



नेशनल ऑटोमोटिव टेस्ट ट्रैक्स

NATIONAL AUTOMOTIVE TEST TRACKS

Tender Document

For

NATRAX- पीथमपुर, धार (मध्य प्रदेश) में पुलिया और अन्य सहायक कार्यों को बंद करने
के लिए स्ट्रक्चरल स्टील प्रदान करना और ठीक करना/
Providing and Fixing STRUCTURAL STEEL for closing Culverts and
other ancillary works

At

NATRAX

PITHAMPUR, DIST. DHAR (Madhya Pradesh)

Tender No. - NATRAX/PROC/C&I/23/53

National Automotive Test Tracks (NATRAX)/ नेशनल ऑटोमोटिव टेस्ट ट्रैक्स
(NATRAX)

A unit of National Automotive Board (NAB)/ राष्ट्रीय मोटर वाहन बोर्ड (एनएबी) की
एक इकाई

NH-52, Old Agra- Mumbai Highway/ NH-52, पुराना आगरा-मुंबई राजमार्ग,

Next to Pithampur Flyover/ पीथमपुर फ्लाईओवर के बगल में,

Post Khandwa (Near Pithampur)/ पोस्ट खंडवा (पीथमपुर के पास)

Dhar District, Madhya Pradesh-454774/ धार जिला, मध्य प्रदेश -454774

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Email: a.prabhakar@natrip.in, anuj.kumar@natrip.in



1. General Instructions:

नेशनल ऑटोमोटिव टेस्ट ट्रैक्स (NATRAX) नेशनल ऑटोमोटिव बोर्ड (NAB) के तहत एक ऑटोमोटिव टेस्टिंग एंड सर्टिफिकेशन सेंटर है, जो भारी उद्योग मंत्रालय, भारत सरकार द्वारा गठित एक स्वायत्त निकाय है। NATRAX को लगभग 3000 एकड़ भूमि पर पीथमपुर, जिला धार, (मध्य प्रदेश, भारत) के पास, सभी प्रकार के ऑटोमोबाइल के व्यापक परीक्षण और मूल्यांकन के लिए स्थापित किया गया है।/National Automotive Test Tracks (NATRAX) is an Automotive Testing & Certification Centre under National Automotive Board (NAB) which is an autonomous body constituted by Ministry of Heavy Industries, Government of India. NATRAX has been set up on approx. 3000 acres of land for comprehensive testing and evaluation of all types of automobiles, near Pithampur, Dist. Dhar, (Madhya Pradesh, India).

नेशनल ऑटोमोटिव टेस्ट ट्रैक्स (NATRAX), ऐसे योग्य और अनुभवी बोलीदाताओं से पासवर्ड संरक्षित या सीलबंद कोटेशन / बोलियां आमंत्रित करता है, जो काम करने, निष्पादित करने और कार्यान्वित करने के लिए इस दस्तावेज़ में निर्दिष्ट पात्रता मानदंड को पूरा करते हैं। तथा निर्धारित शर्तों पर कार्य करने के इच्छुक हैं। कार्यों का संक्षिप्त विवरण और एनआईक्यू/निविदा की समय-सीमा नीचे दी गई तालिका में संक्षेप में दी गई है:/ The National Automotive Test Tracks (NATRAX), invites Password Protected OR Sealed Quotations/Bids from the qualified and experience Bidder(s) who meets the specified eligibility criteria in this document in the prescribed Proforma for performing, executing and implementing the works on the terms and conditions contained in this Bid document. Brief description of works and the timelines for NIQ/tender are summarised in the table below:

कार्य का वर्णन /Description of Work	अनुबंध की अवधि / Period of Contract	निविदा के फ्लोटिंग की शुरुआत की तिथि / Date of start of floating of tender	बोली जमा करने की अंतिम तिथि / Last date for submission of Bid	बोली खोलने की तिथि और समय / Date & Time of Bid opening	अनुमानित लागत / Estimated Cost
NATRAX- पीथमपुर, धार (मध्य प्रदेश) में पुलिया और अन्य सहायक कार्यों को बंद करने के लिए स्ट्रक्चरल स्टील प्रदान करना और ठीक करना/ Providing and Fixing STRUCTURAL STEEL for closing Culverts and other ancillary works at NATRAX- Pithampur, Dhar (MP)	Within 10 days from the date of Issue of Work Order.	17 th March 2023	21 st March 2023 at 1500 Hrs	21 st March 2023 at 1530 Hrs	Rs 5.00 Lakh



बोलीदाता (आईटीबी) के निर्देशों में उल्लिखित न्यूनतम पात्रता मानदंड (एमईसी) को पूरा करने वाले बोलीदाता बोली प्रक्रिया में सफलतापूर्वक बनने के पात्र हो सकते हैं। जेवी/कंसोर्टियम के रूप में बोली लगाने वालों को अनुमति नहीं है।/ The Bidder(s) who meet the Minimum Eligibility Criteria (MEC) as mentioned in the Instructions to Bidder (ITB) may be eligible to become successfully in the Bidding process. **The bidder(s) in the form of JV/Consortium is not permitted.**

2. कोटेशन/बोली प्रस्तुत करने का विवरण/ Quotations/Bid Submission details:

- a. पासवर्ड से सुरक्षित बोली/कोटेशन बोलीदाता द्वारा निम्नलिखित ईमेल आईडी पर उपरोक्त समय और तारीख के बाद या पूर्व सूचना पर अगली सुविधाजनक तारीख और समय के रूप में प्रस्तुत किया जाना है।/ Password protected Bid/Quotation is to be submitted by the Bidder at the following email ID's not later than the aforesaid time & date or as next convenient date & time on pre-intimation.

mail to: a.prabhakar@natrip.in, anuj.kumar@natrip.in, proc.natrax@gmail.com

OR

मोहरबंद बोलियां/कोटेशन भी पूर्वोक्त तिथि और समय पर NATRAX हब कार्यालय में सीलबंद लिफाफों में हार्ड कॉपी में जमा किए जा सकते हैं। हालांकि, मौजूदा कोविड महामारी को देखते हुए बोलीदाताओं को इलेक्ट्रॉनिक मोड के माध्यम से बोली लगाने के लिए प्रोत्साहित किया जाता है।/ Sealed Bids/quotations may also be submitted in the hard copy in **sealed envelopes at NATRAX Hub office** in the aforesaid date and time. However, Bidders are encouraged to Bid/quote through electronic mode considering the ongoing Covid pandemic.

- b. उक्त तिथि एवं समय के बाद कोई बोली स्वीकार नहीं की जायेगी। हालांकि, असाधारण मामलों में, NATRAX के पास बोली खोलने से पहले बोली जमा करने के समय/अंतिम तिथि को अगली सुविधाजनक तिथि/समय तक बढ़ाने का अधिकार सुरक्षित है।/ No Bids will be accepted after the aforesaid date and time. However, on exceptional cases, NATRAX reserves the right to extend the time/last date of submission of Bid to a next convenient date/time before opening of the Bids.

टेलीग्राफिक रूप से या ट्रांसमिशन के अन्य माध्यमों (टेलीफैक्स, आदि) के माध्यम से भेजी गई बोलियां जो पासवर्ड से सुरक्षित नहीं हैं, उन्हें दोषपूर्ण, अमान्य माना जाएगा और खारिज कर दिया जाएगा।/ Bids sent telegraphically or through other means of transmission (telex, etc.) which are not Password Protected shall be treated as defective, invalid and shall stands rejected.

कृपया ध्यान दें: - ऑनलाइन बोली प्रस्तुत करने के मामले में तकनीकी बोली और वित्तीय बोली के अलग-अलग पासवर्ड होने चाहिए और बोली लगाने वाले के मामले में जो ऑफलाइन मोड में सीलबंद लिफाफे में बोली जमा करने के इच्छुक हैं, उन्हें NATRAX हब में बोली खोलते समय उपस्थित रहने की सलाह दी जाती है।/ Please Note: - In case of online Bid submissions Technical Bid and Financial Bid should



have different passwords and in case of Bidder who are willing to submit the Bid in Sealed envelop in offline mode are advised to be present while Bid opening at NATRAX HUB.

c. NATRAX गैर-प्राप्ति/गैर-वितरण/या किसी तकनीकी त्रुटि या गलत प्राप्तकर्ता के कारण किसी भी देरी के लिए जिम्मेदार नहीं होगा। बोलीकर्ता NATRAX से अपनी बोली प्रस्तुत करने की प्राप्ति की पुष्टि कर सकते हैं /NATRAX shall not be responsible for any delays for non-receipt /non-delivery/or any technical errors or due to wrong addressee. Bidders may confirm the receipt of their Bids submission from NATRAX

d. **Disclaimer/ अस्वीकरण:**

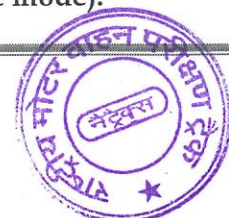
NATRAX बिना कोई कारण बताए किसी या सभी प्रस्तावों को स्वीकार/अस्वीकार/संशोधित/विभाजित करने के सभी अधिकार सुरक्षित रखता है। NATRAX के किसी भी निर्णय के लिए बोलीदाताओं के पास कार्रवाई का कोई कारण या दावा नहीं होगा।/ NATRAX reserves all rights to accept/ reject/modify/split any or all proposals without assigning any reasons. Bidders shall not have any cause of action or claim against NATRAX for any of its decisions.

For NATRAX

Head Procurement & Stores

इस निविदा में आगे चार अनुबंध शामिल हैं/ This tender further contain four Annexures

- A. अनुबंध-I (ए)-बोलीदाताओं के लिए निर्देश (आईटीबी)/
Annexure-I (A)-Instructions to Bidders (ITB)
- B. अनुबंध- I (बी) - अनुबंध की विशेष शर्तें।/
Annexure-I (B)- Special conditions of contract.
- C. अनुबंध-II- अनुबंध/विनिर्देश/ड्राइंग और डिजाइन की तकनीकी शर्तें।/
Annexure-II- Technical Conditions of contract/Specification/Drawings & Design.
- D. अनुबंध-III- वित्तीय प्रस्ताव/ Annexure-III- Financial Proposal
- E. अनुबंध - IV- प्रस्तुत करने की विधि (ऑनलाइन माध्यम से)।/ Annexure-IV- Method of submission (in case of Bid submission through online mode).



A. ANNEXURE I (A)- INSTRUCTION TO BIDDERS (ITB)

1. Bidders are required to submit their Bids in two parts in a Password Protected PDF format, named as "Bid for Tender No. NATRAX/PROC/C&I/22/-----" on the subject of the email, containing two separate Password Protected PDF document, as given below. The Password Protected Bids shall be submitted at the mentioned email ID(s) before the closure of Bid submission date/ time.

OR

Sealed Bids/quotations may also be submitted in the hard copy containing Technical Bid and Financial Bids in TWO different sealed envelopes at NATRAX office in the aforesaid date and time. However, Bidders are encouraged to Bid/quote through electronic mode.

- a) The first Password Protected document marked as "Technical Bid for Tender No. NATRAX/PROC/C&I/22/-----" shall consist of all the technical details eligibility, commercial terms and conditions and documents sought in the NIQ/Tender along with the signed copy the NIQ/Tender document. Further, the Technical Bid must include a copy of the unfilled Financial Bid of the Bidder without any information on the prices

OR

In case of offline Bid submission, the sealed document marked as "Technical Bid for Tender No. NATRAX/PROC/C&I/22/-----" shall consist of all the technical details eligibility, commercial, terms and conditions and documents sought in the NIQ/Tender along with the signed copy the NIQ/Tender document. Further, the Technical Bid must include a copy of the unfilled Financial Bid of the Bidder without any information on the prices

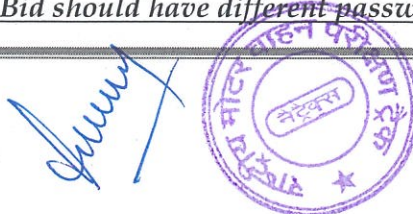
- b) The second Password Protected document marked as "Financial Bid for Tender No. NATRAX/PROC/C&I/22/-----" should consist of the Financial Bid duly filled and signed by an authorised person from the Bidder's.

OR

In case of offline Bid submission, the sealed document marked as "Financial Bid for Tender No. NATRAX/PROC/C&I/22/-----" shall consist of Financial Bid duly filled and signed by an authorised person from the Bidder's.

- c) In case of online Bid submission, the password of the documents shall be submitted by the Bidders at the time of the Technical Bid opening and the Financial Bid Opening respectively.
- d) The bidders are advised to submit the bid after duly signed submitted on each page, the bids received without sign and numbered may be rejected by NATRAX.

Please Note: - Technical Bid and Financial Bid should have different passwords.



For bids received through online mode, all bidders shall be requested to attend the bid opening through virtual mode and separate online meeting link for both Technical & Financial Bids opening shall be communicated by NATRAX.

For bids received through Offline Mode, all bidders may visit NATRAX office based on the given date and time for Technical Bid opening and intimation for Financial Bid opening which will invite 2 days before Financial Bid opening.

2. Technical Bid Opening:

The Technical Bids are opened at the first instance and evaluated. At the second stage, financial Bids of only technically qualified Bidder shall be opened with prior intimation about the date and time for further scrutiny, evaluation, ranking & placement of order.

3. The Bidders are expected to meet the minimum eligibility criteria (MEC) as given in this document. NATRAX will disqualify the Bid(s) those do not meet the minimum eligibility criteria as laid down, based on their submission along with the Tender documents even after the Bid opening process is concluded.
4. The Contract shall be governed by the terms and conditions specified in this tender document including amendments, work order etc.,
5. All Bidders are hereby explicitly informed that "CONDITIONAL OFFERS" or "OFFERS WITH DEVIATIONS" from the conditions of Contract, the quotation not meeting the minimum eligibility criteria, technical specifications, or any other requirements as stipulated in the Tender documents are liable to be "REJECTED".
6. Bidders should give details of their technical soundness and provide list of customers/client of previous works of similar nature in Government Departments/ Undertakings/ Public / Private sectors/Autonomous etc.,

7. Minimum Eligibility Criteria: -

Documents to be submitted along with the Bid:

The Bidders who's Bid meet the following criteria would only be considered as responsive and evaluated by NATRAX.

i. MEC 1: -

Legal Valid Entity: The Bidder shall necessary be a legal valid entity either in the form of Proprietary/Private Partnership/ Public Limited Company/ Private/ Govt./ Public/ Autonomous, documentary evidence should be submitted. **In form of JV/Consortium not permitted.**

Following List of acceptable documents should also be submitted along with under above-

- a) Certificate of Incorporation/Commercial establishment of firm/License certificate of the firm, etc.
- b) PAN Card/GST registration, PF registration, ESI Registration, Labor License and any other applicable statutory requirements, etc.,

ii. MEC - 2: Financial Capabilities: The Bidder should have minimum 3 years' experience with **Minimum Average Annual Financial** turnover during the last three years, ending on 31st March of the previous financial year (2018-19, 2019-20 & 2020-21), should be as **Rs 5 Lakh**. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods OR a Certificate (with UDIN NO.) from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be submitted with the Bid.

In case the date of constitution / incorporation of the Bidder are less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criterion. For startups registered firms, no turnover is required.

Any of the following acceptable documents to be submitted with Bid:

- a) Certified balance sheets for relevant period mentioned above, must necessarily have UDIN.
- b) Certificate from chartered accountant / cost accountant indicating turnover details for relevant period mentioned above, must necessarily have UDIN.

iii. MEC-3 -Similar works: The Bidder should have successfully completed **similar works*** component in the last 7 years meeting the following criteria: -

- a. Three similar completed works costing not less than the amount equal to 40 (forty) percent of the estimated cost; or
- b. Two similar completed works costing not less than the amount equal to 50 (fifty) percent of the estimated cost; or
- c. One similar completed work costing not less than the amount equal to 80 (eighty) percent of the estimated cost;

Similar Works:* successfully completed work pertaining to MS Fabrication/Steel Fabrication works etc., for any Govt Dept./Reputed firm Private Institution/Academic Institutions/etc.

List of accepted documents as proof of MEC (iii) above:

- a) Completion certificate along with PO/ work order, with value of works, etc.,



- b) In case completion certificate/Purchase order (PO) does not clearly mention the value of work executed, then the Bidder shall submit the fresh summary & proof as TDS, CA certificate, Excise, GST returns etc.,
- c) In case PO/Work order/completion certificate issued by any private employer, than form 26AS should be submitted to support the genuineness of the same.
8. **Tender Fee & Exemptions: -**
- a) This tender is free of cost.
- b) If registered under Startups and "Micro & Medium Small Enterprises" (MSME's), supporting documents need to be submitted to avail exemption from Earnest Money, subject to verification of certificate.
- c) *The Benefits & Exemptions for Startups and MSME Bidders (Udhyam Registration Certificate) - the exemption from prior turnover & experience & price benefit (under Class 1, 2 & 3) may be given as per the guideline.*
9. The Bidders are expected to carefully examine all the contents of the Tender documents/NIQ including instructions, conditions, terms, specifications, drawings (if any), shall inspect the Site with prior notice to NATRAX and at Bidders own cost, acquaint himself with all local conditions, means of access to the work, nature of the work and all matters pertaining thereto & take them fully into account before submitting their offer. Failure to comply with the requirements as detailed in these documents shall be at the Bidder's own risk. Bids which are not responsive to the requirements of the Tender will be rejected.
10. While all efforts have been made to avoid errors in drafting of the Tender documents, the Bidder is advised to check the same carefully. No claim on account of any errors detected in the Tender documents shall be entertained.
11. The Bidder shall carry out all the work strictly in accordance with Specification, Standard Practices and instructions of NATRAX or NATRAX's representative and deviation on any account will not be permitted. If in the opinion of NATRAX, changes have to be made and it desires the Bidder to carry out the same. The decision of NATRAX in such cases shall be final and shall not be open to arbitration.
12. The successful Bidder is bound to carry out associated work necessary for the completion of the job even though such items are not included in the quantities to achieve end results and deemed to be priced in the other items. No claim on this account shall be entertained.
13. Addendum / Corrigendum (if required) to the Tender may be issued prior to the date of opening of the Bid to clarify or to intimate any changes/modifications etc. All such addendum / corrigendum shall be treated as an integral part of the Tender.
14. Any effort by a Bidder to influence NATRAX or any of its functionaries in the process

of examination, clarification, evaluation and comparison of tenders and in decisions concerning award of contract, may result in rejection of the Bid.

15. In order to afford prospective bidders, reasonable time for preparing their Quotes after taking into account such amendments, NATRAX may, at its discretion, extend the deadline for submission of Bids.
16. Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations concerning the award of Contract shall not be disclosed to Bidders or other persons not officially concerned with such process.
17. NATRAX reserves the right to accept / reject or modify any Bids, and to annul the Tender process and reject all Bid(s)/quotation(s), at any time prior to award of Contract, or to divide the Contract between/amongst Bidders without thereby incurring any liability to the affected Bidder or Bidders or any obligations to inform the affected Bidder or Bidders of the grounds for NATRAX's action. Any Bidder not following ITB stands rejected.

18. TECHNICAL BID EVALUATION

- a) NATRAX shall follow the **Segregated Bid evaluation** system (No bearing of technical score in the financial Bid evaluation and L-1 in the financial Bid shall be deemed as successful Bidder) to determine the successful Bidder.
- b) The Bidder must qualify the all three MEC's.
- c) The Bidder is requested to specify what particular value he is offering for each particular requirement, rather than just stating he is fulfilling the Minimum Requirement.
- d) During the technical Bid evaluation process, NATRAX may ask clarifications to the Bidder through E-mail for confirming and consolidating their technical offers.
- e) All such clarifications are required to be answered by the bidders by E-mail, within the time specified by NATRAX.
- f) Only the technically qualified bidders shall be intimated for financial bid opening in writing.
- g) The Financial Bids of the Technically qualified Bidders shall be opened through online mode and the Financial Bids received through off-line mode shall also be opened on the same day and time at NATRAX Hub.



19. FINANCIAL BID EVALUATION:

- a) For the evaluation of the Financial Bids, the eventual Bid prices shall be ascertained after considering all the terms and conditions associated with the Bid price specified in the Financial Bid document and after detailed scrutiny of the financial bid.
- b) No Bidder shall be allowed to propose/carry out any revision / correction / modification in his Price Bid offer.
- c) If there is a discrepancy between the sub total/s and the total price that is obtained by multiplying the unit price and quantity/adding the sub total/s, the sub total/s shall prevail and the total price shall be corrected, unless in the opinion of the Employer that there is an obvious misplacement of the decimal point in the sub total price, in which case the total price as quoted shall govern and the sub total/s shall be corrected;
- d) If there is an error in a total, corresponding to the addition or subtraction of sub totals, the subtotal/s shall prevail and the total shall be corrected; and
- e) The Bidder needs to fill the rates against each item in word as well as in figures as mentioned in BOQ (Financial Bid). In case of any discrepancy, the rate provided in word shall prevail and correct the amount against the item. **All the prices should be inclusive of all taxes and GST.**
- f) The amount stated in the Letter to Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, shall be considered as binding upon the bidder. If the Bidder does not accept the corrected amount of Bid, the bid will be rejected.
- g) Contract negotiations, if any, will be held before the issuance of Letter of Acceptance/ Notification of Award. The negotiation shall conclude with a revised offer letter from the successful bidder, affecting the discounts if any and accepted by NATRAX.

20. Award of Work:

- a) Prior to the expiry of the period of Bid validity prescribed, NATRAX will issue to the Successful Bidder, the Work Order. The Successful Bidder shall return one copy of the Work Order to NATRAX duly acknowledged and signed by the authorized signatory, within two [2] days of receipt of the same by him.

b) NATRAX shall notify all the unsuccessful Bidders and discharge/ return their Earnest Money Deposit. No correspondence will be entertained by NATRAX from the unsuccessful Bidders.

21. Validity of bids:

The rate quoted should be valid for a **minimum period of 90 days** from the last date of Submission of Quotation. No claim for escalation of rate will be considered at any point of time.

22. Prospective bidders requiring any clarification of the Tender may write to a.prabhakar@natrip.in; anuj.kumar@natrip.in,

23. The Bids / related correspondences shall be made in English language.

Annexure-I (B)

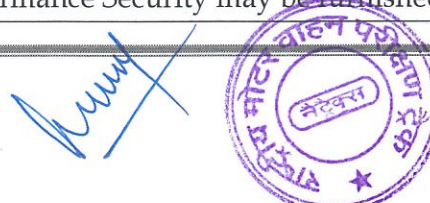
24. Special Conditions of contract:

a.	Scope of work	NATRAX- पीथमपुर, धार (मध्य प्रदेश) में पुलिया और अन्य सहायक कार्यों को बंद करने के लिए स्ट्रक्चरल स्टील प्रदान करना और ठीक करना/ Providing and Fixing STRUCTURAL STEEL for closing Culverts and other ancillary works at NATRAX-Pithampur, Dhar (MP)
b.	Contract Period	Within 15 days from the date of Issue of Work Order.
c.	Engineer Incharge (EIC)	Shall be notified to successful bidder.
d.	Rate Firmness	The charges/rate quoted by supplier must be firm throughout the Contract period and no escalation of any kind is permissible. The "final contract value" shall be derived on the completion of work at actual.
e.	Defect Liability Period	3 month from the date of completion of work
	Payment, Mode and Retention	<ul style="list-style-type: none"> i. 50% shall be released on completion of steel fabrication works and delivery of material at NATRAX. ii. 45% on completion of overall works and duly certified by EIC. iii. 5% shall be released after completion of defect rectification period, after successful completion of Defect Liability Periods and duly certified by EIC. iv. Payment shall be made after statutory deduction as



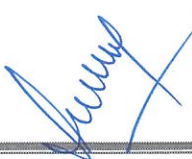

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		<p>applicable.</p> <p>v. Advance payment: maximum 10% of contract value may be paid after receiving request from contractor and submission of bank guarantee of 110% of the requisite amount. An interest 10% per annum shall be charged on the outstanding advance payment. The said advance payment shall be released in minimum two instalments. Contractor has to submit a utilization certificate for the said advance payment.</p> <p>vi. The GST/Taxes & duties of Govt. will be reimbursed on actual basis upon the submission of original receipt / documentary evidence.</p> <p>All the payments shall be made through RTGS only.</p>
	Quantity Variations Revision Rates / of	<p>NATRAX shall, having regard to the Scope of Works and the approved Contract Price, shall have power to order variations within the Scope of the Works as considers necessary or avoidable during the progress of the Works. Such variations shall form part of the Contract and the Contractor shall carry them out and include them in updated Programmes produced by the Contractor. Oral orders for Variations, unless followed by written confirmation, shall not be taken into account.</p> <p>There will not be any revision in rates for all the items provided in BOQ for any extent of variations, during the entire currency of the contract.</p> <p>New rate or price shall be derived from any relevant rate or price in the contract BOQ.</p> <p style="text-align: center;">or</p> <p>New Rate or Price for NON BOQ items shall be finalized by the NATRAX representative based latest Applicable DSR or MPSoR.</p>
h.	Liquidated Damages	0.1% of the Contract Price per day to a maximum of 10% of the Contract Price.
i.	Project Facility / Place of Installation/delivery	NATRAX Site NH-52, Old Agra- Mumbai Highway, Near to Pithampur Flyover, Post Khandwa (Near Pithampur), Dhar District, Madhya Pradesh-454774
j.	Bid Security/EMD	Not applicable
k.	Performance Security	3% (Three) of the Contract value should be submitted as Performance Security by the Successful Bidder on award of Contract. Performance Security may be furnished in the form of



		an A/C Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from a Scheduled Commercial Bank favoring "National Automotive Test Tracks" & payable at Pithampur and should remain valid for a period of Sixty days beyond the date of completion of all Contractual Obligations.
l.	Returning of Performance Security (PBG)	The performance security shall be returned after 15 Days of completion of Defect Rectification/Warranty Period.
m.	Returning of Retention Money	The retention money shall be released after 15 days of completion of Defect Rectification/Warranty Period, OR may be released on submission of PBG of same value.
n.	Other Terms and conditions	<p>i. The bidder should submit list of the equipments/machines with them. In case machines/equipments are planned to hire from others the rent agreement for hiring the same should be submitted.</p> <p>ii. No extra charge is payable for to and fro, boarding and lodging for the service personnel coming to NATRAX.</p>
o.	Safety:	Vendor shall be the prime responsible for all safety related activities during the entire contract tenure.
p.	Water supply & Electricity Charges	<p>i. Electricity: the electricity shall be provided by NATRAX from the available source on chargeable basis. Theft of electricity shall, be treated as breach of contract and in such case NATRAX reserve the right for penalty or termination of contract.</p> <p>ii. Water supply: the water for drinking purpose can be use from the available source at site, misuse/wastage apart from the above use, of water shall be treated as breach of contract and in such case NATRAX reserve the right for penalty or termination of contract.</p>
q.	Termination of Contract	If the work/service is found to be not satisfactory or not found as per the specification indicated in this document, the Contract will be terminated with short notice of 14 days in writing. In case of termination the balance work shall be completed by NATRAX through any other party on the risk & cost of contractor.

25. The bidder should give the following, duly signed and sealed, failing to which the bids will be summarily rejected:

26. DECLARATION:

(To be executed on Bidder's letter head)

I/We having acquainted with the content & requirement of this Tender No. NATRAX/-----
-----, dated _____ and do hereby accept to furnish the same in compliance
with all terms & conditions. I/we have not tampered/modified the tender in any manner
and breach of any such, will result in rejection of Tender and / or prosecuted.

I / We hereby declare that the firm/company has not been blacklisted or debarred in the
past by any other Government organization from taking part in Government tenders.

In case the above information found false or in case of breach of any of terms and conditions
at any stage of Tender or Contract, I/We are fully aware that the Tender/ Contract will be
rejected / cancelled by NATRAX and Payments (for completed/partially completed),
Retention, Bid Security (EMD), Performance Security, etc., shall be forfeited.

Signature of the Bidder: _____

Name and Designation: _____

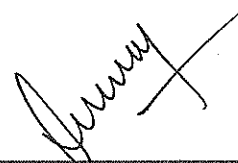
Address: _____

Contact details: _____

Place:

Date:

Seal of the Bidder's Firm



ANNEXURE - II

TECHNICAL CONDITIONS OF CONTRACT/ SPECIFICATION/DRAWINGS/DESIGNTECHNICAL SPECIFICATIONSSTRUCTURAL STEEL

This specification are for the supplying, fabricating and erecting in position mild steel structures such as beams, monorail, platform, M.S.ladders, stairs and M.S.grating etc. from angles channels, flats, plates etc. including cost of steel, cutting to required size, rivetting, bolting or welding, fixing in the line and level, painting with two coats, of red oxide primer and two coats of approved enamel paint. Requirements specified in this section will form a part of detailed specifications for item of works falling under this category. Indian standards shall apply as if included herein. Design of structure shall be compliance with Indian Standards (IS) viz. for rivets IS:1148-1954 for bolts IS:1148- 1964 and IS:1962 for structural fabrication IS:800-1962, and its latest edition.

Structural steel members, steel joints, plates and connections, steel chair assemblies, pipe supports for piping in all locations, ladders and stairs and miscellaneous metal work for water supply and sewerage and disposal installations. Unless otherwise specified all work specified herein and shown on the drawing shall conform to the applicable requirements of the following specifications and codes. Fabrication and erection of structural steel shall be in accordance with IS:800-962 and amendments issued.

This work shall include the furnishing and installation of all structural steel and miscellaneous metal work and related supports, tanks, manhole steps, equipment guards, anchors and other appurtenances and any other work shown on the drawings or herein specified. All materials shall be new, sound and of the best quality available.

STANDARD MATERIAL SPECIFICATIONS

1. STRUCTURAL
2. FASTENERS
3. NON-METALS
4. PAINT
5. WALL & ROOF PANELS
6. STANDARD ACCESSORIES



7. SKETCHES

i) Structural

Built-up sections are made from hot rolled plates conforming to ASTM A-572 Gr50 (345 MPa) steel. The plates are joined together on one side of the web by a continuous automatic submerged arc welding process to produce the section required. Hot rolled sections except beams are mill sections complying with IS:2062 (240 MPa) steel.

ERW pipes, sections and crane beams are mill formed sections conforming IS 2062 for 240 MPa yield. Black (non coated) cold formed sections of thickness 1.6 mm, 2.0 mm and 2.5 mm are made of hot rolled sheet to ASTM A607 Gr50(345 Mpa) steel.

Bracing rods and sag rods are made of steel bars conforming to IS:2062 with a minimum yield strength of 240MPa. Alum/Zinc coated (Galvalume) alloy sheets are 0.47 mm nominal thickness, cold rollformed from a cold rolled coil conforming to ASTM A-792 M, Grade-80 with a minimum

yield strength of 550 MPa. These sheets are hot dip coated with a 55% Aluminium and 45% Zinc alloy.

Pre-painted sheets are 0.5 mm nominal thickness, coated with a baked silicon polyester finish on top of an Alum/Zinc alloy finished steel sheet (as per the specification above).

The paint finish film thickness is 20 microns of silicon polyester on the exterior face and 10 microns of polyester on the interior face.

ii) Fasteners

Primary structural connection are made with electro galvanized (silver) high strength bolts Gr. 8.8 steel conforming to IS 3757 Purlins and girts are connected to their supporting members by machine bolts Gr. 4.6 steel conforming to IS 1363 electro-galvanized (yellow). Anchor bolts are made of rods conforming to ASTM F1554 with a minimum yield strength of 250 MPa. Roof and wall panels are fastened by No. 12 carbon steel self-drilling screws hot-dip galvanized with polymer coated finish with an integral washer head to which an EPDM elastomer layer is bonded.

iii) Non-Metals

Sky and wall lights are made of translucent white acrylic modified, Ultra Violet stabilized, fiber glass panels. Panels shall be of 3.9 Kg/m² nominal weight and provide same coverage as panel width with a maximum length of 3250 mm. Profile of light panels matches that of the roof / wall panel.

Closure strips shall match the sheeting profile, and be made of XLPE or similar material.

Adhesive sealing tapes are made of an elastomeric butyl rubber based extruded sealant on silicon release paper. End lap sealant is nitrilized silicon sealant.

Fiberglass insulation is as per IS 8183, 50 / 100 mm thick, with a vapor barrier (foil scrim Kraft/ reinforced white vinyl/reinforced white metalized film scrim kraft facing).
Density

shall be no less than 16 Kg/m³. No wire mesh is required under the insulation.

iv) Paint

a. Shop Primer

Primary steel shall be cleaned to Specification St2. One shop primer coat of Red Oxide Zinc Chromate shall be applied with an average dry film thickness of 25 microns on all red steel. Shop primer provides protection for elements while in transit and construction, and is not intended to be for permanent protection.

b. Wall and Roof Panel

Exterior and interior finishes on the roof panel and walls shall be Tracdek Aluminium/Zinc alloy with modified silicon polyester (SMP) paint with color selected from the standard Color Guide. Interior finish coat of wall panels shall be polyester paint, Light-Greycolor.

The coil manufacturer shall apply colour coating after proper hot dipped metallic coating and priming has been applied. Finish coats of paints shall be applied and baked on the surface as per the coil manufacturer's standards.

v) Standard Accessories

a. Louvers

S-type fixed louvers shall be manufactured out of 0.5mm silicon polyester coated Galvalume sheet in white colour with insect screen and is supplied in standard modules of 1500 mm wide x 1000 mm high. Special sizes can be manufactured on request.

b. Vents



Gravity flow Ridge Vents shall be 300 mm, 500 mm or 600 mm throat, in 3000 mm long units manufactured out of 0.5mm silicon polyester coated Galvalume sheet in white colour.

c.Roof Extensions

Sidewalk Roof Extensions shall be 900 mm cantilevered roof members located at the eave and sloped at the same pitch as the main structure roof slope. End wall Roof Extension shall be 900 mm cantilevered "C" and "Z" sections which are continuous span extensions of the main building end bay purlins and eave struts. Roof Extensions structural members (except rafters) shall be completely concealed when optional soffit panel is specified.

d.Structural Canopy

Side wall Canopies shall be 1500 mm cantilevered rafters attached at the eave, or at any point below the eave, supporting 200/250 mm deep "Z" purlins. Optional soffit panel shall conceal only canopy purlins, leaving rafters exposed, unless other wise specified.

e.Fascias and Parapets

Vertical and Curveline fascias shall be of the bracket mounted type.

f.Vertical fascias shall consist of hot rolled "I" section or cold formed "C" section fascia posts supported by a hot rolled section bracket that is cantilevered from the rigid frames columns at side walls and from the endwell posts at end walls, with cold formed 200/250 mm deep "Z" and "C" sections as top and bottom girts respectively. An intermediate "C" grit oriented vertically shall be supplied to support valley gutters when required. Vertical fascias shall project 600 mm from the steel line. The height of the fascia shall vary depending on actual requirements.

Fascia cladding shall be of 0.5 mm thick (nominal) pre-painted Hi-Rib panels. Soffit panels and back side panels are provided only when specified.

g.Curveline Fascias shall consist of the same type of construction as vertical fascias but shall be supplied with curved steel panels having the same corrugation profile as the Hi-Rib panel and shall be available in three types:

Type-I shall have a circular panel at the bottom of the fascia only.

Type-II shall have a circular panel at the top and bottom of the fascia.

Type-III shall be single panel profile curved at the mid height of the fascia.

h.A parapet shall be made from the same construction as the vertical fascia but without the cantilever. The building's wall sheeting shall continue to the top of the parapet.

i.Trims and Liner Panels

Trims shall be made of pre-painted Al-Zn steel, 0.5 mm minimum thickness. All trims shall be White except for corner trims and fascia trims which shall match the panel colors.

Gutters shall be nominal channel made of 0.5 mm Al-Zn steel, pre-painted White.

Downspouts shall be in 100mm square in 0.5mm alum/zinc steel pre-painted in white.

Liner panel shall be 0.5 mm galvanized steel pre-painted with White finish Hi-Rib panels.

All liner trims shall match the liner panel color.

vi) Foundation and Anchorage

Foundation and horizontal ties and concrete floor slabs shall be designed by NATIS/Its representatives. Design shall be based on job site soil conditions. Anchor bolts shall be set in strict accordance with IS Standards and best practices.

Vii) Colour Shade

The colour shade for the roof and wall cladding sheets shall be selected from the standard Colour Shade Card depending upon availability subject to prior sale.

- Doors shall be of 35mm thick and flush
- Single leaf doors shall be 915mm x 2135mm
- All doors shall be prepared for cylindrical locks/mortise locks/aldraps
- Glass, when supplied shall be 5mm thick clear tempered, factory installed
- Each door leaf shall have 4(four) 100mm long hinges
- Rolling shutters shall be manually or electrically chain operated as per the requirement in accordance to relevant standards.

5.1 Material Steel rolled sections, plates and bars shall conform to the latest editions of IS:226, 808, 1730, 1732 & 3954. Pipes used for columns or other structural purposes shall conform to IS:1161-1968. Iron for castings shall conform to IS:210.

5.2 Steel Chequered Plate

Plates shall be of regular quality carbon steel of the thickness shown on the drawings. The raised legs shall be diamond shaped and have an angle and opposed pattern. The chequered plate (size, location and type) shall be as shown in the drawing. Steel chequered plate and frame shall be galvanised after fabrication unless noted otherwise. All assemblies shall be reinforced on concealed faces as necessary to support the service



loads required. Aluminium shall be isolated from dissimilar metals, concrete, masonry and plaster to prevent electrolytic deterioration.

5.3 Common Bolts

Bolts and nuts shall conform to IS:1363-1967. The bolts exposed to liquid surfaces shall be of Stainless Steel or Brass.

5.4 Welding Electrodes

The electrodes shall conform to the requirements of IS:814 latest edition.

5.5 Shop Painting

Structural steel not designated to be galvanised shall be stop-coated using priming coat of red lead as specified in painting section of these specifications. The portion of steel to be embedded in concrete shall not be painted.

5.6 Miscellaneous Structural Works

Steel fabricated components, unit and assemblies for various equipment for waste water treatment plant to be installed shall be fabricated as per drawings and conforming to various standards codes of manufacture as specified and applicable.

5.7 Execution

Erection shall include the installation and erection of all structural steel as called for the section. The contractor shall verify correctness before starting erection. As erection progress, the work shall be securely bolted up to take care of all dead-load, wind and erection stresses. No final bolting or welding shall be done until each portion of the structure has been properly aligned and plumbed. Bolts shall be drawn up tight and threads set so that nuts cannot become loose.

5.8 Damaged Members

During erection, members which are bent, twisted or damaged shall be straightened or replaced as directed. If heating is required in straightening, a heat method shall be used which will ensure uniform temperature throughout the entire member. Members, which in the opinion of the Engineer are damaged to an extent impairing their appearance, strength or serviceability, shall be removed and replaced with new members.

5.9 Bearing Plates

Bearing plates shall be provided under beams and columns resting on walls or footings. Bearing plates may be attached or loose and aligned on steel wedges or shims. After the supported members have been plumbed and properly positioned and the anchor nuts tightened, the entire bearing area under the plate shall be dry packed solidly with bedding mortar. Wedges and shims shall be cut off flush with edge of bearing plate, and shall be left in place.

5.10 Substitutions

Unless otherwise directed, the exact sections, shapes, thickness, sizes, weights and the details of construction shown for the structural steel work shall be furnished. However,

the Contractor, because of his stock or shop practices, may suggest changes if the net area of section is not thereby reduced, if the section properties are at least equivalent and if the overall dimensions are not exceeded. All substitutions or other deviations from drawings and/or specifications shall be specifically noted or "clouded" on the shop drawing submittals.

5.11 Flame Cutting

Flame cutting by the use of a gas cutting torch in the field for correcting fabrication errors will not be permitted on any major member in the structural framing. The use of flame-cutting torch will be permitted only on minor members, when the member is not under stress, and only after the approval of the Employer has been obtained.

5.12 Storage of Materials

Structural material, either plain or fabricated, shall be stored above ground upon platforms, skids, or other supports. Material shall be kept free from dirt, grease and other foreign matter and shall be protected from corrosion.

5.13 Steel Stairs

To be fabricated true to size and details and provided complete with all attachments, steel pipe rails and handrails, checker plate-nosed grating type treads and landings. Shop and setting drawings shall be submitted beforehand for approval of the Engineer.

5.14 Anchors Bolts and Anchors

Anchors bolts and anchors shall be properly located and built into concrete to work. Bolts and anchors shall be present by the use of templates or such other methods as may be required to locate the anchors and anchor bolts accurately. Embedded anchor bolts that are submerged in process water or pump room floors, or are in enclosed tanks or spaces exposed to process gas or moisture, shall be of stainless steel bolts, a non-oxidising lubricant greases will be applied before bolting.

5.15 Ladders

- i. Contingent upon designated requirements for different locations, galvanised steel unit will be fabricated conforming to requirements. Rails where indicated will be provided.
- ii. M.S.Ladders with stringers as specified and the steps of M.S. bars of specified dia shall be provided. The handholds shall be curved. The size and dimensions shall be as specified or as shown in the drawings.

5.17 Stair Abrasive Safety Nosings

Extended nosings to within 150mm of wall or stringer and equip each with embedded anchorage of secure attachment. Finish flush with concrete at all cast inplate concrete stairs, except or otherwise designated.

5.18 GI Piping Railing

Hand railing shall be with 40 mm of GI pipe in double row with 40mm of GI pipe uprights at a spacing not more than 1.5 m and of one metre clear height. Hand railing

shall be painted with two coats of enamel paints over a coat of red oxide primer. Hand railing shall be provided all around sumps/tanks, platforms, ladders and walkways.

5.19 C.I. Steps

C.I.Steps for wet well shall be as per IS:5455. The steps shall be clean, well cast and shall be free from oil and sand holes, wrappings etc. The C.I. steps shall be PVC consulted heavy duty type having size 300 x 150 x 25 mm. The portion of the step which projects from the wall of the wet well shall have a raised chequered design to provide an adequate non-slip grip. Minimum weight of each step shall be as per IS. The step shall be coated with approved bituminous paint.

5.20 Welding Electrodes

Finishing with Enamel paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, etc. complete on steel work.

5.21 Galvanising

All metal work shown or specified to be galvanised shall be zinc coated as per IS : 2629. The zinc coating should be free from defects and shall have uniform thickness of coating.

a. Galvanised coatings marred or damaged during erection or fabrication shall be repaired by any approved process as directed by the Engineer.

5.22 Test Reports

Certified physical and chemical mill test reports shall be furnished by the Contractor for material used for major structural members.

5.23 Shop Drawings

Five sets of shop drawings shall be submitted to the Engineer for approval before fabrication of any of the work. In approving shop drawings, the Engineer does not assume responsibility for accuracy of the work or work relative to other plant components as constructed.

5.24 Anchor Bolts

Shall be galvanised and shall be fabricated as shown, or specified by the equipment manufacturer. Suitable expansion bolts may be used in lieu of anchor bolts at certain locations. It shall be the responsibility of the Contractor to request the substitution and obtain the Engineer's approval regarding type and location of expansion bolts proposed to be used prior to pouring concrete.

5.25 Steel Grating

Seat angles and anchors shall be of steel. Grating and support shall be galvanised. Gratings to be supplied and installed as detailed in the drawings.

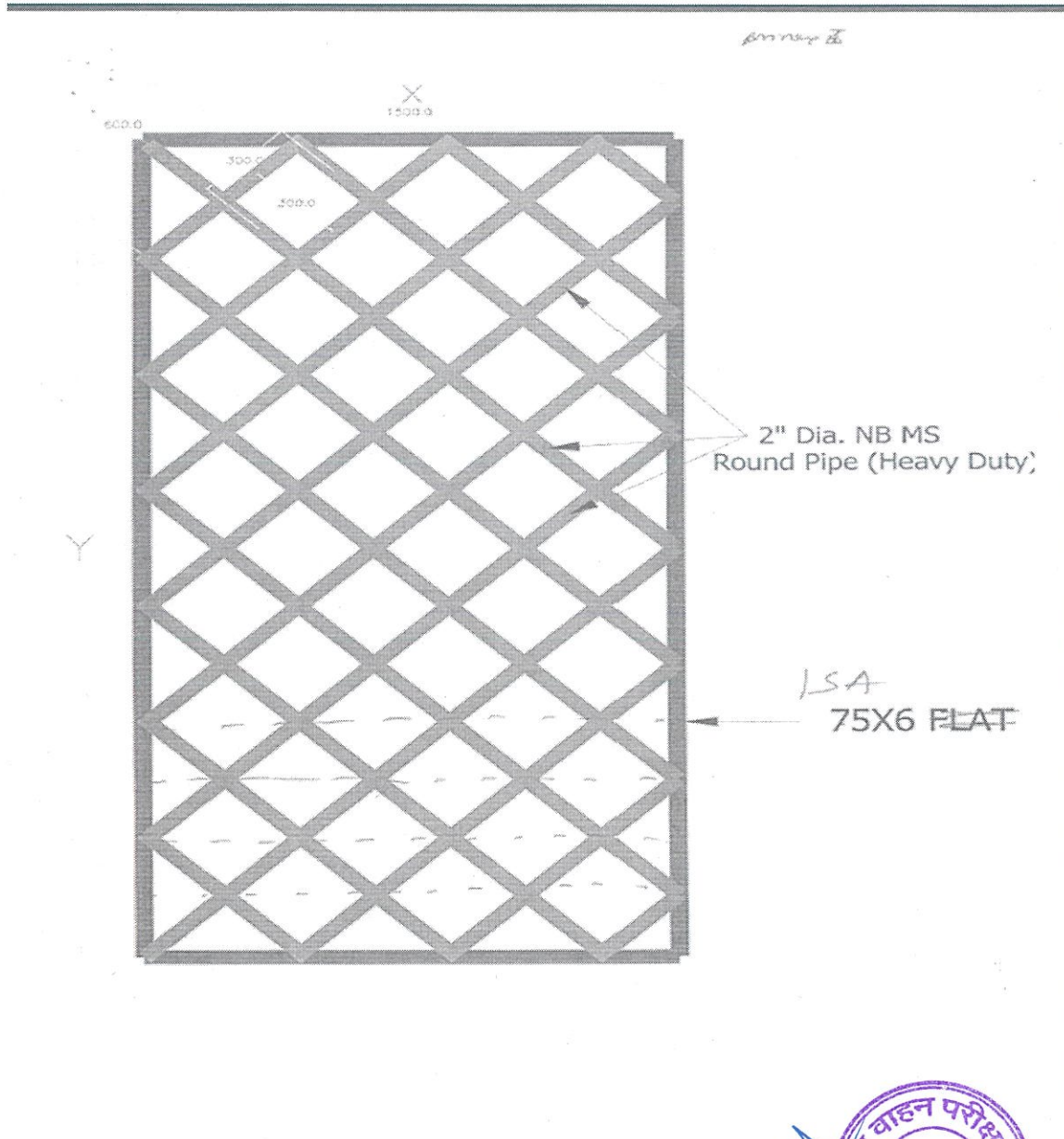
5.26 Miscellaneous Structural Works

Gravity Ventilator-Throat 600mm & 3.00 mts length shall be executed as per NATIS/standard practice. Header pipes of different diameters shall be executed as per NATIS standards.

Steel fabricated components, units and assemblies for various equipment for water supply and sewage treatment installation shall be fabricated as per drawings and conforming to various standard codes of manufacture as specified and applicable.

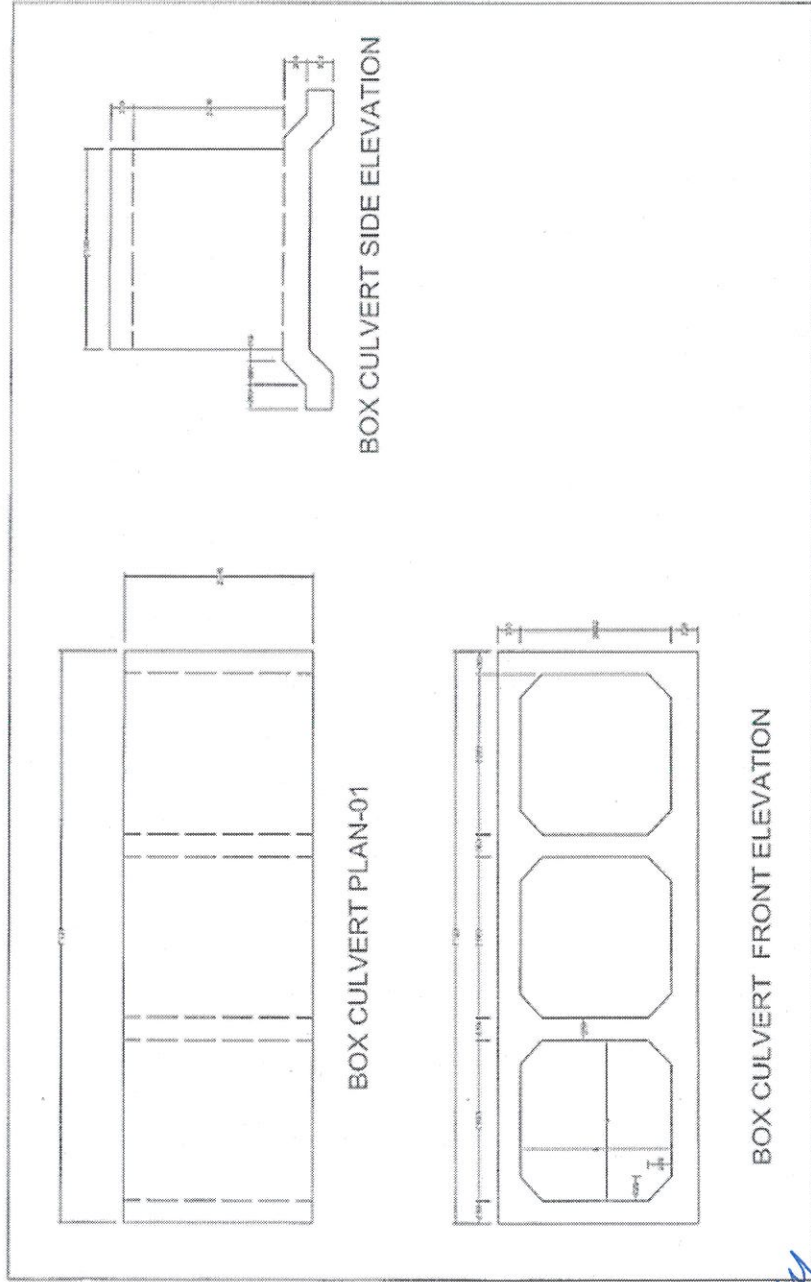
work should be done as per the prevailing standard, BOQ, Drawings & design give in these documents. The manpower going to be engaged in this work should be well trained competent to complete the work as per given details and instructions of the NATRAX time to time.

The drawings and design are as given below:



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महानगरपालिका
नयाँपल्ले
सुदूरपश्चिम प्रदेश

Answer 55





Tender No. -NATRAX/PROC/C&I/23/53

Form for the submission of Financial Bid

Financial Proposal Submission Form
(To be Executed on Letterhead of the Bidder)

FINANCIAL PROPOSAL SUBMISSION FORM

[Location, Date]

To:

The Head Procurement
NH-52, Old Agra- Mumbai Highway,
Near to Pithampur Flyover,
Post Khandwa (Near Pithampur)
Dhar District, Madhya Pradesh-454774

Dear Sir,

We, the undersigned, offer to provide the equipment & services in accordance with your Tender No. _____, dated _____ and our Technical Bid. Our attached Financial Bid includes the price in the format for financial bid provide as part of tender documents. The total price of our offer is _____ (in figures and words) and includes all the deliverables under this tender as per our Technical Bid.

We hereby declare that all the information and statements made in this Bid is true and complete in all respects and is as per the guidelines and terms & conditions laid down in the tender document. We further understand that any information which is found false or is not as per the guidelines and terms & conditions of the tender document may lead to our disqualification.

Our Financial Bid shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Bid.

We understand NATRAX has right to accept or reject our Bid as per its discretion.

Yours sincerely,

Authorized Signature [In full]: _____

Authorized Signature [In initials]: _____

Name and Title of Signatory: _____

Name of Firm: _____

Address: _____

[Note : To be signed in blue ink]



ANNEXURE-III
Bill of Quantities (BOQ)/Financial Bid

Bill of Quantities for Providing and Fixing of MS Pipe Jali in Box Culvert Vent of Boundary wall at NATRAX- Pithampur, Dhar (MP)						
Item No	Reference No.	Item Description	Unit	Quantity	Rates in Rs (Including GST)	Amount in Rs
1	MPSoR-2022 Item no 14.27/Page no 92	Providing and fixing in position structural steel work for the superstructure of bridges including cutting, rivetting, bolting or welding as per the approved design and including hoisting in position etc. complete as per specifications and Frame shall be fixed to wall using Expendable Fastener with necessary stainless steel bolts, all complete as per direction of Engineer-in-charge. (Fastener will be paid extra)	Kg	5059		
2	DSR-2021/Basic Rate-2612/Page no 30	Supply of Anchor Fastener - M10	Each	50		
3	DSR-2021/Item no 13.63/Page no 234	Painting with aluminium paint of approved brand and manufacture to give an even shade .	Sqm	100		
		Total Amount				



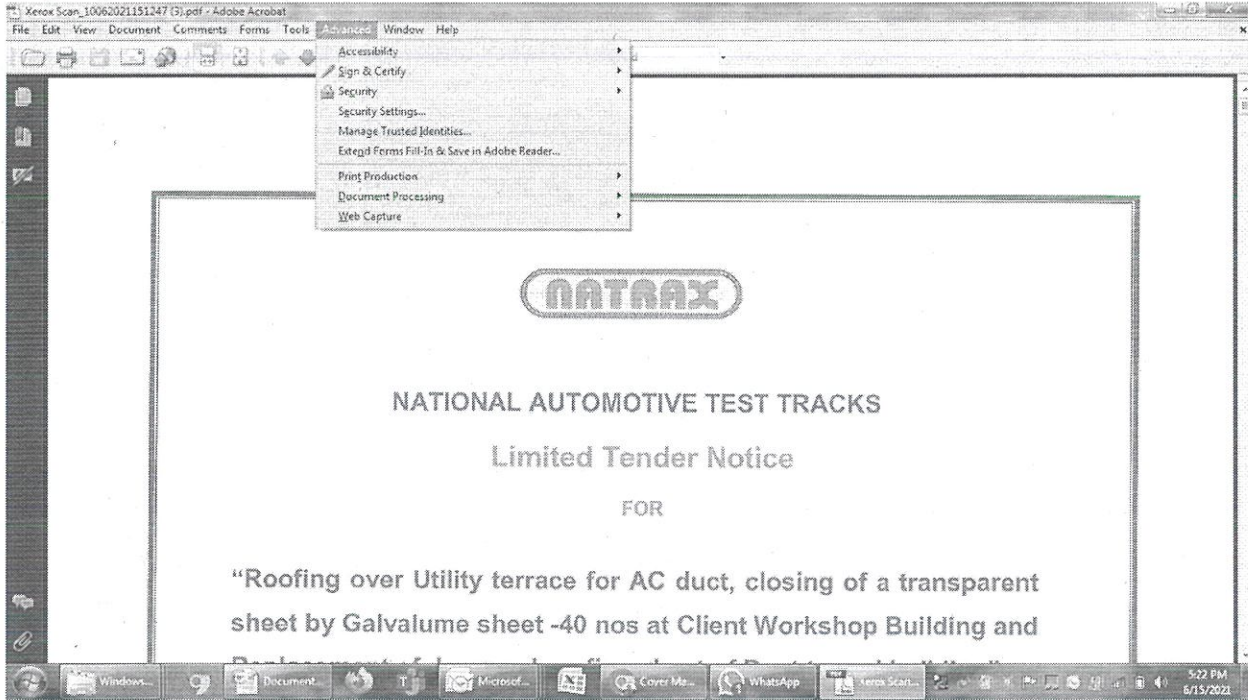
Rummy

Signature of bidder

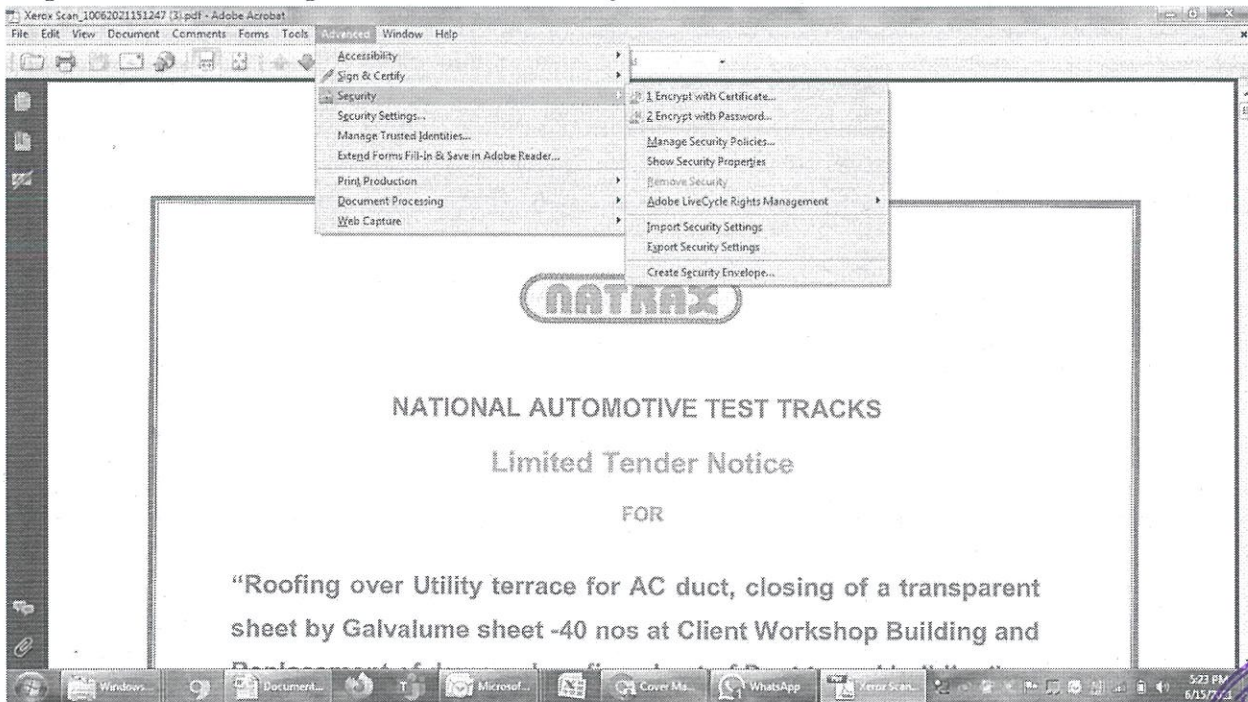
ANNEXURE -IV

Steps for loading passwords in PDF Files-Method I

Step 1- please open PDF file and click on "Advance" tab.

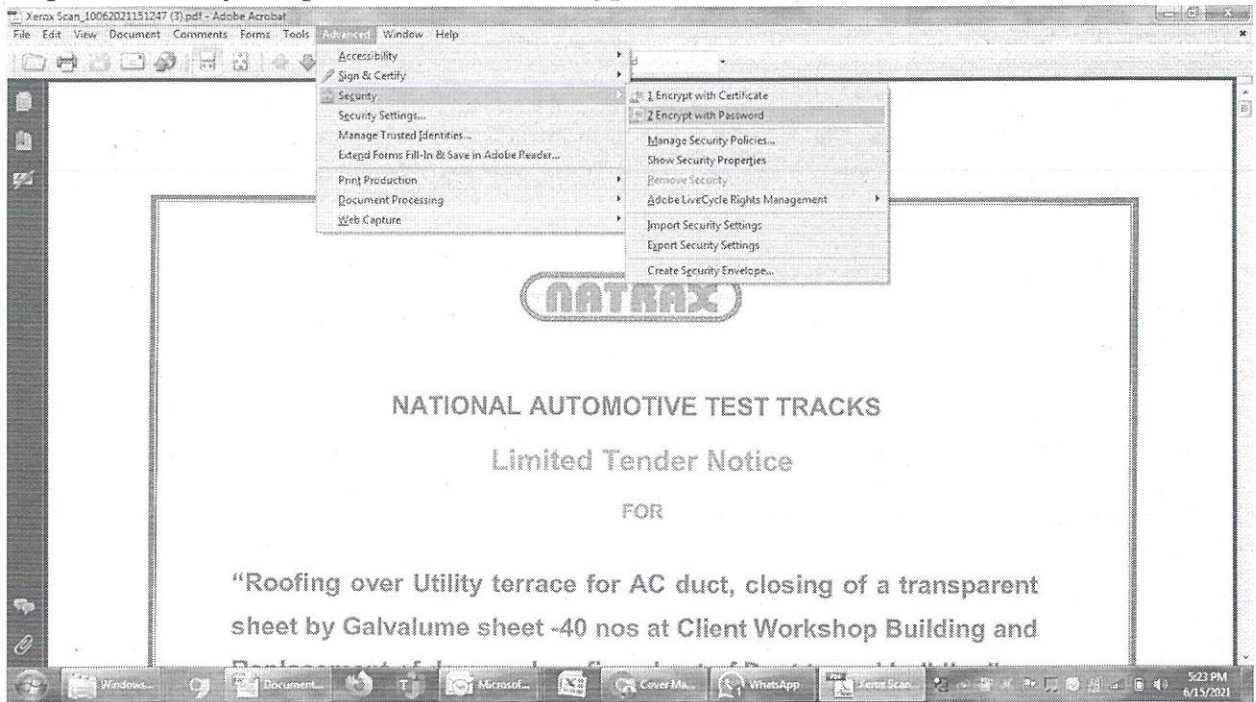


Step 2- in advance tab, please click on "Security" tab.

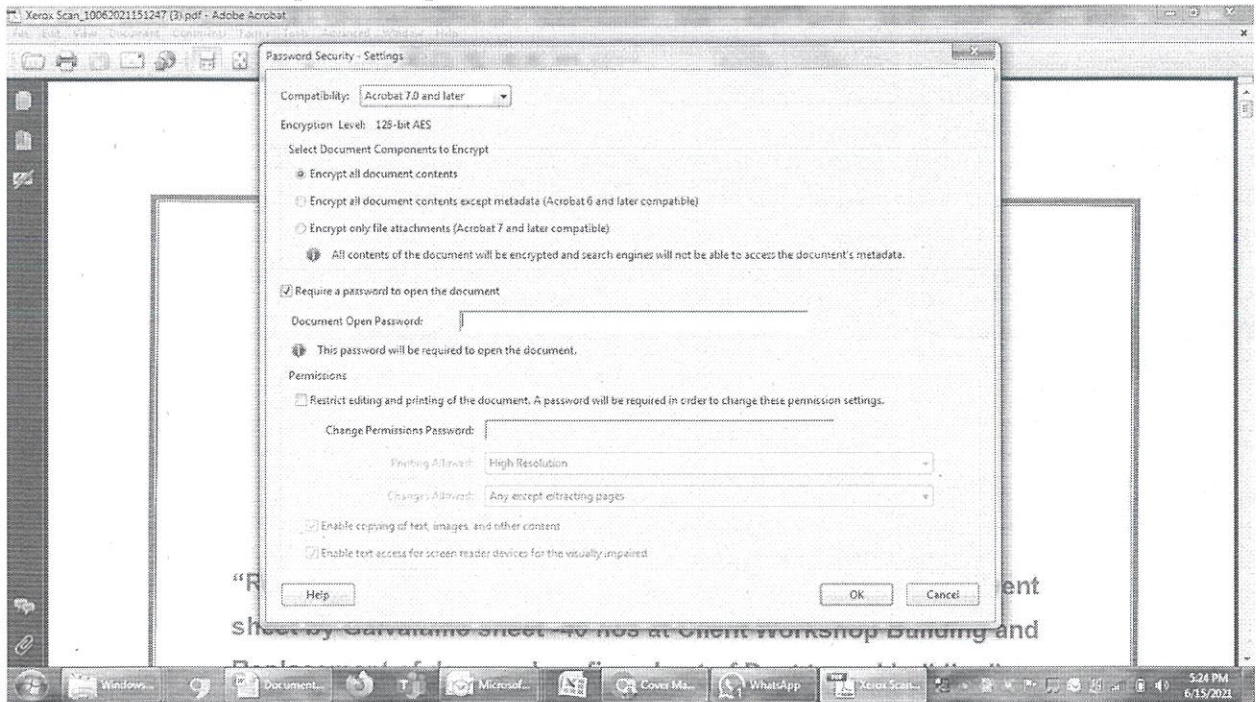


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Step 3- in security tab, please click on "2 Encrypt with Password".

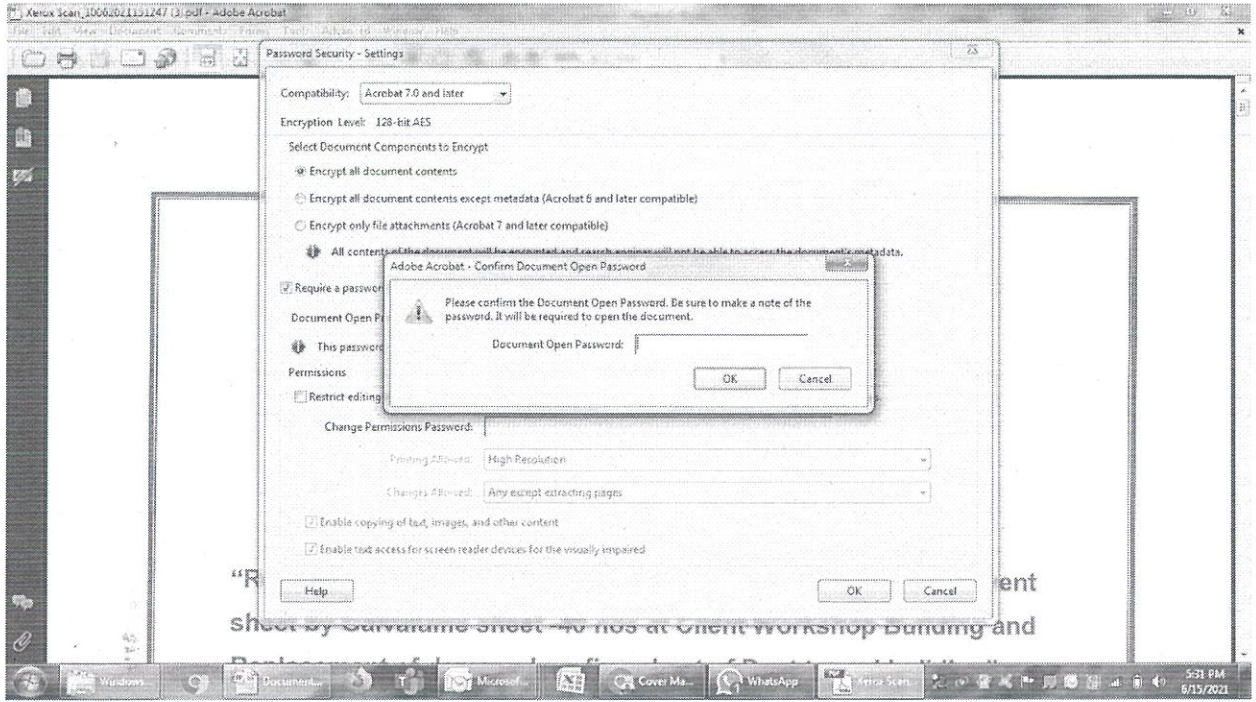


Step 4- after that below window will open, please check in option "Required a password to open the document". Than please fill password and click "ok".



[Handwritten Signature]

Step 5- after that below window will be open, please fill same password again, and click "ok".



Sushy