be sought from bidders against the same tender.
- 5. If tenderer offers rebate unilaterally after due date and time of submission of tender/bids, it is not to be taken into account for evaluation purpose. But if that bidder/tenderer emerges as a lowest evaluated bidder/tenderer, the rebate so offered is to be taken into account for placement of order.
- 6. The rates should be quoted in words and figures. If some discrepancies are found between the rates given in the words and figures or the amount shown in the tender, the following procedure shall be followed:
 - a) When there is difference between the rates in figures and words, the rates which correspond to the amount worked out by the tenderer shall be taken as correct.
 - b) When the rates quoted by the tenderer in figures and words, tallies but the amount is incorrect, the rate quoted by the tenderer shall be taken as correct.
 - c) When it is not possible to ascertain the correct rate in the manner prescribed above, the rate as quoted in words shall be adopted.

ANNEXURE-IX

NATIONAL FERTILIZERS LIMITED DEFINITIONS OF TERMS

In the contract documents herein defined where the context so admits, the following words and expression will have the meanings assigned to them respectively:

1. "The OWNER or NFL" means the NATIONAL FERTILIZERS LTD., incorporated in India, having its registered office at SCOPE COMPLEX, Core No-III, 7, Institutional Area, Lodhi Road, New Delhi-110003.

"Bid" (including the term 'tender', 'offer', 'quotation' or 'proposal' in certain contexts) means an offer to supply goods, services or execution of works made in accordance with the terms and conditions set out in a document inviting such offers.

"The Bidder" (including the terms "tenderer", "consultant" or "service provider") in certain context means any eligible person, firm or company participating in the tendering process.

"Notice Inviting Tenders(NIT)" (including the term 'Invitation to bid' or 'request for proposals' in certain contexts) means a document and any amendment thereto published or notified by the owner, which informs the potential bidders that it intends to procure goods, services and/ or works.

- 2. The "ENGINEER-IN-CHARGE" shall mean the person designated as such by NFL and shall include those who are expressly authorized by him to act for and on his behalf for operation of this contract.
- 3. The "WORK" shall mean the works to be executed in accordance with the contract or part thereof as the case may be and shall include all extra, additional, altered or substituted works as required for purpose of the contract.
- 4. "CONSTRUCTION EQUIPMENT" means all appliances and equipment of whatsoever nature for the use in or for the execution, completion operation or maintenance of the work unless intended to form part of permanent work.
- 5. "SITE" means the areas in which the work is to be performed by the Contractor and shall include a part or portion of the site on which the permanent work is proposed to be constructed.
- 6. The "TENDER DOCUMENTS" shall consist of Short Tender Notice, General Instructions to the Tender, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, Time Schedule Tender Form, Proforma or Agreement Form Schedule of Rates, and Addendum/Addenda to Tender Documents.
- 7. "THE CONTRACTOR" means any person or persons or firm or company whose Tender has been accepted by NFL with the concurrence of the Owner, and the legal personal representatives, successors and permitted assigns of such person, persons firm or company. Contractor includes "Service Provider or Consultant" also.
- 8. The "CONTRACT" shall mean the Agreement between NFL and the Contractor for the execution of the works including therein all contract documents.

- 9. The "SPECIFICATIONS" shall mean the various Technical specifications attached and referred to in the Tender documents. It shall also include the latest addition of relevant Indian Standard Specifications published before entering into contract.
- 10. "The DRAWINGS" shall include Maps, Plans and Tracings OR Prints thereof with any modifications approved, in writing by the Engineer-in-charge and such other drawings as may, from time to time, be furnished or approved in writing by the Engineer-in-charge.
- 11. The "CONTRACT DOCUMENTS" shall consist of Agreement, Tender documents as defined in Clause 6, 7 & 8 above, Acceptance of Tender and further amendments.
- 12. The "ALTERATION ORDER" means an order given in writing by the Engineer-in-charge to affect additions to or deletion from and alterations in the works.
- 13. The "COMPLETION CERTIFICATE" shall mean the Certificate to be issued by the Engineer-in-charge when the works have been completed to his satisfaction.
- 14. The "FINAL CERTIFICATE" in relation to a work means the Certificate issued by the Owner after the period of liability is over.
- 15. The "PERIOD OF LIABILITY" in relation to work means the specified period from the date of issue of Completion Certificate upto the date of issue of Final Certificate during which the Contractor stand responsible for rectifying all defects that may appear in the works.
- 16. "ZERO DATE" shall mean the date of issue of LETTER OF INTENT (LOI) or issue of WORK ORDER, whichever is earlier.
- 17. "GTC/GTCC" means General Terms & Conditions of Contract. "STC" shall mean Special Terms and Conditions of the contract.
- 18. Technical Terms and Conditions & Special Terms and conditions are succeeding to GTC. In case of any discrepancy or inconsistency between technical terms and conditions, special terms and conditions and general terms and conditions, the following order of preference shall be followed:
 - a) Scope of Work /Technical Terms and Conditions
 - b) Special Terms and Conditions
 - c) General Terms and Conditions (GTC/GTCC)

ANNEXURE-X

GENERAL TERMS & CONDITIONS (GTC/GTCC)

- 1.1.0 The execution of the work may entail working in all the site and weather condition and no extra rate will be considered on this account. The contractor may have to carry out the jobs to work round the clock as per our requirement to be decided by Engineer in- charge and the Contractor should take this aspect into consideration for formulating his rates and quotation. No extra claim/overtime will be paid on this account.
- 1.2.0 Electricity, Water and Service Air will be provided free of cost at one point as per requirement of the job. All lifting tools & tackles are to be got tested under the Competent Person engaged by State Government from time to time and the certificates duly verified by Competent Authority are to be submitted to the Department before taking up the job.
- 1.3.0 Suitable accommodation will be provided for the contractor or his authorized representative on chargeable basis, if available, NFL may allot land for putting temporary Godown/ workshop for making storage, work site by the contractor, free of cost.
- 1.4.0 The contractor shall have to make his own arrangements for all Tools & Tackles, Skilled and Unskilled labours etc. required for the job. The work is subject to inspection at all time by the Engineers-in-charge and the Contractor shall have to carry out the work to the entire satisfaction of the Engineer-incharge.
- 1.5.0 Sub-Contracting of the job will not be allowed without prior written permission of the owner (NFL). If sub-contracting is allowed by owner in full or part, the contractor shall be solely responsible for paying each Sub-Contractor and any other person to whom any amount is due from Contractor for services, materials or supplies otherwise related to the Work. Contractor shall take all reasonable steps and actions to ensure that such services have been or will be properly performed. owner shall not be deemed by virtue of the Contract to have any contractual obligation to or relationship with any Sub Contractor. The responsibility of successful completion of work by subcontractor shall lie with Contractor. Subcontracting will in no way relieve the Contractor to execute the work as per terms of the Contract.

1.6.0 **Payment of Taxes and Duties:**

- (1) The rates to be quoted by the tenderer should be inclusive of all applicable taxes, duties, levies etc. but excluding GST. Statutory deductions on account of Income Tax at source, at the applicable rates of the Gross Value of the Bill shall be made from the Contractor's monthly bills for depositing the same with respective Statutory Authorities as per the provision of the respective Acts and guidelines issued by Govt. of India. No request for increase / decrease or inclusion of any tax shall be entertained afterwards.
- (2) The rates quoted for materials should be on F.O.R. basis and are inclusive of all taxes. No GST will be paid as extra.
- (3) Addition / deletion of taxes imposed by the State Governments / Central Government after submission of tender documents and during contractual period shall be to NFL's account. Any subsequent change in the rate of GST shall be to NFL's account during contractual period only.
- (4) The Total Contract Value shall be inclusive of all applicable taxes, duties, levies etc. except GST.
- a) The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to NFL immediately after the award of contract, without which no payment shall be released to the contractor. The contractor shall be responsible for deposit of applicable GST to the concerned authority.
- b) NFL shall pay GST as per provisions of GST Act. GST, as applicable for the work under the contract shall be reimbursed by NFL after GST Invoice is uploaded and submitted on GST portal through GSTR-1.
- c) Party shall issue the taxable invoice in the manner prescribed under the GST Act within 30 days from the date of successful completion of job/contract in case of full & final payment against 1st & final bill and within 30 days of billing period in case of annual rate contracts having provision for monthly R/A bills. In case of any difference between the taxable/assessable value / or tax charged in the tax invoice is found the contractor shall issue credit/debit note as the case may be in the manner specified in the Act, failing which NFL may withhold the payment till the rectification of such difference. Up loading of taxable invoice and credit/debit note shall be done by the contractor strictly within the period prescribed in GST Act.
- d) In the event input tax credit of the GST charged by the contractor is denied by the tax authorities to NFL, then NFL shall be entitled to recover such amount from the contractor by way of adjustment from the next invoice/Security Deposit. In addition, to the amount of GST, NFL shall also be entitled to recover interest and penalty, in case it is imposed by the tax authorities on NFL.
- e) Any increase in GST rates during the delayed completion period shall be to contractor's account. However any decrease in GST rate during the delayed period shall be passed on to the NFL.
- (5) Liability of NFL shall be restricted to the amount of GST only, and any interest / penalty etc. shall be to the contractor's account.
- (6) Nature of Contract and Applicable GST Rates: Rates & Guidelines shall be applicable as notified by the Central Govt. from time to time.
- (7) As per GST, the liability towards payment of GST lies with the service provider, so NFL is not responsible for any non-compliance of the GST Law by the tenderer. However, in case of services notified for liability of payment of GST, under Reverse Charge Mechanism, on the part of service receiver, the Company (NFL) shall comply with the same as the service receiver.
- 1.7.0 The rates quoted by the tenderer will be firm for the currency of the contract period including extension if any and will not be subjected to escalation irrespective of any increase what so ever. Note: Where the contract is labour oriented, the escalation clause, if required, may be mentioned in the tender document.
- 1.8.0 The Tenderer should make a deposit of Rs. 2000 as Earnest Money and Rs. 200 as Tender Fees by an A/C Payees Demand Draft, drawn on any Scheduled Bank except Rural or Co-Operative Bank in favour of "National Fertilizers Limited, Nangal Unit" payable at Nangal / Naya Nangal or through payment link provided on our website (www.nationalfertilizers.com) and details to be indicated in Annexure-IV which is to be submitted in Envelop-I. The Earnest Money and Tender Fees shall not be accepted in any other form except specified. Earnest Money and Tender Fees should accompany the Tender in separate Envelope without which tender will not be opened and it will be considered as rejected.

The EMD shall be forfeited and appropriated by NFL in regard to the NIT without prejudice to any other right or remedy to NFL under the following conditions:

- a) If a Bidder withdraws his Bid during the validity or agreed extension validity period duly agreed by the bidder.
- b) If the bid is varied or modified in a manner not acceptable to the NFL during the validity or agreed extension validity period duly agreed by the bidder.
- c) In the case of a successful Bidder, if the bidder fails to commence the work awarded to him or sign the Contract agreement in accordance terms of Contract.
- d) In the case of a successful Bidder If the successful bidder fails to furnish Security Deposit /Performance Guarantee in accordance terms of Contract.
- e) If bidder is delisted/debarred or blacklisted by NFL.

The failed Contractor/tenderer, for the reasons as stated above shall be debarred from participating in the re-tender for that work.

(1) **Bid Validity:**

The bid should be kept valid for acceptance for a period of 120 (one hundred twenty) days from the date of opening of tender/Technical Bid. A bid valid for shorter period may be rejected by the owner as being non-responsive.

Under the exceptional circumstances, prior to expiry of the original Bid validity period, the owner may request the Bidder for a specified extension in the period of validity. The request and the responses thereto shall be made in writing or by E-mail.

In the event of owner seeking extension of period of validity of the Bids, the validity of EMD shall also be suitably extended.

A Bidder agreeing to the request of owner seeking extension will not be required nor permitted to modify his bid, and will be required to extend the validity of his EMD correspondingly.

- 1.9.0 The following tenders will be liable to be rejected:
 - a) Tenders submitted by Tenderer who resort to canvassing.
 - b) Tenders, which do not fulfil any of the conditions, laid down in the Tender Documents or are incomplete, in any respect.
 - c) Tender, which contain uncalled for remarks or any alternative additional conditions.
- (1) The company reserves the right to accept the lowest or any other Tender in part or in full or award parallel contracts or reject all or any of the Tender without assigning any reasons.
- 1.10.0 If the tenderer has relations whether by blood or otherwise with any of the employees of the NFL, the tenderer must disclose the relation in the Form of Declaration attached, at the time of submission of tender failing which NFL shall reserve the right to reject the tender or rescind the Contract. It shall also be certified by the tenderer that none of NFL's ex-employee is employed with them. (In case any ex-employee of NFL is employed, furnish details separately).
- 1.11.0 The contractor may employ such employees/ labours as he may think fit and the employees so employed should be employees of contractor for all purposes whatsoever and shall not be deemed to be in the employment of NFL for any purpose whatsoever. The contractor shall abide by all rules, laws and regulations that may be in force from time to time regarding the employment or conditions of service of the employees. If under any circumstances whatsoever, NFL is held responsible in any manner whatsoever for the default or omission on the part of the Contractor in abiding by the

aforesaid rules, regulations and laws or held liable or responsible to the employees of the contractor in respect of any matter whatsoever and called upon to make payments on that account, NFL shall be reimbursed by the contractor for the same as also any other expenses costs and charges incurred by NFL in any proceeding or litigation arising out of any claim, demand or act on the part of the employees of the contractor, NFL shall be entitled to claim, demand or compensation from the contractor in that event. NFL shall also be entitled to recover the aforesaid amount from the Contractor that may become due and payable to Contractor.

- 1.12.0 Interested tenderer after studying the tender documents carefully, may obtain necessary clarifications, if any in writing before tendering, Submitting of tender implies that the Tenderer has obtained all the clarifications required. No claim on ground for want of knowledge in any respect will be entertained. No claim for extra charge consequent on any misunderstanding or otherwise will be allowed.
- 1.13.0 The Contractor shall be liable to the company for any omission or Commission on his part or on the part of his employees thereby causing any loss, damage or inconvenience to the company.
- 1.14.0 The Contractor shall make his own arrangement for removal of old as well as unused material, including packing materials and empty cases free of cost from work site to the place indicated by the Engineer-in-charge after completion of work and nothing extra will be paid.
- 1.15.0 The decision of Engineer-in-charge in regard to all matters relating to the Tender and for determine the category of work with reference to material of an item not mentioned in scope of work shall be final.

1.16.0 **Quantum of Job**:

Estimated value of work has been worked out on technical assessment / on the basis of job executed in past. NFL will not give any guarantee for minimum billing, minimum quantum of work during the period / currency of the contract.

1.17.0 If the Contractor is unable to execute the work any loss incurred by the company in this respect, will be, to the Contractor's account. The company may also terminate the contract after giving a notice, if in its opinion; the work under the contract is not being done to its satisfaction. The Company will also have right to get the job done by a third party at the risk and cost of the Contractor till the expiry of the period of the contract and debit the cost plus 25% to the Contractor.

1.18.0 Validity of the Contract:-

The Contract shall remain valid for a period as specified in STC/NIT reckoned from the date of its award. The job can therefore, be got done any time during the tenure of the contract. Normally Notice to 7 days be given for starting the job but the Contractor should be able to mobilize within 24 hours, if the necessity so arises.

1.19.0 Force Majeure:-

The terms and conditions agreed upon under the contract shall be subject to Force Majeure. Neither the contractor nor NFL shall be considered in default in the performance of their obligation contained therein, if such performance is prevented or delayed or restricted or interfered with by reason of War, Hostilities, Acts of Public Enemy, Civil Commotion, Strike, Lockouts, Epidemics/Pandemics, Accidents, Fires, Explosions, Flood, Earthquake, regulation or ordinance or requirement of any Government or any sub-division thereof or authority or representative of any

such Govt., and/or due to technical snag/reasons or any other Act whatsoever, whether similar or dissimilar to those enumerated beyond the reasonable control of the parties hereto or because of any act of GOD. The party so affected, upon giving prompt notice to other party of such conditions and cause thereof from within 15(Fifteen) days of occurrence of such event, shall be excused from such performance to the extent of such prevention, delay, restriction or interference for the period it persists provided that the party so affected shall use its best efforts to avoid or remove such causes of non- performance if possible and shall continue performance hereunder with the utmost dispatch whenever such causes are removed.

If the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 90 (Ninety) days, either party may at its option terminate the contract by giving notice to the other party.

For delays arising out of Force Majeure neither NFL nor the Contractor shall be liable to pay extra costs or to make good any losses incurred consequent to the happening of any of the event, provided it is mutually established that Force Majeure condition did actually exist.

1.20.0 Loss to plant during execution:

Any damage or loss caused to plant Equipment etc. during execution of this contract will be made good by the contractor at his own cost and risk.

- 1.21.0 NFL shall have power to make any alteration in, omission from, addition to, or substitutions for original Specifications and instructions which may be considered necessary, during the progress of work and Contractor shall have to carry out the work in accordance with any instruction which may be given to him in writing duly signed by Engineer-in-charge. Such alteration, omission, additions, substitutions, shall not invalidate the contract and any altered, additional or substituted work which the Contractor may be directed to do in the manner above specified as a part of the work, shall be carried out by the Contractor on the same condition in all respects on which he has agreed to do the main work.
- 1.22.0 If the rate for the additional altered or substituted work are specified in the contract for the work. The Contractor is bound to carry out the additional, altered or substituted work at the same rate as per specifications in the rate contract for that work.
 - i) In the event the extra or substituted items of the work does not fall in category as above, the cost will be calculated on the basis of actual labour and consumable materials utilized for the job. The quoted rates will be inclusive of overhead and profit. The quantum of labour and consumable material used will be assessed by the Engineer-in-charge, whose decision in this respect will be final and binding upon the Contractor. The contractor will be required to obtain prior approval of NFL for rates payable to him for such extra items.
 - ii) In case, the Contractor fails to do the extra and/or substituted work. NFL will have the option to get the work done through another agency at the Contractors' risk and cost.

1.23.0 Security:

The contractor shall deposit SD towards faithful performance of the contract.

The Security Deposit together with EMD/Initial Security Deposit shall be 10% of the contract / Works order value. Initial Security Deposit (ISD) shall be 2.5% of the Contract Work Order Value which is required to be deposited within 15 days of the issue of the Letter of Intent (LOI) /Work Order (WO) by the successful tenderer. EMD can be adjusted against SD.

The balance security deposit amount shall be recovered @ 7.5% from each running bill and the final bill so as to make the total security deposit at 10% of the Contract / Work Order Value. In case work is split between two or more parties, SD shall be submitted based on the value of split order.

No interest shall be paid on security deposit. Any amount recoverable from the contractor shall be deducted from RA bill/security deposit. Security deposit shall be returned to contractor after successful completion of the contract and obtaining "No objection certification" from executive department after expiry of Defect Liability Period.

The successful tenderer can furnish a Bank Guarantee from any of the scheduled bank excluding Gramin / Co-operative Bank in the form specified by NFL against Security Deposit / Performance Guarantee (as applicable) for the faithful and proper fulfillment of the contract. The Bank Guarantee should be valid for a period of _____ months (contract period plus defect liability period) plus 3 months claims period. The Bank guarantee should be submitted by Bankers directly to NFL in a sealed cover and not through contractor.

The Contractor shall also arrange a copy of swift message, for confirmation of BG (including all amendments) through SFMS mode, from the BG issuing bank generated on communication regarding issue of BG to our designated bank ICICI Bank Ltd, K1, Senior Mall, Sector-18, Noida, UP, 201301, IFSC Code ICIC0000031, as per following details:-

- i. IFN 760 COV for issuance of bank guarantee
- ii. IFN 767 COV for amendment of bank guarantee
- Issuing bank shall mention IFSC code as ICIC0000031 in field 7035 of IFN 760 COV/IFN 767 COV.
- iv. Issuing bank shall mention NFL beneficiary code as NFLNATIONAL04022015 in field 7037 of IFN760COV/IFN767COV.

1.24.0 **Period of Liability**:

Defect liability period of works shall be for a period of one year or as specified in the NIT from the actual date of completion of work. The contractor shall at his own cost and initiative, correct repair and/or rectify any / and all defect(s) and/or imperfections in the design of the work (in so far as the contractor shall be concerned with the design of the work or any part thereof) and/or in the work performed and/or materials, components or other items incorporated therein as shall be discovered during the said defect liability period and in the event of the contractor failing to do so, NFL reserves the right to get the same repaired at the risk & cost of the contractor PLUS 25 % Departmental Charges plus applicable GST thereon , and the expenditure so incurred by NFL shall be adjusted towards the said Security Deposit and / or any other due lying with NFL.

1.25.0 **Procedure for Measurement/Billing of work in progress**:

a) <u>Measurement and Billing</u>:

All measurement shall be in metric system. All the works in progress will be jointly measured by the representative of the Engineer-in-charge and the Contractor's authorized agent, as per method outlined in the special, General Terms and Conditions of the contract. Such measurement will be got recorded in measurement book/sheet by the Engineer-in-charge or the authorized representative and signed in token of acceptance by the Contractor or his authorized representative. The Contractor will submit a bill in approved Proforma in Triplicate to the Engineer-in-charge of the work giving abstract and detailed measurements for the various items executed during a month before expiry of the 1st week of the succeeding month.

b) Running Account Payment:

All running account payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done.

c) <u>Completion Certificate/Final Bill</u>:

The Engineer-in-charge shall normally issue to the contractor the completion certificate within one month after receiving an application thereof from the contractor after verifying from the completion documents and satisfying himself that the work has been completed in all respect in accordance with the instructions, specifications of contract documents. The contractor after obtaining the completion certificate is eligible to present the final bill for the work executed by him. The final bill shall be prepared on the basis of the final measurements entered in the measurement books/sheets. The final bill shall be prepared in the prescribed Proforma with reference to total work covered by the contract such bill to be drawn up after applying the applicable rates specified in the schedule of rates to the relative measured quantities. The final bill shall also include all additional claims of the contractor and considered conclusive. The final bill, complete in all respects, shall be submitted by the Contractor within one month of the completion of work. No further claim shall be allowed by NFL after Final bill. Contractor shall also furnish "NO CLAIM CERTIFICATE" in the prescribed Proforma along with Final Bill.

d) <u>Final Certificate</u>:

Within fifteen days of the contractor's application made after the expiry of the period of defect liability provided for in clause 1.24.0 here of and satisfaction of all liabilities of the contractor in respect there of the Engineer-in-charge that the contractor has performed his obligations in respect of the defect liability period and until issue of such final certificate, the contractor shall be deemed not to have performed such liabilities not withstanding issue of the completion certificate or payment of the final bill by NFL.

1.26.0 **TERMS OF PAYMENT**:

a) Payment of monthly running account bill complete in all respect shall be made after making necessary recoveries as per contract within 30 days of receipt of bill by NFL, complete in all respects.

Payment of final bill shall be released within 60 days or otherwise stipulated in the NIT/WO after receipt of bill completed in all respect. Payment of 10 % security deposit/deducted shall be released after completion of defect liability period on demand within 30 days. Payment to MSME Parties shall be made with in a period applicable as per MSMED Act or payment terms as per NIT/WO, whichever is earlier.

- b) The contractor has the option to receive payment through Electronic Funds Transfer (EFT)/RTGS Process. For this option, they may submit their bank particulars i.e. Customers Name, Name of the Bank, Bank Account No.(All digits in case of CBS branches),Place of branch, Branch Code(IFSC CODE-II digits) to enable NFL to release payment accordingly. All bank charges will be to their account.
- c) Contractor shall submit bill in triplicate to the Department along with measurement sheet duly verified by area in-charge. The area in-charge will forward the bill after verification to F&A Department for payment through HOD.

- d) NFL shall deduct TDS-Income Tax as per Income Tax Act, TDS/TCS–GST wherever applicable as per GST law, Commercial Tax, Cess including BOCW Cess at source from all payments due and to be made to the Contractor under this contract in accordance with provisions of relevant Act and Rules framed there under including any amendment and modifications thereof as applicable from time to time.
- e) The contractor shall furnish along with each running bill a certificate that he has complied with statutory provisions relating to Minimum Wages, PF & ESI and Contract Labour (R&A) Act, 1970 etc. and shall also submit copies of Wage Sheet, PF & ESI Challan.
- f) Bill should be signed by a person holding power of attorney or authorized representative of contractor.
- g) In addition to above terms, payment of final bill will be made subject to, inter alia, following terms:
 - i) Payment of final bill will be made to the contractor after submission of certificate from CISF Gate that all the gate passes issued to the labourers of the contractor have been returned alternatively no objection certificate may be provided from CISF.
 - ii) The Payment of final bill will not be made until the contractor has handed over the peaceful vacant possession of land, if any, handed over to him free from all encumbrances including offices, stores, workshop, temporary structure, lighting, fixture poles etc.
 - iii) Return of empty packing material, scrap and unconsumed material issued by NFL.
 - iv) The contractor shall be required to give a certificate along with final bill that he has made all payments towards wages as defined under the Payment of Wages Act, 1936 and Contract Labour (R&A) Act, 1970 and has also complied with other provisions of Labour Laws in respect of manpower engaged/employed for the execution of work.
 - v) The contractor is further required to give an undertaking stating that in case any dispute arises on account of deployment of manpower/labour, contractor would be responsible to discharge the statutory obligations, if any, and NFL will stands indemnified against any such claim/demand made in future.

1.27.0 **Preservation of free issue material**:

All materials issued to the contractor by the owner shall be preserved against deterioration and storage while under contractor's custody, Any damage/losses suffered on account of non-compliance with the requirement stipulated herein shall be considered as losses suffered due to willful negligence on the part of the contractor and he shall be liable to compensate

NFL for the losses suffered at panel rates to be determined by the Engineer-in- charge with reference to the rates charged for the purpose of recovery shall be final and binding on the contractor.

1.28.0 Scrap Allowance:

Contractor will plan the work in such a way that the wastage to be minimum Following scrap allowance will be allowed. Beyond the allowance, the wastage will be chargeable to the contractor on NFL rate +25% + All Taxes will be charged extra.

| S No | PARTICULARS | SALVAGEABLE | | |
|------|-------------|-------------|--|--|
| А | STRUCTURE | 2.5 % | | |

| В | PIPE | 3.0 % |
|---|------|-------|
| | | |

1.29.0 Issue of material from NFL:

Any issue of materials from NFL stores not covered in NFL obligation will be issued and charged on NFL issue rate +25% + All Taxes will be charged extra. The issue of such material will be sole discretion of NFL.

1.30.0 **Issue of gas cylinder**:

Contractor has to make his arrangement for Oxygen and Acetylene Gas. However, the Oxygen and Acetylene gas can be issued on chargeable basis in exigencies subject to the availability constituting following components.

- a) Invoice price of gas.
- b) Rent for each Cylinder per day.
- c) Department charges.
- d) Cost of collection and return of empty Cylinder.

1.31.0 Material Transportation:

The contractor shall make his own arrangement for Transportation of the material from stores to site of work and to the place of erection etc. at his own cost for making temporary stores/work sites, NFL may indicate an area at its own discretion for putting up of a temporary hut/shed.

1.32.0 Liquidated Damages (LD):

The time and date of completion of work as stipulated in the contract shall be deemed to be essence of the contract. In the event of work is not completed according to the time schedule, the contractor shall have to pay Liquidated Damages to the NFL at the rates of 1% of the total value of work for delay of every week or part thereof, subject to a ceiling of 10% of the total value of the work plus applicable GST thereon. These Liquidated Damages shall be recovered from the RA/Final Bill of the contractor of this work, or from any other dues of the contractor against any other contract, or from any other dues of contractor lying with NFL.

1.33.0 Engineer-In-Charge:

The Engineer-in-charge shall have general supervision and direction of the work. He has authority to stop the work whenever such a stoppage may be necessary to ensure the proper execution of the contract. He shall also have authority to reject all work which directs the application of forces to any portion of the work as in his judgment is required and order force increased or diminished and to decide disputes, which arise in the execution of the work.

The Engineer-in-charge reserves the right to suspend the work or the part thereof at any time and no claim whatsoever on this account will be entertained. In case of any dispute the contractor may appeal to the Engineer-in-charge whose decision shall be final and binding.

1.34.0 Jurisdiction:

Notwithstanding any other court or courts having jurisdiction to decide the question(s) forming the subject matter of the reference if the same had been the subject matter of a suit, any and all actions and proceedings arising out of or relating to the contract (including any arbitration in terms thereof) shall lie only in the court of Competent authority civil jurisdiction in this behalf at Nangal and only the said courts shall have jurisdiction to entertain and try such action(s) and / or proceeding (s) to the exclusion of all other courts.

1.35.0 Conciliation & Arbitration:

(i) For Indian parties

Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or breach thereof shall be resolved amicably through negotiations by the parties. A "Notice of Dispute" shall be given by the party seeking resolution of a dispute to the other party. If the dispute is not resolved within Thirty (30) days from the notice, the dispute shall be referred to arbitration as per the procedure mentioned herein below:

A written notice shall be given by the contractor invoking arbitration to National Fertilizers Limited through Designated Authority (CMD / Functional Directors/ Unit Head), which may be specified as per contract value (Ref : CO Legal circular no. NFL/CO/Law/979 dated 2-3-2020)

Where the claim including determination of interest, if any, being claimed upto the date of commencement of arbitration does not exceed Rs. Five crore, the reference shall be made to a sole arbitrator. The parties shall mutually agree on the name of sole arbitrator. In case of disagreement upon the name of the sole arbitrator, the appointment of Sole Arbitrator shall be done in accordance with the provisions of Arbitration & Conciliation Act, 1996.

Where the claim including determination of interest, if any, being claimed upto the date of commencement of arbitration exceed Rs. Five crore, the reference shall be made to arbitral tribunal consisting of three arbitrators. Each party shall nominate one arbitrator each within 30 days from the date of receipt of notice of invocation of arbitration and two nominated arbitrators shall appoint the presiding arbitrator within 30 days thereafter. If a party to the dispute refuses or neglects to nominate an arbitrator on its behalf within the period specified, or the two arbitrators fails to nominate Presiding arbitrator, appointment of Arbitrator(s) shall be done in accordance with the provisions of Arbitration & Conciliation Act, 1996.

The Arbitration proceedings shall be governed by the Arbitration & Conciliation Act, 1996 and any further statutory modification or re-enactment thereof and the rules made thereunder.

It is agreed by and between the parties that in case a reference is made to the Arbitrator for the purpose of resolving the disputes/ differences arising out of the contract by and between the parties hereto, the Arbitrator shall not award interest on the awarded amount more than the rate of SBI PLR / Base Rate applicable to NFL on date of award of contract.

The Seat and venue of Arbitration shall be at Nangal.

The cost of the proceedings shall be equally borne by the parties, unless otherwise directed by the arbitral tribunal. The decision of the arbitral tribunal shall be final and binding on all parties.

(ii) Arbitration for Foreign vendors / parties:

Any dispute arising out of or in connection with this contract, including any question regarding its existence, validity or termination, shall be referred to and finally resolved by Arbitration administered by the Singapore International Arbitration Centre ("SIAC") in accordance with the Arbitration rules of Singapore International Arbitration Centre ("SIAC Rules") for the time being in force, which rules are deemed to be incorporated by reference in this clause.

The Seat and venue of Arbitration shall be at New Delhi, India.

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

The language of the Arbitration shall be English.

This contract/LOI/NIT shall be governed by and construed in accordance with the Laws of India.

(iii) Arbitration for CPSES and Government Department:

In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs) / Port Trusts inter se and also between CPSEs and Government Departments / Organizations (other than those related to taxation), such disputes or differences shall be taken by either party for resolution through AMRCD as mentioned in DPE OM No. 4(1)/2013- DPE(GM)/FTS-1835 dated 22-05-2018.

1.36.0 Contractor to remove unsuitable employees:

The contractor shall on instruction of the Engineer-in-charge immediately remove from the work any person employed thereon who may misbehave or cause any nuisance or otherwise, in the opinion of the Engineer-in-charge is not a fit person to be retained on the work and such person shall not be again employed or allowed on the works without the prior written permission of the Engineer-in-charge.

1.37.0 Safety Regulation:

The contractor shall observe and abide by all fire and Safety regulations of the NFL. Before starting maintenance work, the Contractor shall consult NFL's Safety Officer or the Engineer-in-charge. If the Safety Engineer is not available, he will do familiarize him with such regulations, copies of which will be furnished to him by NFL, when requested. He shall be responsible for and must make good to the satisfaction of the NFL any loss or damage due to fire to any portion of the work to be done under this agreement or to any of the NFL's existing property. All the accidents to contractor's staff will be reported to the Safety Officer promptly.

This will however not relieve the contractor of any statutory obligation. The contractor shall not undertake any hot job without safety work permit. He has to maintain First Aid Box in his office. Also necessary safety equipment like Helmets, Hand Gloves, Face Shield, Safety Belt etc are to be provided to his workmen by the contractor. However special Safety equipment required as per the job requirement will be provided by NFL free of cost.

For any default / accident / loss due to negligence of Contractor/ workers, the liability of Contractor shall be "Absolute liability".

1.38.0 Contractor to execute Agreement:

The contractor's responsibility under this contract will commence from date of issue of the Letter of Intent. The Tender Documents, other documents exchanged between the Tenderer and NFL, the letter of acceptance and work order shall constitute to the contract. The successful Tenderer shall be required to execute an agreement on a non-judicial stamp paper of Rs. 100/- with NFL within 15 days (Fifteen days) of receipt by him of the Letter of Intent. The agreement to be executed will be in Agreement Form specified by NFL. The cost of the Stamp Papers will be borne by the contractor. Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between the parties.

1.39.0 **Bidder to acquaint himself fully**

The Bidder may visit the site and shall acquaint himself fully and thoroughly with the conditions and limitations including scope, requirements and official/statutory regulations, under which,

conforming to which and subject to which, services/work are to be performed by him. Failure to comply with the aforesaid requirements will not relieve the BIDDER of his obligations in the event of his tender being accepted nor will any claim whatsoever be entertained on the plea of ignorance or overlooking.

The Bidder shall give an undertaking that the terms and conditions of NIT and other aforesaid conditions are acceptable to him without reservations and no deviations to NIT have been taken while making the offer.

Unless otherwise specifically stated in his bid, it will be assumed that all terms and conditions of NIT are accepted by the bidder without any reservations whatsoever.

1.40.0 Payment for preparation of bid document

The Bidder shall not be entitled to claim any cost, charges, expenses, losses incidental to the preparation and submission of this tender in any case.

1.41.0 **Termination of Contract:**

Notwithstanding anything elsewhere herein provided and in addition to any other right or remedy of NFL under the Contract or otherwise including right of NFL for compensation for delay the Engineer-in- charge/officer-in-charge may, without prejudice to his right against Contractor in respect of any delay, bad workmanship or otherwise or to any claims for damage in respect of any breaches of the Contract and without prejudice to any rights or remedies under any of the provisions of this Contract or otherwise and whether the date for completion has or has not elapsed by intimation in writing, absolutely, determine the Contract:

Default or failure by Contractor of any of his obligations under the Contract including but not limited to the following, the Contract is liable to be terminated after written notice if the Contractor:

- I. Becomes bankrupt or insolvent or goes into liquidation or is ordered to be wound up or has a receiver appointed on its assets or execution or distress is levied upon all or substantially all of its assets.
- II. Abandons the work
- III. Persistently disregards the instructions of the Company in contravention of any provision of the contract.
- IV. Persistently fails to adhere to the agreed program of work.
- V. Sublets the work in whole or in part thereof without Company's consent in writing.
- VI. Performance is not satisfactory or work is abnormally delayed.
- VII. Defaults in the performance of any material undertaking under this contract and fails to correct such default to the reasonable satisfaction of the Company within fifteen days after written notice of such default is provided to the Contractor.
- VIII. Conceals any material information or submit any false document or information furnished by the contractor regarding past experience and or contents of any document etc. are found false.

(1) **Consequences of Termination**

If the contract is terminated by NFL for the reasons detailed under clause no. 1.41.1 of General Terms and Conditions due to default of the contractor:

- I) NFL reserves the right to get the work completed at the risk and cost of the Contractor and to recover from the Contractor any amount by which the cost of completing the work by any other agency exceeds the value of the contract plus 25% towards administrative cost, without prejudice to any other remedies/rights/claims etc. that may be available with NFL.
- II) Security Deposit/Performance Bank Guarantee Bond submitted by the Contractor shall stand forfeited.
- III) The Contractor shall have no right to claim any compensation for any loss sustained by him by reason of his having entered into any commitment or made any advance on account of or with a view to the execution of the works, or on account of expected profits.
- IV) All the dues payable to the Contractor for the work executed by him before and up to termination shall only be released after making adjustments for the expenses, charges, damages and expected losses etc. incurred by NFL as a consequence of the termination of the contract.
- V) Apart from above NFL reserves the right to delist/ blacklist the contractor from the approved list of pre-qualified parties or debar from participating in tendering process of NFL in all units / offices as per NFL's rules & regulations.

(2) Foreclosure:

If at any point of time, after the acceptance of the tender, the Company decides to abandon or reduce the scope of the contract work or to terminate the contract due to any reason including force majeure, regulations or ordinance of any government or for any reasons whatsoever, the Officer in Charge shall give notice in writing, to that effect to the Contractor and the Contractor shall have no claims to any payment, on account of compensation or on account of profit advantage, that he would have derived by way of execution of work, but could not do so, because of foreclosure.

Such foreclosure will be by 15 (fifteen) days' notice in writing and no claim / compensation shall be payable by the owner as a result of such termination, excepting the fees and costs for the meaningful services rendered by the contractor and acceptable to owner up to the date of termination.

1.42.0 **Rights of owner**

A unilateral stoppage of work by the Contractor shall be considered a breach of the contract and the owner reserves its right to take necessary and suitable action as it may deem fit, to adequately protect his/its interest; at the risk and cost of the contractor. Any aforesaid action shall be without prejudice to any other action, rights and remedies etc. that may also be available.

In the event the Contractor fails to fulfil his obligations under the contract, the owner shall have the right to get the work done by any other agency/own resources at the risk and cost of the Contractor.

1.43.0 **Time Extension**

If the Contractor requires any extension of time for completing the work under the contract, contractor must apply to the owner within seven days from the date of the occurrence of the event on

account of which he desires such extensions and the owner may, if he thinks such request reasonable, grant such extension of time as he may think necessary.

The extension of completion date shall also be subject to the right of NFL to claim a reduction in prices on account of reduction in statutory duties / taxes etc. which may take place during the extended period of completion.

However, increase in prices during extended completion period on account of increase in statutory duties/taxes etc. admissible under this work order/contract may be considered only if extension is due to delay on the part of NFL.

Any extension of time given under the provisions of this clause shall be without prejudice to other conditions of Contract and will not absolve the Contractor from the obligations of other clauses under the Contract. The Contractor shall not be entitled to increase in prices or for any compensation whatsoever on account of the extension of time allowed.

Where a Bank Guarantee has been furnished by the Contractor in pursuance of clause (by way of Security Deposit), the Contractor shall immediately arrange to extend the validity of the Bank Guarantee at his cost to adequately cover the extended period of time for completion of work granted under this clause. In addition the contractor shall ensure that the Labour license,

Insurance policy are renewed from time to time at his cost during the extended period of contract till the completion of the project.

1.44.0 **Continued Performance**

The Contractor shall not stop work in case of any dispute pending before arbitrator/court/Tribunal in relation to the contract or otherwise unless further progress of works has been rendered impossible due to non-fulfilment of any reciprocal promise. Unilateral stoppage of work by the Contractor shall be considered a breach of contract and the owner shall be within its rights to take suitable and necessary action as it may deem fit to adequately protect its own interests.

1.45.0 Intellectual Property Right

The Contractor shall fully indemnify NFL and all agents, servants and employees of the Company against any action, claim or proceeding relating to infringement or the use of any patent, trademark or design in respect of any article or part thereof included in the Contract. In the event of any claims being made or action being brought against the Company or any agent, or servant, or employee of the Company in respect of any of the matters aforesaid, the Contractor shall be notified thereof for taking necessary action at his cost.

1.46.0 Contractor's Obligations (w.r.t. personnel deployed and labor related compliance):

- a) The contractor shall be governed by and shall comply with the provisions of various applicable labour laws like
- (1) Contract Labour (Regulation & Abolition) Act 1970,
- (2) Payment of Wages Act 1936,
- (3) Employers Liability Act 1938,
- (4) Employment of Children Act 1938,
- (5) Industrial Disputes Act, 1947,
- (6) Factories Act, 1948,
- (7) Minimum Wages Act 1948,

- (8) Employees' Compensation Act 1923,
- (9) Employees' State Insurance Act 1948, / the workmen's compensation Act 1923
- (10) Employee Provident Fund & Misc. Provisions Act 1952,
- (11) Maternity Benefit Act 1961,
- (12) Payment of Bonus Act 1965,
- (13) Payment of Gratuity Act 1971,
- (14) Equal Remuneration Act 1976,
- (15) The Punjab Labour Welfare Fund Act, 1965,
- (16) Child Labour (Prohibition & Regulation.) Act, 1986,
- (17) Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act 1996 (BOCW) along with BOCW Welfare Cess Act 1996.
- (18) The contractor shall be required to possess a valid license for engaging labour from state labour department.
- (19) or any modifications thereof or any other law/ Code (s) relating thereto and rules made thereunder by the State / Central Govt. from time to time (The above acts are only illustrative and not exhaustive.)
- b) The contractor shall comply with all applicable Central, State statutes/ labour laws/codes/schemes including all other applicable statutory rules and regulations in force relating to the contract and keep NFL indemnified in respect thereof. The contractor shall, to the extent, he is liable, comply with & give all intimation/ notices required under any Government Authority, instrument, rule or order made under any Act of Parliament, State laws or any regulations or bye-laws of any local authority relating to the contract. The Contractor shall, to the extent that he is liable to pay, indemnify NFL against any liability in respect of any fee/ charges/ fines/ penalty payable under any Act of Parliament, State Laws or any Govt. instrument, rule or order or enactment, any regulations, bye-laws of any local authority in respect of the contract awarded. In case of any violations, omissions, commissions, the consequence/s, if any, including the cost thereto shall be exclusively borne by the contractor and NFL shall have no liability whatsoever on this account.
- c) In case the contractor selected for award of contract does not have a PF code, He shall be required to obtain the same. The contractor shall timely apply and obtain requisite labour licenses & other requisite registrations/ licenses/ clearances from the concerned Authorities and submit a certified stamped copy of the same. Contractor shall ensure its uninterrupted continuity throughout the period of contract/ applicability.
- d) The Contractor shall depute only physically and medically fit 'adult' persons against the contract i.e. persons below the age of 18 years shall not be allowed to be engaged for execution of work. The contractor may employ such persons as He may think fit and the persons so employed shall be employees of contractor for all purposes and shall not be deemed to be in the employment of NFL for any purpose whatsoever.
- e) The Contractor shall pay wages directly to the persons employed by him under the Contract, within the stipulated period i.e. by 7th of the following month, by direct credit in his/her bank account through NEFT/RTGS or by way of cheque. The wage rates should not be less than the stipulated minimum wage rates notified by Appropriate Government from time to time with respect to the work performed/ rendered, without any discrimination on grounds of caste/ creed/ religion/ gender. Contractor shall also enrol/cover all eligible/ entitled personnel under EPF, EPS, EDLI, ESI, Labour Welfare Fund, & all the other applicable statutory Acts/ Codes/

schemes and ensure deduction & deposition of the requisite contributions – employee's as well as employer's - for the same with the concerned Authorities/ departments within the due date (i.e. 15th of the following month in case of deposition under EPF & Misc. Provisions Act and by 21st of the following month in case of depositions under ESI Act).

- f) The Contractor is also required to discharge all other statutory obligations including timely submission of reports, returns to concerned Authorities and maintain updated registers and records in prescribed proforma under all the various applicable statutes/ Labour Laws/Code(s) including the rules made thereunder enacted and/or amended by the Appropriate Government from time to time.
- g) The contractor shall on monthly basis submit a certified stamped copy of wage sheet besides documentary evidence in support of wage payment, deduction & deposition of EPF, ESI, Labour Welfare. The contractor shall also submit a certified stamped copy w.r.t. any other payment made/ benefit extended by him towards fulfilment of his statutory obligations under applicable statutes and/or his contractual obligations towards NFL. Submission of these and other requisite documents/ records and proper maintenance and production of the same as when requisitioned by Authorities/ NFL has to be ensured for smooth clearance/ settlement of bills/payments.
- h) Contractor shall follow prescribed safety regulations & procedures and shall adhere with safe work practices.

1.47.0 Specifications and Drawings:

- (1) Adherence to Specifications and Drawings: The whole of the works shall be executed in conformity with the specifications and drawings of the contract. If Contractor performs any works in a manner contrary to the specifications or drawings or any of them and without such reference to the Engineer, he shall bear all the costs arising or ensuing therefrom and shall be responsible for any loss to NFL.
- (2) Drawings and Specifications of the Works: The Contractor shall keep one copy of Drawings and Specifications at the site, in good order, and such contract documents as may be necessary, available to the Engineer or the Engineer's Representative.
- (3) Ownership of Drawings and Specifications: All Drawings and Specifications and copies thereof furnished by the NFL to the Contractor are deemed to be the property of NFL. They shall not be used on other works and with the exception of the signed contract set, shall be returned by the Contractor to the NFL on completion of the work or termination of the Contract.

1.48.0 Signing of "No Claim" Certificate:

The Contractor shall not be entitled to make any claim whatsoever against NFL under or by virtue of or arising out of this contract, nor shall NFL entertain or consider any such claim, if made by the Contractor, after he shall have signed a "No Claim" Certificate in favour of the NFL in such form as shall be required by NFL after the works are finally measured up. The Contractor shall be debarred from disputing the correctness of the items covered by "No Claim" Certificate or demanding a clearance to arbitration in respect thereof.

1.49.0 No contract or understanding in any way modifying the conditions of contract shall be binding upon either parties hereto unless made in writing and approved by both parties.

1.50.0 **Indemnification**:

The contractor shall have to furnish Indemnity Bond (as per format enclosed as Annexure-XVIII) for value of Rs.....towards the material being sent for repair (This Clause shall be applicable for repair of materials).

1.51.0 The contract shall be governed by and construed in accordance with the Laws of India.

1.52.0 Integrity Pact:

In case of contract valuing Rs 1 crore and above, the Bidder(s) / Contractor(s) is required to enter into an "Integrity Pact" with the Principal i.e. NFL. The integrity Pact has to be signed by the Proprietor / Owner/ Partner/ Director or by their duly Authorised Signatory. In case of failure to return the Integrity Pact along with the offer/ bid, duly signed by the authority as mentioned above, will disqualify the offer/ bid.

1.53.0 Submission of Monthly Bills :

The contractor shall submit the running monthly bills within 1st week of the following month to the executing department for verification and recommendations. After the completion of the entire job including clearance of the site to the entire satisfaction of the Engineer-in-charge, final bill shall be submitted for verifications by Engineer-in charge.

In case the contractor fails to submit the bill by the last day of the following month, a penalty of 1% of the billed amount for every month of delay or part thereof subject to minimum of Rs.1000.00 Plus GST as applicable shall be recovered from the bill.

1.54.0 **Provident Fund:**

The provision of EPF & MP Act, 1952 and Rules scheme there under shall be applicable to the contractor and the employees engaged by contractor for the WORK. The contractor shall furnish the PF code allotment Letter issued by the RPFC Authority, before commencing the WORK. The Contract Labour employed by the Contractor in connection with the work of the Company are eligible for membership of Employees Provident Fund/ Employees' Pension Scheme. Contract Labour shall be eligible and required to become a member of the Provident Fund / EPS from the date of joining. The Contractor's worker shall subscribe to the fund a sum equivalent to 12% or as applicable of the wages including Dearness Allowance rounded to the next to a Rupee. The Contractor shall also contribute a sum equal to the total of each such compulsory subscription every month plus allied charges like EDLI & administrative charges etc.

The Contractor must submit a statement in duplicate to Executing Deptt & HR Department showing the details of worker's wages paid for the month/deductions made from the wages on account of PF and EPS separately and deposit such deductions along-with equal subscription by the contractor by 10th of the subsequent month along-with the proportionate administration/ inspection charges as per PF rules and shall submit Proof of the same in the prescribed formats.

Provident Fund Number:

- i) Contractor should have his own PF Account Number and shall be responsible to deposit the PF contribution in respect of workmen engaged by him.
- ii) Contractor shall indicate PF Account Number allotted to each worker engaged by him in the monthly wage bill and will ensure its accuracy and correctness.

- iii) Contractor shall submit Annual Return in respect of all the workmen engaged by them with concerned RPF authorities with copy to Executing Deptt & HR Department.
- iv) After submission of the return, the contractor shall arrange PF slips in respect of the Contribution, if issued by the RPF Authorities and will distribute to the concerned workers after intimation to the Executing Department and to Executing Deptt & HR Department.
- v) After closure of the contract or in case of change of the employer (contractor), the outgoing contractor and present contractor shall ensure submission of Form-13A, for transfer of PF contribution from old account to the new account.
- vi) Employees Provident Fund Organization (EPFO) has launched online receipt of Electronic Challan cum Return (ECR). Contractor(s) are required to be registered and create their user ID and password and can upload the Electronic Return and the uploaded return data will be displayed through a digitally signed copy in PDF format. It will be available for printing also. The contractor(s) may choose to make the payment through internet banking of SBI or take a print out of the Challan and pay at any designated branch of State Bank of India (SBI). Copy of the said challan is to be submitted to Executing Deptt & HR Department for issuance of Certificate of Compliance (COC).

1.55.0 Employee State Insurance (ESI)

The contractor shall enforce the provisions of ESI Act and Scheme framed there under with regard to all his employees involved in the performance of the contract and shall deduct employee's contribution from the wages of each of the employees and shall deposit the same together with employer's contribution of such total wages payable to the employees in the appropriate account.

The contractor shall at all times indemnify the owner against any claim which may be made under the ESI Act 1948 or any statutory modifications thereof or otherwise for or in respect of any damage or compensation payable in consequence of any accident or injury sustained by any workman or other person whether in the employment of the contractor or not.

In every case in which by virtue of provision of ESI Act 1948 or any other Law for the time being enforce, NFL is obliged to pay compensation to a Workmen employed by the Contractor for the execution of the work, NFL will recover the amount of the compensation so paid from the Contractor's bill.

- a) The contractor will be solely responsible for any liability for his workers in respect of any accident, injury etc. arising out of and in the course of Contractor's employment. For this purpose he shall obtain ESI Registration Number from Appropriate Authorities and deposit both Employer's as well as employees' share of ESI contribution each month with ESI Authorities and also make necessary compliance of the provisions of the Act. The Contractor shall be responsible for recovery of employees share of ESI contribution from the concerned Contract Labour and NFL will not bear any liability whatsoever on this account. Further, he will also indemnify NFL against any damages/interest that may be imposed by ESI Authorities on account of non-payment/delayed payments towards ESI.
- b) The Contractor shall ensure that contribution on account of ESI is deposited by due date of month and he will be required to furnish photocopy of ESI challan every month by 21st of the month following the month to which it relates. For this purpose, every month the contractor shall submit to NFL a copy of wages sheet as a proof of wages paid to the staff, challan regarding depositing of ESI amount etc. for perusal of officer in charge and will also submit quarterly/periodically

statements of ESI etc. as required under various labour laws in respect of staff engaged in execution of jobs. Contractor will also submit half yearly return of ESI.

- c) Every Contractor should have his own ESI Account Code Number from the ESI Authorities. It shall be the responsibility of the contractor to deposit the ESI contribution every month at the rates applicable from time to time. Presently the rates effective from 01-07-2019 is 4% of the monthly wage bill, (Employers Contribution @ 3.25% & Employees Contribution @ 0.75 %), under intimation to executing deptt & HR Deptt.
- **d**) The contractor having ESI code other than Punjab/Himachal Pradesh should obtain ESI sub code of Punjab for the purpose of compliance in respect of deposit of ESI contributions of workers engaged by the contractor for execution of their contract work in NFL, Nangal.
- e) It shall be responsibility of the Contractor to ensure Registration within 10 days and issue of ESI cards to the workmen engaged by him, for availing medical facilities by the beneficiaries.
- **f**) It shall be responsibility of the Contractor to submit ESI Return to the statutory authorities under intimation to executing Deptt & HR Deptt.
- **g**) The contractor shall be solely responsible for any liability for his workers in respect of any accident / injury etc. arising out of and in course of contractor's employment.

1.56.0 **Payment of Minimum Wages:**

The Contractor shall be required to pay minimum rates of wages to his contract workers as fixed and revised by the Appropriate Authority i.e. Central Government/State Government as applicable from time to time under the Minimum Wages Act, 1948. The wages of the workers are to be paid by the contractor in accordance with the rates of wages as notified by Central Govt./State Govt. whichever is higher from time to time.

The Contractor shall pay wages, within the stipulated period, to the persons employed by him under the Contract, wages at rates not less than the stipulated minimum wages in accordance with the notification issued by Appropriate Government from time to time with respect to the work performed/ rendered, without any distinction of caste/ creed/ religion/ gender and also ensure to deduct and deposit the applicable contributions - employee as well as employer w.r.t EPF, ESI, and other applicable contributions with the concerned Authorities/ department within the due date. Clearance / settlement of RA bills/ payments of the contractor will be subject to submission of documentary evidence w.r.t. the statutory compliances to the satisfaction of the NFL.

1.57.0 Wages:

Wages shall be paid by the Contractor to the workman directly without the intervention of any Jamadars or Thekedars and contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by Jamadars from the wages of workman.

The contractor shall pay all the wages only by cheque or by crediting the wages in his/her bank account through NEFT/RTGS.

1.58.0 If at any time, it is noticed or it comes to the knowledge that the payment to the labour employed by the contractor is not made in accordance with the Minimum Wages Act, NFL shall reserve the right to take remedial action to regulate the payment.

In case the contractor fails to make payment of wages within the prescribed period or makes short payment, then in terms of Section 21 (4) of CLRA Act, NFL shall make payment of wages in full or the unpaid balance due, as the case may be, to the contract labour employed by the contractor and

recover the amount so paid from the contractor either by deduction from any amount payable to the contractor under any contract or as a debt payable by the contractor. Besides, 10% of the amount so paid by NFL shall be deducted / recovered towards departmental charges from the bills/amount payable to Contractors.

- 1.59.0 The Company will not be responsible for any injury sustained by the workers of the Contractor during the performance of the above contract, any damage, compensation due to any dispute between the Contract and his workers. All liabilities arising out of any provision of Labour Acts / Enactments hereto in force shall be the responsibility of the Contractor. Any other expenditure incurred by NFL to face the situation arising out of the negligence of the Contractor will be recovered from his dues payable by NFL under the Contract.
- 1.60.0 The contractor shall comply with all Central, State laws and rules relating to the contract. The contractor shall, to the extent he is liable, comply with & give all notices required under any Government Authority, instrument, rule or order made under any Act of Parliament, State laws or any regulations or bye-laws of any local authority relating to the contract. The Contractor shall, to the extent that he is liable to pay and indemnify NFL against any liability in respect of any fee/ charges/ fines/ penalty payable under any Act of Parliament, State Laws or any Govt. instrument, rule or order or enactment, any regulations, bye-laws of any local authority in respect of the contract awarded.

1.61.0 Labour Welfare Fund:

The contractor shall be solely responsible for depositing the welfare fund contribution (employees as well employer's share) at the prescribed rates under the Punjab Labour Welfare Fund Act 1965 in respect of employees engaged by him. The contractor shall recover the employee's share of contribution from the concerned employees and NFL shall not bear any liability whatsoever on this account. The contractor shall ensure that the contribution on account of Welfare Fund contribution is deposited online. Any interest/penalty on account of delayed/non-payment shall be borne by him. Further, the compliance of all the necessary formalities required to be completed under the Act from time to time shall be responsibility of the contractor. The proof of deposit of Labour welfare fund to executing Deptt & HR Deptt

1.62.0 The contractor may employ such employees/ labours as he may think fit and the employees so employed should be employees of contractor for all purposes whatsoever and shall not be deemed to be in the employment of NFL for any purpose whatsoever. The contractor shall abide by all rules, laws and regulations that may be in force from time to time regarding the employment or conditions of service of the employees. If under any circumstances whatsoever, NFL is held responsible in any manner whatsoever for the default or omission on the part of the Contractor in abiding by the aforesaid rules, regulations and laws or held liable or responsible to the employees of the contractor in respect of any matter whatsoever and called upon to make payments on that account, NFL shall be reimbursed by the contractor for the same as also any other expenses costs and charges incurred by NFL in any proceeding or litigation arising out of any claim, demand or act on the part of the employees of the contractor, NFL shall be entitled to claim, demand or compensation from the contractor in that event. NFL shall also be entitled to recover the aforesaid amount from the Contractor that may become due and payable to Contractor.

1.63.0 Labour License

The Contractor shall comply with the provisions of Contract Labour (Regulation & Abolition) Act, 1970 and rules framed there under as amended from time to time. The contractor shall obtain Labour License, if applicable, from the appropriate Licensing Authorities i.e. Central/State Government under the Contract Labour (R&A) Act, 1970 & Contract Labour (R&A) Central Rules, 1971 and

submit a copy of the same to NFL, Nangal before start of execution of contract work. The bidder should submit an undertaking under Annexure-IV.

- 1.64.0 It is understood by the contractor that in the event of any losses /damages caused to the owner (NFL) due to the reasons whatsoever within his control and the same losses/damages are approved, the contractor has to make good all the consequential damages/losses to the owner without any protest and demur. The damages/losses shall be apart from other claim damages to which the owner is entitled under the contractor or in the course of Law.
- 1.65.0 Contract shall also indemnify NFL for any loss, damage suffered by NFL due to any default or action or inaction or commission or omission or failure on the part of contractor / his workers or any person of the contractor's company
- 1.66.0 The contract shall ensure that all formalities .permission licenses required be completing / complying under existing laws of India and amendments thereof time to time for and in connection with contract including engagement / employment of labourers

1.67.0 **MSMED Act:**

- i. The Procurement Policy for Micro and Small Enterprises, 2012 has been notified by the Government in exercise of the powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act, 2006. Details of the policy are available on the MSME website. This policy is also applicable to procurement of Services.
- ii. Micro and Small Enterprises (MSE) must, along with their offer, provide proof of their being registered as MSE (indicating the terminal validity date of their registration) for the item tendered, with any agency mentioned in the notification of the Ministry of Micro, Small and Medium Enterprises

The Benefits of the Public Procurement Policy for MSEs Order, 2012 on MSMED Act 2006 shall not be applicable on Works Contracts.

Annexure-XI

PROFORMA FOR PROPRIETORSHIP

(An Affidavit in original on the stamp paper of Rs. 50 duly attested by notary)

I, _____ S/o Sh. _____ resident of _____ do hereby solemnly affirm and declare as under:

That on ______ (date of start of business) I the deponent has started business under the name and style of Proprietorship as a sole proprietor and at present M/s ______ is a sole proprietorship firm.

That my above declarations are true and correct in case, my above declaration found incorrect, in that event, my bid / tender/contract may be rejected and NFL shall be fully competent to take the necessary action as deemed fit.

DEPONENT

VERIFICATION

Verified that the above contents of my affidavit are true and correct to the best of my knowledge and belief and nothing has been concealed therein.

DEPONENT

Place _____ Date: _____

Annexure-XIX-B

INSTRUCTIONS TO BIDDERS (ITB) on GeM Portal

Mode of Tendering:

- 1.0 National Fertilizers Limited, Naya Nangal Unit intends to Line up contract "Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities" at NFL Nangal. by inviting Bids through GeM portal under Two part bid system.
- 2.0 In the GeM process, Offers are required to be submitted electronically in place of offers in 'Hard Copy under Sealed Envelope' as is being done conventionally. Tender Submission, Tender Closing and Opening activities will be done electronically and online.
- 3.0 The NIT will be posted on GeM Portal <u>https://gem.gov.in</u> from where Bidders will be able to download the tender documents free of cost for participation in the tender and submit their bids online.
- 4.0 Bidders shall visit the URL i.e. <u>https://gem.gov.in</u> for downloading of tender documents, bid preparation, bid submission etc. .
- 5.0 No oral, email, telephone, telegraphic tenders or tenders submitted in hard copies/physical form will be entertained.
- 6.0 For queries regarding GeM process, you may contact GeM helpdesk. Contact details are as under: Name & Address of the Consignee/Unit: Dy. General Manager (TS & Projects) National Fertilizers Limited, Nangal Unit, Naya Nangal-140 126, Dist: Rupnagar (Punjab)
- 7.0 This NIT/Enquiry is also available on our Company's Website <u>https://www.nationalfertilizers.com</u> for reference purposes. However, tenders will be submitted online on our E-Tender Portal <u>https://gem.gov.in</u> only. Basis of Contract Finalization:
- 8.0 The contract shall be finalized on <u>**'L-1'**</u> basis among the technically eligible tenderers. In case of Multiple L-1 bidders, final bidder will be selected through GeM Run L-1 feature.
- 9.0 NFL's Right in this tender:
 - 9.01 NFL reserves the right to negotiate with the lowest bidder at its sole option. In such case, the negotiations shall be held with the lowest bidder only at NFL Nangal and prior intimation shall be given by NFL to such bidder
 - 9.02 NFL reserves the right to reject or accept any tender without giving any reason.

NFL Nangal CIN No. – L74899DLI974GOI007417

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

Annexure-XX

(on a non-judicial stamp paper of Rs. 100.00)

CONTRACT AGREEMENT

THIS CONTRACT made on this ______ day of ______ 202_ at ______ Place) BETWEEN NATIONAL FERTILIZERS LIMITED (NFL), a Public Sector Undertaking (PSU) under the Administrative Control of Department of Fertilizers, Ministry of Chemicals & Fertilizers having its Registered Office at SCOPE Complex, Core-III, 7, Institutional Area, Lodhi Road, New Delhi-110003 and its Unit/ Office at

_____ (hereinafter referred to as the "Owner", which expression shall be deemed to include its successors and assigns) through its authorized representative of the one Part.

AND

M/s_____(carrying on business in sole-proprietor/ partnership/ company etc.,) having its office/ registered office at ______ (hereinafter referred to as "Contractor", which expression shall be deemed to include his/its representatives/successors and permitted assigns) through its authorized representative of the other Part.

WHEREAS the Owner is desirous of executing certain works as mentioned and described in the Work Order/ Letter of Intent No._____ dated _____ for total Contract value of Rs. _____(Rs. _____Only) and whereas the Contractor has agreed to execute the work as specified in the Tender Documents and Work Order/ Letter of Intent referred to above and also in the contract documents.

NOW THEREFORE THIS CONTRACT WITNESSTH AS FOLLOWS:

ARTICLE – I

1.0 CONTRACT DOCUMENTS

1.1 The following documents shall constitute the contract documents namely: -

- a) This Contract
- b) Tender Document/NIT
- c) Work Order No. _____dated _____
- d) Letter of Intent / Notification of Award No. _____ dated _____
- e) Contractor Quotation/bid dated _____.
- f) Owner's Tender Document/ NIT No._____ dated _____
- g) Amendment/ Addendum/ Corrigendum dated _____(If any) to Tender Document/NIT.
- h) Owner's Letter/email dated _____ (If any).
- i) Contractor's Letter/email dated _____ (If any).
- 1.2 A copy each of the above documents (a) to (h) are annexed hereto and the said copies have been collectively marked Annexure-I.

ARTICLE –2

2.0 SCOPE OF WORK

2.1 In consideration of the payment to be made to the Contractor as hereinafter provided, he shall with due care, promptness, accuracy and workmanship execute the work in accordance with approved plans, Notice Inviting Tender (NIT), Special Conditions of the Contract, General Terms & Conditions of the Contract, Technical Specifications and the Work Order/ Letter of Intent.

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

ARTICLE-3

3.0 TERM

3.1 The Contract work shall be duly executed and completed in all aspect and handed over to National Fertilizers Ltd. within a period of _____months/year w.e.f. _____to____. The time mentioned herein shall be essence of the contract.

ARTICLE-4

4.0 TERMINATION OF CONTRACT

4.1 Notwithstanding anything elsewhere herein provided and in addition to any other right or remedy of NFL under the Contract or otherwise including right of NFL for compensation for delay the Engineer-in-charge/officer-in-charge may, without prejudice to his right against Consultant in respect of any delay, bad workmanship or otherwise or to any claims for damage in respect of any breaches of the Contract and without prejudice to any rights or remedies under any of the provisions of this Contract or otherwise and whether the date for completion has or has not elapsed by intimation in writing, absolutely, determine the Contract:

Default or failure by Contract of any of his obligations under the Contract including but not limited to the following, the Contract is liable to be terminated if the Consultant becomes bankrupt or insolvent or goes into liquidation or is ordered to be wound up or has a receiver appointed on its assets or execution or distress is levied upon all or substantially all of its assets.

-Abandons the work

Or

-Persistently disregards the instructions of the Owner in contravention of any provision of the Contract

Or

-Persistently fails to adhere to the agreed program of work

Or

-Sublets the work in whole or in part thereof without Owner consent in writing

Or

-Performance is not satisfactory or work is abnormally delayed

Or

-Defaults in the performance of any material undertaking under this Contract and fails to correct such default to the reasonable satisfaction of the Owner within fifteen days after written notice of such default is provided to the Contractor

Or

- Conceals or submit any false document or information furnished by the contractor regarding past experience and or contents of any document etc. are found false.

4.2 Owner may terminate the Contract due to any reason including reasons due to force majeure, regulations or ordinance of any Government or any other reasons beyond the reasonable control of the Owner.

Such termination will be by 15 (fifteen) days' notice in writing and no claim/compensation shall be payable by the Owner as a result of such termination, excepting the fees and costs for the meaningful services rendered by the Contractor and acceptable to Owner up to the date of termination.

4.3 CONSEQUENCES OF TERMINATION

If the contract is terminated by NFL for the reasons detailed under clause no. 4.1 of above or for any other reason whatsoever:

- i. NFL reserves the right to get the work completed at the risk and cost of the Contractor and to recover from the Contractor any amount by which the cost of completing the work by any other agency exceeds the value of the contract, without prejudice to any other remedies/rights/claims etc. that may be available with NFL.
- ii. Security Deposit/Performance Bank Guarantee Bond submitted by the Contractor shall stand forfeited.
- iii. The Contractor shall have no right to claim any compensation for any loss sustained by him by reason of his having entered into any commitment or made any advance on account of or with a view to the execution of the works, or on account of expected profits.
- iv. All the dues payable to the Contractor for the work executed by him before and up to termination shall only be released after making adjustments for the expenses, charges, damages and expected losses etc. incurred by NFL as a consequence of the termination of the contract.
- v. Apart from above NFL reserves the right to delist/ black
- vi. list the contractor from the approved list of pre-qualified parties or debar from participating in tendering process of NFL in all units / offices as per NFL's rules & regulations.

ARTICLE-5

5.1 FORCE MAJEURE CLAUSE (FMC)

The terms and conditions agreed upon under the contract shall be subject to Force Majeure. Neither the contractor nor NFL shall be considered in default in the performance of their obligation contained therein, if such performance is prevented or delayed or restricted or interfered with by reason of War, Hostilities, Acts of Public Enemy, Civil Commotion, Strike, Lockouts, Epidemics/Pandemics, Accidents, Fires, Explosions, Flood, Earthquake, regulation or ordinance or requirement of any Government or any sub-division thereof or authority or representative of any such Govt., and/or due to technical snag/reasons or any other Act whatsoever, whether similar or dissimilar to those enumerated beyond the reasonable control of the parties hereto or because of any act of GOD. The party so affected, upon giving prompt notice to other party of such conditions and cause thereof from within 15(Fifteen) days of occurrence of such event, shall be excused from such performance to the extent of such prevention, delay, restriction or interference for the period it persists provided that the party so affected shall use its best efforts to avoid or remove such causes of non- performance if possible and shall continue performance hereunder with the utmost dispatch whenever such causes are removed.

If the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 90(Ninety) days, either party may at its option terminate the contract by giving notice to the other party.

For delays arising out of Force Majeure neither NFL nor the Contractor shall be liable to pay extra costs or to make good any losses incurred consequent to the happening of any of the event, provided it is mutually established that Force Majeure condition did actually exist.

ARTICLE-6

6.1 INDEMNITY BY CONTRACTOR

The Contractor shall indemnify and save harmless Owner from and against all actions, suit, proceedings, losses, costs, damages, charges, claims and demands of every nature and description brought or recovered against the Owner by reason of any act or omission of the Contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable

compensation to be applied to the actual loss or damage sustained, and whether or not directly or indirectly any damage shall have been sustained.

ARTICLE-7

7.1 ENTIRE CONTRACT

The contract documents mentioned in Article-I hereof embody the entire contract between the parties hereto and the parties declare that in entering this contract, they do not rely upon any previous representation whether express or implied and whether written or oral or any inducement, understanding or agreement of any kind not included within the contract documents and all prior negotiations, representations contract and/or agreements and understanding are hereby cancelled.

ARTICLE-8

8.0 NOTICE

- 8.1 Subject to any provisions in the contract documents to the contrary, any notice, order of communication sought to be served by the Contractor on the Owner with reference to the contract shall be deemed to have been sufficiently served upon the Owner (notwithstanding any enabling provisions under any law to the contrary) only, if delivered by Hand or by Registered Post/ Speed Post or email to the Officer/Engineer-In-Charge as defined in the General Terms and Conditions of the contract.
- 8.2 Without prejudice to another mode of service provided for in the contract documents or otherwise available to the Owner, any notice, order or other communication sought to be served by the Owner on the Contractor with reference to the contract shall be deemed to have been sufficiently served upon the Contractor if delivered by Hand or through Registered Post/Speed Post or email to the Contractor at his specified address at_____.

ARTICLE-9

9.0 WAIVER

9.1 No failure or delay by the Owner in enforcing any right or remedy of the Owner in terms of contract or any obligation or liability of the Contractor in terms thereof shall be deemed to be a waiver of such right, remedy, obligation or liability, as the case may be, by the Owner or notwithstanding such failure or delay, the Owner shall be entitled at any time to enforce such right remedy, obligation or liabilities as the case may be.

ARTICLE-10

- 10.0 NON-ASSIGNABILITY
- 10.1 The contract and benefits and obligations thereof shall be strictly personal to the Contractor and shall not on any account be assignable or transferable by the Contractor, except without written prior permission of Owner.

ARTICLE-11

11.1 DISPUTE RESOLUTION

For Indian Parties

"Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be resolved amicably though negotiations by the Parties. A "Notice of Dispute" shall be given by the party seeking resolution of a dispute to other party. If the dispute is not resolved within Thirty

(30) days from the notice, the dispute shall be referred to arbitration as per the procedure mentioned herein below:

A written notice shall be given by the contractor invoking arbitration to National Fertilizers Limited through Designated Authority (as mentioned in General Terms and Conditions).

Where the claim including determination of interest, if any, being claimed upto the date of commencement of arbitration does not exceed Rs. Five crore, the reference shall be made to a sole arbitrator. The parties shall mutually agree on the name of sole arbitrator. In case of disagreement upon the name of the sole arbitrator, the appointment of Sole Arbitrator shall be done in accordance with the provisions of Arbitration & Conciliation Act, 1996.

Where the claim including determination of interest, if any, being claimed, upto the date of commencement of arbitration exceeds Rs. Five crore, the reference shall be made to arbitral tribunal consisting of three arbitrators. Each party shall nominate one arbitrator each within 30 days from the date of receipt of notice of invocation of arbitration and two nominated arbitrators shall appoint the presiding arbitrator within 30 days thereafter. If a Party to the dispute refuses or neglects to nominate an arbitrator on its behalf within the period specified, or the two arbitrators fails to nominate Presiding arbitrator, appointment of Arbitrator(s) shall be done in accordance with the provisions of Arbitration & Conciliation Act, 1996.

The Arbitration proceeding shall be governed by the Arbitration & Conciliation Act, 1996 and any further statutory modification or re-enactment thereof and the rules made thereunder.

It is agreed by and between the parties that in case a reference is made to the Arbitrator for the purpose of resolving the disputes/differences arising out of the contract by and between the parties hereto, the Arbitrator shall not award interest on the awarded amount more than the rate SBI PLR/Base Rate applicable to NFL on date of award of contract.

The seat and venue of arbitration shall be Nangal.

The cost of the proceedings shall be equally borne by the parties, unless otherwise directed by the arbitral tribunal. The decision of the arbitral tribunal shall be final and binding on all parties."

11.2 For Foreign Parties

"Any dispute arising out of or in connection with this contract, including any question regarding its existence, validity or termination, shall be referred to and finally resolved by arbitration administered by the Singapore International Arbitration Centre ("SIAC") in accordance with the Arbitration Rules of the Singapore International Arbitration Centre ("SIAC Rules") for the time being in force, which rules are deemed to be incorporated by reference in this clause.

The seat and venue of the arbitration shall be at New Delhi, India.

The language of the arbitration shall be English.

This Contract/LOI/NIT shall be governed by and construed in accordance with the Laws of India."

11.3 For CPSEs and Government Department

In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations (Other than those related to taxation), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No. 4(1)/2013-DPE(GM)/FTS-1835 dated 22-05-2018.

ARTICLE-12

Name of Signatory_____

Address

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

12.0 JURISDICTION

Notwithstanding any other Court or Courts having Jurisdiction to decide the question(s) forming the subject matter of the reference, if the same had been the subject matter of a suit, any and all actions and proceedings arising out of or relative to the contract (including any arbitration in terms thereof) shall lie only in the court of Competent Civil Jurisdiction in this behalf at Nangal (where this contract has been signed on behalf of the Owner) and only the said Court(s) shall have jurisdiction to entertain and try such action(s) and/or proceeding(s) to the exclusion of all other Courts.

IN WITNESS WHEREOF the parties hereto have duly executed this Contract in duplicate at the place, day and year first above written.

| SIGNED & DELIVERED SIGNED & DELIVE | | |
|---|----------------------|--|
| For and on behalf of | For and on behalf of | |
| National Fertilizers Ltd, | contractor | |
| (Owner) | (With Rubber Stamp) | |
| (With Rubber Stamp) | | |
| Date: | Date: | |
| Place: | Place: | |
| In the Presence of: In the Presence of: | | |
| Witness Witness | | |
| 1. | 1. | |
| Signature | Signature | |
| Name of Signatory | Name of Signatory | |
| Address | Address | |
| 2. | 2. | |
| Signature | Signature | |

Name of Signatory_____

Address_____

Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

Annexure-XXII

NO CLAIM CERTIFICATE

Sub: Contract Agreement no. ______ dated_____ for the Work of ______

We have received the sum of Rs. _____ (Rupees _____

______ only) in full and final settlement of all the payments due to us under the above mentioned contract agreement, between us and National Fertilizers Limited (NFL). We hereby unconditionally, and without any reservation whatsoever, certify that with this payment, we shall have no claim whatsoever, of any description, on any account, against NFL, against aforesaid contract agreement executed by us. We further declare unequivocally, that with this payment, we have received all the amounts payable to us, and have no dispute of any description whatsoever, regarding the amounts worked out as payable to us and received by us, and that we shall continue to be bound by the terms and conditions of the contract agreement, as regards performance of the contract.

Your's faithfully,

Signatures of Contractor or officer authorized to sign the contract documents On behalf of the contractor (Company stamp)

Date: Place: Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

Annexure-XXIII

CISF GATE PASS CLEARANCE

Certified that M/s.______ have deposited gate passes issued against work order No. ______ dated ______ for _____

(Name of the work). All gate passes have been deposited by the contractor. Nothing is outstanding against this party as far as this work order is concerned.

Seal & Signature of the CISF Authority

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16

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

ATTACHMENT -I

THE GAZETTE OF INDIA : EXTRAORDINARY

[PART III-SEC. 4]

(ii) सभी आंकड़ा मॉनिटरी युतियां सही काम करने जी दत्ता में है और व्यासमापन किया जा चुका है या प्रधिकृत अनुमोदित अनेकरणों द्वारा प्रमाणित है और ऐसी युतियों में कोई छेड़छाड़ नहीं की गई है । (iii) सभी युक्तियुक्त व्यतिसम व्याता, खरिखाड और रांचेतना पूर्वक ऊर्जा संप्ररीक्षा रिपोर्ट तैयार की गई है और उसकी अर्न्तगत तथ्यों को सही प्रशिनिधित्व करती है ।

(iv) सिफारिशों के क्रियान्वयन के पश्चात निम्न प्रण्लयों लगे कार्मिकों को उचित प्रशिक्षण दिया गया हो ।
 (v) ऊर्जा संपरीक्षा ऊर्जा दशता ब्यूरो (ऊर्जा संपरीक्षा करने के लिए रीति और समय अंतराल) विनियम
 2010 के अनुसार में की गई है

इस्ताक्षर प्रत्यायित ऊर्जा संपरीक्षक का नाम प्रत्यायित व्यौरे मुहर अजय माथुर, महानिदेशक

[विज्ञापन 1]1/4/185/10-असा.]

BUREAU OF ENERGY EFFICIENCY

NOTIFICATION

New Delhi, the 28th April, 2010

No. 02/11(6)/05-BEE.— Whereas certain draft regulations namely, the Bureau of Energy Efficiency (the manner and intervals of time for conduct of energy audit) Regulations, 2009,were published vide Bureau of Energy Efficiency notification number 02/11(6)/05, dated the 22nd December, 2009 in the Gazette of India, Extraordinary, Part III, Section 4, dated the 26th December, 2009 as required under sub-section (1) of Section 58 of the Energy Conservation Act, 2001 (52 of 2001) inviting objections and suggestions from all persons likely to be affected thereby within forty five days from the date of publication of the said notification in the Gazette.

And whereas the said draft regulations were published in the official Gazette on the 26th December, 2009.

And whereas no objection or suggestion has been received in respect of the said araft regulations within the specified period.

Now, therefore, in exercise of the powers conferred by clause (g) of sub-section (2) of section 58, read with clause (q) of sub-section (2) of section 13 of the said Act, the Bureau of Energy Efficiency with the previous approval of the Central Government, hereby makes the following regulations, namely:-

1. Short title and commencement- (1) These regulations may be called the Bureau of Energy Efficiency (Manner and Intervals of Time for Conduct of Energy Audit) Regulations, 2010

(2) They shall come into force on the date of their publication in the Official Gazette.

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2 Definitions. - (1) In these regulations, unless the context otherwise requires,-

- (a) "Act" means the Energy Conservation Act, 2001; .
- (b) "energy audit report" means the report of energy audit submitted under regulation 3 and signed by the accredited energy auditor;
- (c) "Form" means a form appended to these regulations;.
- (d) "specific energy consumption" means the average of energy consumed per unit of product or product—mix for the completed financial year.

(2) Words and expressions used herein and not defined but defined in the Act shall have the meanings respectively assigned to them in the Act.

3. Intervals of time for conduct of energy audit.-(1) Every designated consumer shall have its first energy audit conducted, by an accredited energy auditor within 18 months of the notification issued by the Central Government under clause (i) of section 14 of the Act.

(2) The interval of time for conduct and completion of subsequent energy audits shall be three years with effect from the date of submission of the previous energy audit report by the accredited energy auditor to the management of the designated consumer.

4. Manner of energy audit.- Every energy audit under the Act shall be conducted in the following manner:-

(1) Verification of data of energy use.- The accredited energy auditor shall -

- (a) verify the information submitted to the designated agency under the Energy Conservation (the form and manner for submission of report on the status of energy consumption by the designated consumers) Rules, 2007 for the previous two years through examination of energy bills, production data, inspection of energy-using equipment, production-processes, and systems, spot measurements, discussion or interview with the officers and staff regarding operation of plants, energy management procedures, equipment maintenance problems, equipment reliability, projected equipment needs, improvements undertaken or planned, establish validated data on annual energy consumption and prepare a report in Form 1 for the year preceding to the year for which energy audit report shall be prepared and submitted;
- (b) establish specific energy consumption for the year referred to in clause (a);
- (c) disaggregate the energy consumption data and identify major energy using equipment, processes and systems.

(2) Scope of energy audit.-The accredited energy auditor jointly with the energy manager of the designated consumer shall-

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

| (a) develop a scope of work for the denduct of energy audit required under the Adjavilla a view to examing adequate coverage in terms of dag descrete of total energy, use that is covered in the energy audit. (b) select energy intensive equipment or processes for energy auditing; (c) agree on best practice procedures on measuring the energy efficiency performance and energy savings; (d) collect energy, performance and energy savings; (e) collect energy, performance and energy savings; (f) collect energy, performance and energy saving; (f) collect energy audit, so that is considered by product? If applicable: and such other, historical data as may be considered essential, by the accredited, energy auditor for achieving the purpose of energy audit. (f) Monitoring and analysis of use of energy data for energy audit. The socredited energy auditor shalt. (g) verify the accuracy of the data collected in consultation with the energy manager; haptointed the designated by the designated to the 2.5°. March;2007, as per standard, practice to assess the validity of the datas collected. (g) is advestion of energy endice. (g) is consistency of designated, consumers in terms of the collected data. (g) economistency of designated, consumption and improve therapy of relative of relative energy consumption and improve the data with respect to: (g) bridited equipment energy performance measurements with due difference. (g) is commendations to reduce? (g) summery overview of energy consumption in plant or the stabilishment by fuel type and by section. (g) bridited equipment energy performance measures, their cost context to proceed of the designated consumer in therease of the overille differency of the product | under the Activity a yiew to ensuring adequate occurate in themergy audit. (b) select shere of total energy use that is covered in the energy auditing; (c) agree on best practice procedures on measuring the energy efficiency performance and energy savings; (d) collect energy, performance and energy savings; (e) collect energy, performance and energy savings; (d) collect energy, performance and energy savings; (e) collect energy, performance and energy savings; (e) collect energy, performance and energy savings; (e) collect energy, performance and energy savings; (f) collect energy, performance and energy savings; (e) collect energy approximation is subable of operation, non proprietary process flow charts, production level disaggregated by profition? If approximates and such other historical data as may be considered essential, by the accuracy of the hot historical data as may be considered energy auditor shall. (a) Monitoring and analysis of use of energy data for energy audit. The socredited energy auditor shall. (a) verify the accuracy of the data collected in consultation with the energy manager, appointed the designated by the designated consumer in terms of the notification number S.O. 318(E), dated the 2^{rs} March.2007, as per standard, practice to assess the validity of the data collected. (b) recommendations to reduce energy consumption and improve energy efficiency. (ii) summary overview of energy consumption in plant or establishment by fuel type and by section: (c) boriduct equipment energy performance and energy saving measures, their cost on energy saving regard to the overall efficiency of the production process, techno-economic viability of energy consumption in plant or establishment by fuel type and by section: (d) recommendations on energy saving measures, their cost confitions process, techno-economic viability of energy saving regards of th | <u>18</u> | THE GAZETTE OF INDIA EXTRAORDINARY [PArt UI-Sec. |
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| (b) telept-energy intensive equipment or processes for energy auditing; (c) agree on best practice procedures on measuring the energy efficiency performance and energy savings; (d) collect energy, consumption, and production data for the equipment and processes povered within the scope of energy audit, expension data, and schedule of operation, non proprietany process flow chars, production level disaggregated by product, applicable, and auditing; audit, expension data, of the heat process flow chars, production level disaggregated by product, applicable, and such other historical data as may be considered essessible, by the accredited energy audit. (3) Monitoring and analysis of use of energy data for energy audit. The accredited energy audit or shall. (a) verify the accuracy of the data collected in consultation with the energy mainager; appointed ver designated by the designated consumer in terms of the notification number S. 0.318(E), dated the 2²⁵⁴ March;2007, as per standard practice to assess the validity of the data collected. (b) if adaysement process the data with respect to- (c) consistency of designated, consumption and improve designated by the designated compared to the collected data; (d) recommendations to reduce energy consumption and improve designations to reduce energy audit or distabilishment by fuel type and by section; (d) Preparation of recommendations on energy saving measures, their cost beenfit analysis. The accredited energy auditor having regard to the overall efficiency of the potential notifies a saving measures, site conditions and eccentric denergy auditor having regard to the avail efficiency of the production process, techno-economic viability of energy saving measures, site conditions an energy saving measures, site conditions and eccentric denergy auditor having regard to the site shall include. (4) Preparation of recommendations on energy saving measures, site conditions and eccentri | (b) select-energy intensive equipment or processes for energy additing; (c) agree on best practice procedutes on measuring the energy efficiency before and energy savings; (d) collect energy, ponsumption, and production data for the equipment and processes bovered within the scope of energy product? If applicates and such other historical data as may be considered essential, by the accredited energy additor for echieving the purpose of energy addit. (d) Monitoring and analysis of use of energy data for energy audit. The scoredited energy audit or shall. (a) world the accuracy of the data collected in consultation with the energy manager; appointed the data collected is assess the validity of the data collected. (b) verify the accuracy of designated, consumers in terms of the notification number S.O.318(E), dated the 2^{rs}-March,2007, as per standard, practice to assess the validity of the data collected. (b) recommendations to reduce data. (c) consistency of designated, consumption and improve energy efficiency: (d) consistency of designated data. (e) recommendations to reduce data. (f) recommendations to reduce energy consumption and improve energy efficiency: (f) summary overview of energy consumption in plant or establishment by fuel type and by section. (c) briduct equipment energy performance measures, their cost conditions and caution. (f) recommendations on energy saving measures, their cost conditions and caution of the overall efficiency of the signated to the coveral efficiency of the production provide energy addition there is a production provide the data collected data. (f) recommendations to reduce measures with due differency of the data collected to the overall efficiency of the data could. | 15.00 | under the Act with a view to ensuring adequate coverage in terms of the searce of total energy use that is covered in the energy audit; |
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| (4) Preparation of recommendations on energy saving measures, their cost benefit analysisThe accredited energy auditor having regard to the overall efficiency of the production process, techno-economic viability of energy saving measures, site conditions and capacity of the designated consumer to invest for their implementation, shall prepare a list of recommendations to save energy and the tist shall include- (a) a brief description of each recommended measure; (b) the estimated energy saving as well as energy cost reduction potential over a reasonable technical or economic life of the measure; | diligence and caution. (4) Preparation of recommendations on energy saving measures, their cost penefit analysisThe accredited energy auditor having regard to the overall efficiency of the production process, techno-economic viability of energy saving measures, site conditions and capacity of the designated consumer to invest for their implementation, shall prepare a list of recommendations to save energy and the list shall include- (a) a brief description of each recommended measure; (b) the estimated energy saving as well as energy cost reduction potential over a reasonable technical or economic life of the measure; | | (iii) summary overview of energy consumption in plant or establishment by fuel type and by section; |
| benefit analysisThe accredited energy auditor having regard to the overall efficiency of the production process, techno-economic viability of energy saving measures, site conditions and capacity of the designated consumer to invest for their implementation, shall prepare a fist of recommendations to save energy and the tist shall include- (a) a brief description of each recommended measure; (b) the estimated energy saving as well as energy cost reduction potential over a reasonable technical or economic life of the measure; | benefit analysisThe accredited energy auditor having regard to the overall efficiency of the production process, techno-economic viability of energy saving measures, site conditions and capacity of the designated consumer to invest for their implementation, shall prepare a first of recommendations to save energy and the tist shall include- (a) a brief description of each recommended measure; (b) the estimated energy saving as well as energy cost reduction potential over a reasonable technical or economic life of the measure; | (ċ)' | conduct equipment energy performance measurements with due diligence and caution. |
| (a) a brief description of each recommended measure; (b) the estimated energy saving as well as energy cost reduction potential over a reasonable technical or economic life of the measure; | (a) a brief description of each recommended measure; (b) the estimated energy saving as well as energy cost reduction potential over a reasonable technical or economic life of the measure; | benefit analysisThe the production proce conditions and capac | accredited energy auditor having regard to the overall efficiency of ess, techno-economic viability of energy saving measures, site sity of the designated consumer to invest for their implementation, recommendations to save energy and the list shall include- |
| | | | a brief description of each recommended measure; the estimated energy saving as well as energy cost reduction potential over a reasonable technical or economic life of the |
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Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

| [भाग ।।। —खण्ड 4] | . भारत का राजपत्र : असाधारण् |
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| | (c) any known or expected technical risk associated with each |
| "protin at Catha | measure; 7/1/2 more in the second and the second an |
| | (d) a preliminary assessment of financial attractiveness of each |
| | measure or assessment of maximum investment feasible based |
| | on the estimated energy cost saving potential over the life of the |
| ر باد کار و معر و و زور | measure; |
| | (a) take interd eventses, of recommandations listed as ther their |
| an as annsa , | (e) tabulated summary of recommendations listed as per their |
| and the state of the | implementation schedule (short, medium and long term); |
| салан ала с 1927. | (f) where different alternatives for implementation of an energy |
| | officiency measure are systephic the accredited energy sudifor |
| eren a ser e la com | shall examine and discuss such options and recommend the |
| 100 TO | techno_tinancially better option |
| | (g) where the installation or implementation of any recommended |
| | energy saving measure affects procedures for operation and |
| | maintenance, staff deployment and the budget, the |
| 121 824 | recommendation shall include discussion of such impacts |
| | including their solutions. |

Prioritization and preparation of action plan.- (1) The accredited energy auditor 5. jointly with the energy manager shall select from the energy audit report such recommended measures as are included in sub-regulation (4) of regulation 4 which in the opinion of the designated consumer are technically viable, financially attractive and within its financial means, prioritize them and prepare plan of action for their implementation and this action plan shall includeand a group of

| | | (a) | preparation | of | detailed | techno-economic | analysis | of | selected |
|----|----|-----------------------|-------------|----|----------|-----------------|----------|----|----------|
| 25 | 86 | i en en externe arres | measures; | | and a | techno-economic | | 5. | |

(b) a monitoring and verification protocol to quantify on annual basis the impact of each measure with respect to energy conservation and cost reduction for reporting to Bureau and the concerned State designated agency; (c) a time schedule agreed upon by the designated consumer of

selected measures taking into consideration constraints such as availability of finance and availability of proposed equipment.

The accredited energy auditor based on the activities undertaken under (2)sub-regulation (4) of regulation 4 and regulation 5 shall submit a report in Form 2 to the management of the designated consumer.

The accredited energy auditor shall evaluate the implementation of each (3)recommended energy saving measure in the previous audit report and submit a report in Form 3 to the management of the designated consumer.

Structure of the energy audit report -(1) The energy audit report structure shall 6. be jointly decided by the accredited energy auditor and designated consumer.

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Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

THE GAZETTE OF INDIA : EXTRAORDINARY

[PART III-SEC. 4]

(2) The energy audit report shall highlight, details of specific energy consumption, list of recommendations to reduce energy consumption and costs, monitoring and evaluation of impact of selected measures and conclude with certification by accredited energy auditor stating that -

(a) the data collection has been carried out diligently and truthfully;

- (b) all data monitoring devices are in good working condition and have been calibrated or certified by approved or authorised agencies and no tempering of such devices have occurred;
- (c) all reasonable professional skill, care and diligence have been taken in preparing the energy audit report and the contents thereof are a true representation of the facts;
- (d) adequate training provided to personnel involved in daily operations after implementation of recommendations; and
- (e) the energy audit has been carried out in accordance with these regulations,

and the format for the preparation of energy audit report is given in Form 4 for guidance.

(3) The accredited energy auditor shall highlight the strengths and weaknesses of the designated consumer in the management of energy and energy resources in the energy audit report and recommend necessary action to improve upon method of reporting data, energy management system in detail along with their underlying rationale, and improving energy efficiency and reducing energy consumption in the designated consumer.

(4) The accredited energy auditor shall sign the energy audit report under the seal of its firm giving all the accreditation details along with details of manpower employed in conducting the energy audit.

(5) The energy audit report shall include a work schedule sheet duly signed by accredited energy auditor and energy manager of the designated consumer.

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Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

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| | | Sector Sector | 0.000 | | |
| | 28 | Form 1 | | 20.1 | 35 C |

20 - 20 20 - 20 Details of validated data on energy consumed and specific energy consumption per unit of production [See regulation 4(1)(a)and (b)]

| 1 | Name of the Unit | | | 0 | 10 10 11 | A 48 89 |
|-------|--|------------------------------|------------------------------|-----------------------------|--|-----------------------------|
| 2 | The "sector in which unit fa | la (Refer An | nexure-() | | - 11 12 12 | <u> </u> |
| 3 (a) | Complete address of Ur Chief Executive's name mobile telephone, fax numb | and design | | | π. T | |
| (b) | Year of establishment | · | | | - <u>2</u> | <u> </u> |
| 4 | Registered office address numbers and e-mail | s with tele | phone, fax | | 1.50 10 | |
| 5 | Name, designation, address fax numbers and e-mail of e | s, mobile, tek nergy mana | ephone, ger | | - 200 - 202 - 105-01 | 6 - 38 |
| 6 | Production and capacity u | tilisation de | stalle . | 3 | 5 10 | |
| Year | Main products | Units (Please specify) | installed capacity (A) | Actual production (b) | % Capacity utilisation (b/a) x 100 | Specific energy consumption |
| | Product 1 Product 2 Other products | | | <u>ao</u> 10 | | |
| 20-20 | | | | 18992 D) - 170 | | |

| 100 | | Year 20 - 20 |
|-------|---|---------------------------------------|
| 7.0 | Energy consumption and cost | |
| 7.1 | Electricity consumption and cost | |
| (A) | Purchased electricity | ia des datas de tes |
| (1) | Units (Miltions kWh/year) | |
| (N) | Total cost (Rs. Millions/year) | |
| (iii) | Plant connected load (kW) | 42 2 Detri De de Maren |
| (iv) | Contract demand (kVA) with utility | |
| (v) | Connected load (kW) | |
| 8) | Own generation | and an and a second and an |
| (#) | Through diesel generating sets | |
| (1) | Annual generation (Millions KWh/ year) | 17 5 cr anis (11) |
| (ii) | Total cost (Rs. Million/ year) | |
| (lii) | Fuel used (HSD/LDO/LSHS/LSFO (Refer Annexure-2) | |
| (iv) | Gross calorific value (kCal/kg) | |
| (v) | Annual fuel consumption (tonne) | |
| (vi) | Total annual fuel cost (Rs. Million) | 1200 |
8 部

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| 5 1990) | 1 234 | Year 20 - 20 |
|------------|--|--|
| (b) | Through steam turbine/ generator | |
| (i) | Annual generation (Millions KWh/ year) | and the s |
| (ii) | Fuel used state which type of fuel was used (C=ccel, B=biomass, E=electricity). If coal was used, state which grade i.e., C/I=imported or C/F=Ccal of grade F | • |
| (¢) | Through gas turbine | |
| (1) | Annual generation (Millions kWh/ year) | |
| (II) | Fuel used (state which type of fuel was used Netural Gas (NG), Piped Natural Gas (PNG), Compressed Natural Gas (CNG), Naphtha) | |
| (iii) | Gross calorific value (kCal/SCM) | |
| (iv) | Annual fuel consumption (SCM) | ······································ |
| (v) | Total annual fuel cost (Rs. Million) | |
| (C) | Total generation of electricity (Millione kWh/ year) 7.1 (8) [a(i)+b(i)+c(i)] | |
| (D) | Electricity supplied to the grid/ others (specify (Millions KWh/ year) | and data Antana data data data data data data data |
| (E) | Total Electricity consumed (Millions kWh/year) 7.1 [A(I) + C-D] | |
| 7.2 | Fuel consumption and % cost for process heating | |
| (A) | Cosi | 1 |
| (1) | Grosa calorific value (kCal/kg) | |
| (1) | Quantity purchased (tonne/ year) | |
| (iii) | Quantity used for power generation (tonne/year) | |
| (iv) | Quantity used as raw material, if any (tonne/year) | and the set of all the |
| · (V) | Quantity used for process heating (tonne/year) | · · · · · · · · · · · · · · · · · · · |
| (vi) | Total coal cost for process (Rs. Million/year) | i and |
| (8) | Lignite | |
| (†) · | Gross calonific value (kCal/kg) | |
| (ii) | Quantity purchased (tonne/year) | |
| (iii) | Quantity used for power generation (tonnes/year) | |
| | | the second se |
| (iv) | Quantity used as raw material, if any (tonne/year) | 2438 (1997) 1997 By (1996) 49 (1996) 1 |
| (v) | Quantity used for process heating (tonne/year) | And the second |
| (vi) | Total lignite cost for process (Rs. Million/year) | |

| | | Year 20 - 20 |
|---------|--|---|
| (C) | Bio mass Other purchased solid fuels (please specify) bagasse, rice husk, etc. | ji; (4340) |
| (1) · · | Average moisture content as fired (%) | High Steed Description |
| (#) | Average gross calorific value as fired (kcal/kg) | |
| (18) | Quantity purchased (tonneryear) | <u>i den de la company</u> de la companya |
| . (iv) | Quantity used as raw material, if any (tonne/year) | Mour of the second state of the |
| (v) | Quantity used for process heating (tonne/ year) | |
| (vi) | Total bagasse cost for process (Rs: Mittion/year) | terre en terre de la companya de la |
| 7.3 | Liquid | |
| (A) | Fumece Oli(F.O.) | |
| 0 | Gross calorific value (kCal/kg) | |
| (ii) | Quantity purchased (kL/ year) | |
| (iii) | Quantity used for power generation (kL/ year) | |
| (iv) | Quantity used as raw material, if any (kL/ year) | and the second |
| (v) | Quantity used for process heating (kL/ year) | ten ette att attantione |
| (vi) | Total F.O. cost for process heating (Rs. Million/year) | and a second s |
| (8) | Low Sulphur Heavy Stock (LSHS) | |
| (i) ' | Gross calorific value (kCal/kg) | t find at an 2 |
| (ii) | Quantity purchased (tonne/year) | and the second |
| (iii) | Quantity used for power generation (tonne/year) | |
| . (iv.) | Quantity used as raw meterial, if any (torine/year) | and the second sec |
| (V) | Quantity used for process heating (tonne/year) | |
| (vi) | Total LSHS Cost for process heating (Rs. Million/year) | |
| (C) | High Sulphur Heavy Stock (HSHS) | an an an ann an an an an an an an an an |
| (1) | Gross calorific value (kCal/kg) | |
| (ii) | Quantity purchased (tonnes/year) | 16 |
| (iii) | Quantity used for power generation (tonne/year) | |
| (iv) | Quantity used as raw material, if any (tonne/year) | |
| (v) | Quantity used for process heating (tonne/year) | |
| (vi) | Total HSHS cost for process heating (Rs. Million/year) | |

| | THE GAZETTE OF INDIA : EXTR | |
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| and ²³ | | Year 20 - 20 |
| (D) | | 2000 B |
| (4) | High Speed Diesel (HSD) | |
| (1) | Gross calorific value (kCal/kg) | |
| (ii) | Quantity purchased (kL/year) | - |
| (6) | Quantity used for power generation (tonne/year) | |
| (iv) | Quantity used as raw material, if any (kUyear) | |
| (v) | Quantity used for process heating (kL/year) | |
| (vi) | Total HSD cost for process heating (Rs. Million/year) | and and and |
| (b) | Light Diesei Oil (LDO) | |
| (i) | Gross calorific value (kCal/kg) | |
| (ii) | Quantity purchased (kL/year) | |
| (Hi) | Quantity used for power generation (kL/year) | |
| (iv) | Quantity used as rew material, if any (kL/year) | |
| (v) | Quantity used for process heating (kL/year) | |
| (vi) | Total LDO cost for process heating (Rs. Million/year) | |
| TA | Gas | n. |
| (A) | Compressed Natural Gas (CNG) | |
| () | Gross calorific value (kCal/SCM) (Refer Annexure 2) | |
| (ii) | Quantity purchased (million SCM/year) | |
| (Ni) | Quantity used for power generation (million SCM/year) | |
| (iv) | Quantity used as raw material, if any (million SCM/year) | <u> </u> |
| (v) | Quantity used for process heating (million SCM/year) | |
| (W) | Total cost of natural gas for process heating (Rs. Million/year) | |
| (B) | Liquefied Petroleum Gas (LPG) | |
| (i) | Gross calorific value (kCal/SCM) | |
| (H) | Quantity purchased (million SCM/year) | |
| (iii) | Quantity used for power generation (million SCM/year) | |
| (iv) | Quantity used as raw material, if any (million SCM/year) | |
| (V), | Quantity used for process heating million SCM/year | |
| (vi) | Total cost of LPG for process heating (Rs. Million/year) | |

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| | 1 | Year 20 - 20 |
|-------|---|---------------------------------------|
| C) | Gas generated as by product/ waste in the plant and used as fuel | |
| ()) . | Name | |
| (li) | Gross calorific value (kCal/SCM) | 1040 |
| (iii) | Quantity used for process heating (million SCM/year) | |
| (w) | Total cost of byproduct gas for process heating (Rs. Million/year) | |
| 7.5 | Solid weste | |
| | Solid waste generated in the plant and used as fuel | |
| (i) | Name | |
| (ii) | Gross calorific value (kCal/kg) | |
| (iii) | Quantity used for process heating (tonne/year) | |
| (iv) | Total cost of solid waste for process heating (Rs. Million/year) | |
| 7.6 | Liquid waste | |
| (A) | Liquid effluent/ waste generated in the plant and used as fuel | |
| (i) | Name | * |
| (ii) | Gross calorific value (kCal/kg) | · · · · · · · · · · · · · · · · · · · |
| (iii) | Quantity used for process heating (tonne/year) | |
| (iv) | Total cost of liquid effluent for process heating (Rs, Million/year) | |
| 7.7 | Others · | |
| (i) | Name | |
| (ii) | Average gross calorific value (kCal/kg) | |
| (iii) | Quantity used for power generation (tonnes/year) | |
| (iv) | Quantity used for process heat (tonnes/year) | |
| (v) | Annual cost of the others source | |

Signature Name of the energy manager, Name of the company

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Full address Seal

Signature

Name of the accredited energy auditor Accreditation details Seal

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Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.



Aluminum, cement, chemicals, chlor-alkali, fertilizers, gas crackers, iron and steel, naphtha crackers, pulp and paper, petrochemicals, petroleum rafineries, sugar, textile.

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Annexure 2 - Nomenciature

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| High Speed Diesal | |
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| | |
| | |
| | - · - |
| Coal | - |
| Biomass | 4 |
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| | 10200 D |
| the second se | |
| Natural Oca | |
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| | 31 |
| | |
| and the second | 112 |
| Kilo Litre | ी हरे। |
| Tea (10) lakh | 5. |
| | Light Diesel Off Low Sulphur Heavy Stock Low Sulphur Furnece Oil Coal Biomass Electricity Coal Imported Indian Coal grade F Natural Gas |



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| Signature Signature Seal |
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Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

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Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

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नेशनल फर्टिलाइजर्स लिमिटेड, नया नंगल-140126 (भारत सरकार का उपक्रम)

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| | bgories of areas of improvement and or obtaining details of anargy savings | | | 16 | | | 33 | | 2 | 2 | ying Equipment (e.g. Furnaces, Heaters, Kitns, | 5 | Equipment | | | | | Other Non-equipment Measures (e.g., Plant Operation/ Scheduling, Tart Schedul | leaf for process heat of power generation | vers, pumps, mauang auot aystems | | | |
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| 58 ⁶⁸ | | owiedgement | а 14 14 | 85. | . in .; | oto 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 19 | |
| 50) | (4) Exec | utive summary | | 92 (2) | _N 8 | N 19 10 | 62 |
| | | Company's pro | file | | 18 18 18 | 8 N 845 | ¥1 |
| | 1013 | - Goals and obje | ctives of the er | nergy manag | ement prog | ramme | a |
| 1 42 | | | | 2.2 | | | |
| 26 | 89 15. 9 | 13220 | allenge and go | Sre (833) | pcoming ye | ar. | |
| Ηŝ | | - Major ch | | als for the u | | ar, | 80 80 |
| 26 | 29 12 12 12 | - Major ch | allenge and go tivities to meet | als for the u challenges | | ar. | a a 21 |
| 20 20 | 19 15 9 1211 | - Major ch - Major ac | allenge and go tivities to meet classification of | eals for the u challenges energy | and goal | ar. | 81 81 81 81 81 |
| 8 8 8 | 29 1878 29 20 20 20 20 20 20 20 20 20 20 20 20 20 | - Major ch - Major ac - Summary and c | allenge and go tivities to meet classification of | eals for the u challenges energy | and goal | ar, | 100 67 68 81 |
| 10 29 20 | 1.0 | - Major ch - Major ac - Summary and c - Conservation m | allenge and go tivities to meet classification of xeasures — sho | als for the u challenges energy uld be in For | and goal m 2. | | |
| 20 20 21 | 1.9 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo | allenge and go tivities to meet classification of wasures — sho out the plant/ e | oals for the u challenges energy uld be in For stablishme | and goal m 2. nt | | |
| 4 2 2 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 | 1.0 | - Major ch - Major ac - Summary and c - Conservation m Introduction ab 1.1 General plan | allenge and go tivities to meet classification of beasures — sho but the plant/ e t/establishment | eals for the u challenges energy uld be in [®] For stablishme details and | and goał rm 2. nt description: | | |
| | 1.0 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo 1.1 General plan 1.2 Energy audit | allenge and go stivities to meet classification of wasures – sho but the plant/ e t/establishment team | als for the u challenges energy uld be in For stablishme t details and | and go al rm 2. nt description: | | |
| | 1.9 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo 1.1 General plant 1.2 Energy audit 1.3 Component o | allenge and go tivities to meet classification of beasures — sho but the plant/ e t/establishment team | eals for the u challenges energy uld be in For stablishme t details and ost (raw mate | and go al rm 2. nt description: | | |
| | 1.9 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo 1.1 General plan 1.2 Energy audit 1.3 Component of manpower, or | allenge and go stivities to meet classification of beasures – sho but the plant/ e t/establishment team of production co verhead, other | eals for the u challenges energy uld be in For stablishme t details and ost (raw mate | and go al rm 2. nt description: | | |
| | 1.0 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo 1.1 General plant 1.2 Energy audit 1.3 Component o | allenge and go tivities to meet classification of beasures — sho but the plant/e t/establishment team of production co verhead, other use areas | als for the u challenges energy uld be in For stablishme t details and ost (raw mate s) | and go al rm 2. nt description: | | |
| | 1.9 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo 1.1 General plan 1.2 Energy audit 1.3 Component of manpower, or | allenge and go tivities to meet classification of beasures — sho but the plant/e t/establishment team of production co verhead, other use areas | eals for the u challenges energy uld be in For stablishme t details and ost (raw mate | and go al rm 2. nt description: | | |
| 26 26 26 | 1.0 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo 1.1 General plan 1.2 Energy audit 1.3 Component of manpower, or | allenge and go tivities to meet classification of beasures — sho but the plant/e t/establishment team of production co verhead, other use areas | als for the u challenges energy uld be in For stablishme t details and ost (raw mate s) | and go al rm 2. nt description: | | |
| | 1.9 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo 1.1 General plan 1.2 Energy audit 1.3 Component of manpower, or | allenge and go tivities to meet classification of beasures — sho but the plant/e t/establishment team of production co verhead, other use areas | als for the u challenges energy uld be in For stablishme t details and ost (raw mate s) | and go al rm 2. nt description: | | |
| 26 26 26 | 1.9 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo 1.1 General plan 1.2 Energy audit 1.3 Component of manpower, or | allenge and go tivities to meet classification of beasures — sho but the plant/e t/establishment team of production co verhead, other use areas | als for the u challenges energy uld be in For stablishme t details and ost (raw mate s) | and go al rm 2. nt description: | | |
| | 1.0 | - Major ch - Major ac - Summary and c - Conservation m Introduction abo 1.1 General plan 1.2 Energy audit 1.3 Component of manpower, or | allenge and go tivities to meet classification of beasures — sho but the plant/e t/establishment team of production co verhead, other use areas | als for the u challenges energy uld be in For stablishme t details and ost (raw mate s) | and go al rm 2. nt description: | | |

| भाग —ख | ण्ड ४ भारत की राजपत्र : असाधारण | |
|-----------|--|----|
| 2.0 | Production process description | 2 |
| | 2.1 Brief description of manufacturing process | |
| | 2.2 Process flow diagram and major unit operations | 51 |
| | 2.3 Major raw material inputs, quantity and costs | |
| | | |
| 3.0 | Energy and utility system description | 13 |
| 2 | 3.1 List of utilities | |
| | 3.2 Brief description of each utility | ŝ |
| | 3.2.1 Electricity | |
| 33 | 3.2.2 Steam | |
| | 3.2.3 Water | |
| | 3.2.4 Compressed air | |
| | 3.2.5 Chilled water | |
| | 3.2.6 Cooling water | |
| | 3.2.7 Others | |
| 4.0 | Detailed process flow diagram and energy and material balance | 3 |
| | 4.1 Flow chart showing flow rate, temperature, pressures of all input- | |
| | output streams | |
| | 4.2 Water balance for entire industry | |
| | 4.3 Energy balance of the designated consumer in the tabular form | |
| | | |
| 5.0 | Performance evaluation of major utilities and process equipments/ | |
| | systems | |
| | 5.1 List of equipments and process where performance testing was done | |
| | 5.2 Results of performance testing | |
| | 刻 34 30 07 07 07 07 07 07 07 07 07 07 07 07 07 | |
| 6.0 | Energy efficiency in utility and process system | |
| | 6.1 Specific energy consumption | |
| | 6.2 Boiler efficiency assessment | |

| | THE GAZETTE OF INDIA : EXTRAORDINARY [PARTIII SRC.4] |
|----------|--|
| 27 | 6.3 Thermic fluid heater performance assessment |
| | 6.4 Furnace efficiency analysis |
| 80 | 6.5 Cooling water system performance assessment |
| | 6.6 Diesel Generator set performance assessment |
| | 6.7 Refrigerator system performance |
| | 6.8 Compressed air system performance |
| | 6.9 Electric motor load analysis |
| | 6.10 Lighting system |
| | 6.11 Others. |
| 7.0 | Evaluation of energy management system |
| | 7.1 Energy management policy |
| | 7.2 Energy management monitoring system |
| | 7.3 Bench marking |
| | 7.4 Development and establishment of procedures include energy efficiency |
| | possibilities |
| | 7.5 Training to staff responsible for operational and associated processes |
| | 7.6 General audit review |
| 20 | 7.7 Conform to Act, rules and regulations framed there under |
| | 7.8 Strength and weaknesses of the designated consumer. |
| 8.0 | Energy conservation measures and recommendations |
| | 8.1 The report shall provide existing energy profile of the designated consumer with |
| | percentage share of major equipment / processes, utilities etc., so that it |
| | becomes a basic documents for future monitoring. |
| | 8.2 Details of energy saving measures recommended in Form 2 |
| | 8.3 Cost benefit analysis of each recommended energy saving measures |
| | as per standard practice. |
| 0.tt | 8.4. The investment proposals shall be backed with technical and economic viability |
| 531 | and prioritization of energy conservation measures based on financial analysis |
| | of various options taking into account the capacity of the designated consumer |
| | to make investment in such measures. |
| <u>8</u> | 6 ²¹ 2 |

| 9298. | | 54.05 St |
|------------|--|----------------------------------|
| [भाग]]—खाण | s 4] भारते का राजपत्र : असाधारण | 33 |
| 8.5. | The energy auditor may also consider the substi | tution of existing energy use by |
| | any other form of techno-commercially viable for | m of energy. 🔹 |

8.6. Details of energy saving measures implemented, investment made and saving in energy achieved together with progress made in the implementation of the remaining energy saving measures in Form 3.

9.0 Certification

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This part shall indicate certification by accredited energy auditor stating that-

- (i) the data collection has been carried out diligently and truthfully;
- all data monitoring devices are in good working condition and have been calibrated or certified by approved agencies authorised and no tempering of such devices has occurred;
- (iii) all reasonable professional skill, care and diligence had been taken in preparing the energy audit report and the contents thereof are a true representation of the facts;
- (iv) adequate training provided to personnel involved in daily operations after implementation of recommendations; and
- the energy audit has been carried out in accordance with the Bureau of Energy Efficiency (Manner and Intervals of Time for the Conduct of Energy Audit) Regulations, 2010.

Signature Name of the accredited energy auditor Accreditation details Seal

AJAY MATHUR, Director-General

[ADVT III/4/185/10-Exty.]

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Ref. No. NFN/TS/ENERGYAUDIT/2023/1/214

Name of the work: Comprehensive Energy Audit of Ammonia Plant, Urea Plant, Boilers and offsite facilities at NFL Nangal.

ATTACHMENT -- II

Comprehensive Energy Audit of Ammonia Plant, Urea Plant, steam generation plant and offsite

facilities at NFL Nangal Unit.

Major equipment/machines identified for performance evaluation for energy efficiency, but not limited

to, are listed below:

- Primary reformer secondary reformer including waste heat recovery Section.
- Carbon Di Oxide removal section, Co shift conversion, purifier section and Purge gas recovery section
- Synthesis Gas Compressor & Ammonia Synthesis Section and Ammonia storage.
- Cooling Towers including Pumps Fans and its consumption pattern.
- Raw water pumps
- All turbine and compressors in Ammonia and Urea plant.
- All heat Exchangers.
- Efficiency of Service Boilers and Ash handling System.
- Steam Balance of Whole complex System.
- Instrument air facility.
- Analysis of Feeder wise Load factor for HT main feeders to identify equipment influencing MD kicks and also give detail analysis for the load required for peak load hours.
- Survey of transformer to assess losses.
- Analyze Total Harmonic Distortion (THD) of current and voltage f variable speed drives rated 350KW and 200 KW in Urea.
- Survey of Electric Motors over 10KV rating installed to assess plant loading, power factor etc.
- Survey of Major inductive load e.g. welding set, to identify scope areas for energy savings.
- Survey of lighting system for identifying possible improvement opportunities.
- Survey of Key electric process utilities such as pumping system, refrigeration system, compressed air system.
- Analyze THD at 66 KV Bhakra incoming power.