DELHI AVIATION FUEL FACILITY PRIVATE LIMITED AVIATION FUELLING STATION SHAHBHAD MOHAMMADPUR IGI AIRPORT NEW DELHI-110061



TENDER NO: DAFFPL/MOD/FF/2021-22/11

INVITING TENDER FOR MECHANICAL, CIVIL & ASSOCIATED WORKS FOR LAYING OF PIPELINE HEADER AT DAFFPL

BID DUE DATE & TIME: 1500 Hrs. IST on 24th March 2022

OPENING OF TECHNICAL BIDS: 1100 Hrs. IST on 25th March 2022



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PRICE BID FORMAT

NOTE: BIDDERS ARE REQUESTED TO SIGN AND STAMP ALL THE PAGES OF THE TENDER DOCUMENT AND SEND THE SAME BACK IN THEIR OFFER AS A TOKEN OF UNCONDITIONAL ACCEPTANCE OF TENDER TERMS.

THE DEVIATIONS, IF ANY, SHOULD BE MENTIONED SEPARATELY ON BIDDER"S LETTER HEAD IN TECHNICAL BID. THE DEVIATIONS MENTIONED ANYWHERE ELSE SHALL NOT BE CONSIDERED. IN ABSENCE OF DEVIATION SHEET, IT WOULD BE CONCLUDED THAT BIDDER HAS ACCEPTED THE TENDER TERMS WITHOUT ANY DEVIATIONS. CORRECTIONS IN TENDER DOCUMENT WILL NOT BE ACCEPTED.



TENDER NOTICE DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

INVITING TENDER FOR MECHANICAL, CIVIL & ASSOCIATED WORKS FOR LAYING OF PIPELINE HEADER AT DAFFPL

TENDER NO: DAFFPL/MOD/FF/2021-22/11

Delhi Aviation Fuel Facility (P) Ltd (DAFFPL) invites bids from eligible bidders for MECHANICAL, CIVIL & ASSOCIATED WORKS FOR LAYING OF PIPELINE HEADER AT DAFFPL.

Brief Scope of work:

We intend to install a new pipeline header into ATF tanks along with installation of FWS & MF with Allied Mechanical, Civil Works complete as per specifications & Bill of Quantities.

Bid Security (EMD): As mentioned in the Tender document

Date, Time & Venue for

Voluntary Pre-bid 7th March 2022; 1500 HRS (IST) at DAFFPL,

Meeting: Aviation Fueling Station, Shahabad

Mohammadpur, New Delhi-110061

Last Date of Submission

Bid Due Date, Time &

of Queries

Upto 15:00 HRS (IST) on 24th March 2022, at e-

Upto 18:00 HRS (IST) on 10th March 2022.

Place of Submission: Tenderina Portal of DAFFPL.

Detailed Invitation for Bids (IFB) along with Pre-qualification Criteria, Bid Document Corrigenda can be viewed and downloaded from DAFFPL's website: http://daffpl.enivida.com

Chief Executive Officer

DAFFPL, New Delhi

CHAPTER 1: INTRODUCTION (COVERING NOTE)

Delhi Aviation Fuel Facility Private Limited (DAFFPL) is a Joint Venture comprising Indian Oil Corporation Ltd. (IOCL), Bharat Petroleum Corporation Ltd. (BPCL), and Delhi International Airport (P.) Ltd. (DIAL). We provide the infrastructure aimed at ensuring an uninterrupted flow of Aviation Turbine Fuel (ATF) to all type of aircrafts at the Indira Gandhi International Airport, New Delhi (IGI Airport) as per international benchmarking.

The bidder/ contractor shall refer to various sections of this tender document for detailed scope of work. It is contractor's/ bidder's responsibility to execute the job in all respects as per specification furnished by consultant / owner and as per applicable codes, standards & in line with statutory requirements.

The field circumstances shall also be taken into consideration and methods suitable to the site conditions shall be adopted with concurrence of the Engineer-in-charge and in line with manuals, instructions of respective equipment and specified codes and standards. The successful accomplishment of the project is greatly influenced by the teamwork, workmanship of the workers and supervisors.

The Contractor/Bidder shall employ only such workers and supervisors who have considerable experience of similar work and who can work, temperamentally in good harmony and co-operation.

Delhi Aviation Fuel Facility Private Limited (DAFFPL) invites tenders in prescribed tender form under two-bid system. For viewing details including EMD, BID QUALIFICATION CRITERIA etc. please visit our e-Tendering web site http://daffpl.enivida.com

The bids are to be submitted on the e-Tendering portal of **Delhi Aviation Fuel Facility Private Limited (DAFFPL)**.



1. The Tender is floated in Two Bid system consisting of Technical Bids (Bid Qualification Criteria - BQC, Technical plus Commercial) and Price Bids.

Part-I: Bid Security / EMD in accordance with tender document.

Part-II : BQC (Bid qualification criteria), Technical & commercial

Bid, duly filled in & along with all supporting as requested to

be submitted/uploaded on DAFFPL e-tendering portal.

Tender Box.

Part -III : Price Bid.

- 2. The bidder should be able to construct the entire size/type/quantity bidded by them. Bidders cannot bid for part items or part quantity.
- 3. Firstly, the technical bid (BQC & Techno commercial bids) shall be opened. The Bids shall be initially scrutinized by a team as per tender requirements of BQC (Bid qualification criteria). Technical cum commercial bids of only those vendors who qualify the BQC will be processed further. The price bids of only techno-commercially qualified bidders will be opened, evaluated and shortlisted for Placement of Work Order.
- 4. The bids submitted should be valid for **four months** from the due date of bid submission for Owner's acceptance. Once accepted it will remain firm till completion of contracts/orders.
- 5. We request the bidder to carefully go through all tender documents before submitting the offer. Please note that any exceptions or deviations to the tender document are necessarily to be recorded in the attached deviation statement only. Any exceptions/deviations brought out elsewhere in the bid shall not be considered.
- 6. The bidders may be invited for a presentation to DAFFPL during Technocommercial evaluation before price bid opening.
- 7. The bidders to provide their bank details/ PAN / Goods & Service Tax Registration No. / VAT registration No., as applicable for updating vendor master file. You are also requested to keep us informed of any change in address / status of your business / contact details including email address etc.
- 8. Party can quote with the deviations as referred in Point No.5 above. Please refer query end date / time in tender calendar after which no query posted by bidder shall be considered. However, DAFFPL reserves the right to respond the queries after cutoff date / time mentioned in tender calendar.

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9. Please note that queries related to scope of job, tender specifications, terms & conditions etc., should be submitted on e-tender portal before the query closing date. Any modification in the bid document that may become necessary as a result of the Pre-Bid meeting shall be made by the owner exclusively through the issues of corrigendum/ addendum posted at e-tender portal.

10. UNSOLICITED POST BID MODIFICATION

Bidders are advised to quote strictly as per terms and conditions of the Bidding Document. After tender submission due date & time/ extended due date & time (as the case may be) the bidders shall not make any subsequent price changes, whether resulting or arising out of any technical / commercial clarifications sought/allowed on any deviations or exceptions mentioned in the bid.

- 11.EMD & Techno Commercial bid shall be opened on or after the date mentioned on tender opening date on e-tender portal. Price Bid of only those bidders whose offer is found meeting both BQC & technocommercially acceptable, shall be opened on a later date as decided by DAFFPL.
- 12. DAFFPL reserves the right to accept any one or more tender in whole or in part or reject any or all tenders without assigning any reason. DAFFPL reserves right to accept any or more tenders in part. Decision of DAFFPL in this regard shall be final and binding on the bidder.

QUERIES AND CLARIFICATIONS: Any query or clarification with regard to this tender may please be referred to below address & phone nos. on any working day during office working hours.

Mr. Ajay Singh, Mr. Manish Kumar
Asst. Manager Projects, Project Officer

<u>ajay.singh@daffpl.in</u>, manish.kumar@daffpl.in, vishvajit@daffpl.in
9999946309, 9810640818

- 13.GOVERNING LAWS: The laws of Union of India shall govern all matters concerning the tender. Any issue arising related to the tender, or the selection process shall be adjudged by the courts in Delhi alone.
- 14. A Pre-bid meeting shall be conducted is scheduled for **7**th **March 2022 at 1500 Hrs IST** at the office of DAFFPL, New Delhi. All prospective bidders can participate in the same. Any clarification regarding tender shall be sorted out during the pre-bid meeting.

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a. The purpose of the pre-bid meeting is to clarify any doubts of the



- BIDDER on the interpretation of the provisions of tender.
- b. Bidder(s) are requested to submit their queries, mentioning form name, clause no. & clause as per schedule in order to have fruitful discussions during the meeting.
- c. All the Bidder(s) are requested to attend the pre-bid meeting to be held at DAFFPL Office as per schedule.
- 15. Earnest Money Deposit (EMD) (also referred to as Bid Security): Bidder shall be required to submit the Earnest Money Deposit (EMD), either in the form of Bank guarantee as per format (provided as Annexure) or bank transfer (IMPS/RTGS) in favor of Delhi Aviation Fuel Facility Private Limited. The EMD in either form has to be submitted on or before the due date & due time of bid submission of this tender with a covering note mentioning the tender no.

Direct bank transfer for Tender Fee and Earnest Money Deposit to DAFFPL account as detailed below. The UTR Reference and date shall be provided in the Tender portal for DAFFPL verification.

Name of Account	DELHI AVIATION FUEL FACILITY PRIVATE LTD.
Account No.	39040531887
Name of Branch	Corporate Accounts Group-II Branch, New Delhi
IFSC Code	SBIN0017313
SWIFT	SBININBB824
MICR	110002562
PAN	AAAC\$8577K
TAN	DELS55939C
BSR	0017313

- a. The bidders not submitting EMD by due time & date shall be rejected & their bids shall not be evaluated further.
- b. The EMD amount shall be 1.0 (One) Lakh INR
- c. Firms registered with National Small-Scale Industries (NSIC)/MSME of India are exempted from submission of EMD/bid security. Central Public Sector Enterprises of India and Firms registered with Nation Small Scale Industries Corporation (NSIC) of India are exempted from submission of EMD/Bid Security. Central Public Sector Enterprises are requested to give a self-declaration on their letter head to this effect. Bidders registered with NSIC of India are also requested to submit self-declaration on their letter head to this effect along with a copy of their Valid Registration certificate.

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16. Site Restriction: The job must be done in an area which is inside the premises of DAFFPL Fuel Facility. Successful bidder will have to follow all the security norms and procedures for entry and exit to the facility. The job timings will have to change as per the permissions obtained from Operation Dept. All the entry procedures for labours / machinery / raw materials as per the rules of the DAFFPL will have to be followed by the vendor. Contractor shall visit the site and ensure familiarity with the working condition / limitations at the site. Also, the entire works are to be carried out in an operating Location. The contractor may have to follow the timings of the facility and must work under restricted conditions. The normal working hours of facility is 0930 Hrs to 1800 Hrs on Monday to Saturday except holidays. Working beyond above normal working hours /holidays /Sundays are to be with prior permission of Engineer in charge and relevant facility officers. Contractor is required to plan his work within the normal working hours and days and accordingly he has to mobilize the resources to complete the job within the scheduled time. However, all efforts will be made by DAFFPL to give extended working time beyond normal working time in order to help the contractor for early completion of the job. No additional payment / charges shall be payable for such works. Not getting permission for working on holidays/ Sundays or beyond normal working hours will not be considered as reason for delay in work. The contractor and his personnel have to obey all rules and regulations of the plant. Trained and experienced supervisor/ engineer are required to be present at the work spot always.

All hot work like welding, cutting, grinding etc. needs to be done in the closed booth of asbestos cloth. No extra claim on account of the same will be considered. Also, the shutdown jobs may get delayed due to operational requirement. Any extra claims on account of the same will not be entertained. Fire Screen as mentioned in specifications & BOQ will have to be installed to completely seal the area under hot work.

The tenderer must visit the site of the tender and familiarize himself with location, operating / working conditions as well as any other local factors which could influence the working before quoting for the job. His quote should take care of any such restrictions; conditions etc. and any claim afterwards will not be entertained. It is suggested that the Tenderer must visit the site in order to have a better idea of site conditions and factors. It is strongly urged that the contractor visits DAFFPL terminal and examines the condition of DAFFPL issue pipeline & other items, it will be solely the

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contractors responsibility to make items issued by DAFFPL fit to be used in these works. IT is the contractor's responsibility to ensure DAFFPL issue items will be installed as per the approved drawing, commissioned & declared fit for use for Jet A1. No extra payment in these regards will be made.

- 17. Completion Period: Time is the essence of the contract. The time period of contract is 9 (Nine) months from the date of Letter of Intent/notification of award. The time includes necessary time required for mobilizations and demobilizations after the execution of work. Successful bidder is required to provide a bar chart /schedule showing the activities/events with time within 10 days from date of award of work. Also, the jobs may get delayed due to monsoon. Any extra claims on account of the same will not be entertained.
- 18. The contractual completion period of **9 Months** is inclusive of all the lead time for procurement of raw materials, inspection / testing, packing or any other activity whatsoever required to be accomplished to complete the work in all respect.
- 19. The work is required to be done in a working/operating location, the party has to get necessary Hot/cold work permits from the concerned officer in plant as per OISD standards and all workmen should be provided with necessary safety helmet, safety belts, safety shoes and other standard safety equipment's. Any delay on account of non-adherence to safety norms, rules and regulations of plant as well as obtaining work permits from the plant shall not be accounted for the delay in completion of job.
- 20. Receipt & storage of material at Site: Contractor is required to make his own arrangement for unloading and storage of materials at site. Contractor is required to inform us prior to dispatch of materials and his representative required to be available for receipt and unloading of materials at site.
- 21. The successful vendor has to arrange and submit to fuel facility the proper **POLICE VERIFICATION DOCUMENTS** if required of all the labors, site in charges, supervisors, welders, grinders and all associated workmen who will be coming inside the terminal for carrying out related jobs.

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- 22. For carrying out the jobs inside the depot the vendor must arrange for associated tools, tackles, manpower, machinery of his own and no extra payment will be made to vendor on account of the same.
- 23. All electrical works shall be carried out by qualified workers under supervision of class-A/valid electrical license holder.
- 24. For arranging the electricity vendor to note that only Acoustic Proof, box type DG sets will be allowed inside the depot premises. Vendor to also note that proper GI plate type earthing system as per IS 3042 (LATEST) has to be provided by the vendor for DG set and no extra payment will be done for the same. There should be two nos. earthing system connected in a grid at a location as instructed by DAFFPL site in-charge.
- 25. All the debris, scrap, cut pieces, etc. coming out of fabricated plates, excavated earth, area cleaning will have to be shifted by the vendor to a location inside or outside the terminal premises as per the instruction of DAFFPL site in-charge and no extra payment will be done for the same.

THE FORMS /ATTACHMENTS TO THIS TENDER ARE AS UNDER:

- 1. Chapter 1: Covering Note
- 2. Chapter 2: Instructions To Bidders
- 3. Chapter 3: Bid-Qualification Criteria
- 4. Chapter 4: Performance of Work
- 5. Chapter 5: Scope of Work
- 6. Chapter 6: General Purchase Conditions
- 7. Annexure attached are as follows:
 - Annexure I DEVIATION SHEET
 - Annexure II DECLARATION SHEET
 - Annexure III FORMAT FOR DRAFT BANK GUARANTEE IN LIEU OF BID SECURITY (EMD)
 - ➤ Annexure IV FORMAT DRAFT COMPOSITE BANK GUARANTEE FOR SECURITY DEPOSIT/PERFORMANCE GUARANTEE
 - Annexure V FORM OF LETTER OF UNDERTAKING
 - Annexure VI DECLARATION TO BE SUBMITTED ALONGWITH Technical BID
 - Price Bid

Thanking you, Yours faithfully, For DELHI AVIATION FUEL FACILITY (P) LTD.

Chief Executive Officer

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CHAPTER 2: INSTRUCTIONS TO BIDDERS

- The bidder shall bear all costs associated with the preparation and submission of the bid and Owner will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
- 2. The bidders should have valid class 3 Digital sign certificate with encryption.
- 3. Bidders are requested to register on our E-Tendering portal on https://daffpl.enivida.com
- 4. Bidder can contact on e-portal helpdesk numbers 011-49606060, 9355030617 during 9:30 hrs to 18:00 hrs for any query/assistance for registration & tender documents submission.
- 5. Vendor is requested to submit their bids taking full notice of all the technical specifications, terms and conditions, forms & attachments to this tender. Bids must be submitted only through e-Tender portal.
- 6. Owner reserves the right to accept / reject any or all bid qualification documents at their sole discretion without assigning any reason whatsoever.
- 7. Owner is not responsible for any delays from bidder end.
- 8. Owner reserves the right to make any changes in terms and conditions of purchase before due date of bid submission and to reject any or all bids received incomplete.
- 9. Undertaking by the bidder:
 - a. I/we hereby undertake that the statements made herein/information given in the bids through e-Tendering system/annexure/forms referred are true in all respects and that in the event of any such statement or information being found to be incorrect in any particular, the same may be construed to be a misrepresentation entitling DAFFPL to avoid any resultant contract.
 - b. I/we further undertake as and when called upon by DAFFPL to produce, for its inspection, original(s) of the document(s) of which copies have been annexed hereto.



- 10. Owner, at its discretion reserves the right to verify information submitted by the bidders.
- 11. Bidder to submit documents/information to satisfy the bid qualification criteria. Bidders should also be able to produce further information as and when required by DAFFPL with in a time limit as specified by DAFFPL.
- 12.DAFFPL reserves their right to negotiate the quoted prices with lowest bidder.
- 13. Bidders would be qualified based on data and documents submitted by them.
- 14. Owner's decision on any matter regarding short listing of vendors shall be final and no corresponding in this regard will be entertained.
- 15. The vendors who are on IOCL/BPCL/DIAL holiday list or delisted will not be considered.
- 16. The bidder is expected to examine all instructions, forms, attachments, terms and specifications in the tender document. The entire tender document together with all its attachments thereto, shall be considered to be read, understood and accepted by the bidder, unless deviations are specifically stated seriatim by the bidder. Failure to furnish all information required in the tender document or submission of a bid not substantially responsive to the tender documents in every respect will be at bidder risk and may result in the rejection of his bid. The bidder scope of supplies as specified in the material requisition shall be in strict compliance with the scope detailed therein and in the bid document.
- 17. Bidders in their own interest shall ensure that they submit their bid, complete in all respects, well within the specified bid due date and time. No relaxation shall be given for delay due to any unforeseen event in submission of bid.
- 18. At any time prior to the bid due date, we may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bid document. The amendment will be notified through our portal for e-tender to all prospective bidders and will be binding on them. In order to afford prospective bidder, reasonable time in which to take the amendment into account in preparing their bids, we may, at our discretion, extend the bid due date.

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- 19. The bid prepared by the bidder and all correspondence/ drawings and documents relating to the bid exchanged by bidder and the owner shall be written in ENGLISH language, provided that any printed literature furnished by the bidder may be written in another language so long as accompanied by an ENGLISH translation, in which case, for the purpose of interpretation of the bid, the ENGLISH translation shall govern.
- 20. Declaration with the bid qualification criteria that bidder has not been banned or delisted by any Government or quasi Government agencies or Public Sector Undertaking (PSU) as per declaration format (provided as annexure) of the tender document should be submitted along with the bid.
- 21. Bidders are advised to submit bids based strictly on the terms & conditions and specifications contained in the tender document and not to stipulate any deviations. Each Bidder shall submit only one bid. A Bidder who submits more than one bid will be rejected. Alternative bids will not be accepted.
- 22. The Owner may, at its discretion, extend the bid due date, in which case all rights and obligations of the Owner and the Bidders, previously subject to the bid due date, shall thereafter be subject to the new bid due date as extended. The same will be hosted in the e-tendering portal.
- 23. Bids shall be kept valid for 4 months from the bid due date. A bid valid for a shorter period shall be considered as non-responsive and rejected by the Owner. Notwithstanding above, the Owner may solicit the Bidder consent to an extension of the period of bid validity. The request and the responses thereto shall be made in writing. The EMD (bid security) shall also be accordingly extended.
- 24. Telex/ Telegraphic/ Telefax / E-mail/Physical offers will not be considered and shall be rejected.
- 25. No bid shall be modified subsequent to the due date & time or extension, if any, for submission of bids. Bidder(s) to note that Price changes after submission of bid shall not be allowed. In case any bidder gives revised prices/price implication, his bid shall be rejected. No bid shall be allowed to be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder. Withdrawal of a bid during this interval shall result in the forfeiture

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of Bidder's EMD.

- 26. Bids that do not meet the Bid qualification criteria as specified in the bid document shall be rejected. A bid with incomplete scope of work and/or which does not meet the technical requirements as specified in the bid document, shall be considered as non-responsive and rejected. Conditional bids will be liable for rejection.
- 27. The Owner will examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed and whether the bids are generally in order.
- 28. The bids without requisite EMD and/or not in the prescribed Performa and the time limit will not be considered and bids of such bidder(s) shall be rejected.
- 29. PRICE EVALUATION CRITERIA: As award is on overall landed lowest basis, part offers will be rejected. Bidder has to quote for all items in a lot for us to consider them.
- 30. Prior to the expiration of period of bid validity, the owner will notify the successful bidder in writing or by e-mail, that his bid has been accepted. The Notification of Award will constitute the formation of the Contract. Delivery Period shall be counted from the date of notification of award (Letter/Fax/e-mail of Intent).
- 31. Any efforts by a bidder to influence the owner/ in the owner bid evaluation, bid comparison or contract award decisions may result in the rejection of their bid.
- 32. ISSUE OF CONTRACT/ PURCHASE ORDER: After the successful bidder has been notified that his bid has been accepted, DAFFPL will send to such bidder a detailed contract/purchase order incorporating all the terms and conditions agreed between the parties. Within 05 days of receipt of the detailed purchase order, the bidder shall sign and return to the owner the duplicate copy of the order as a token of their acknowledgement.
- 33. Vigil Mechanism: DAFFPL has developed the Vigil Mechanism to deal with references/ grievances, if any, that is received from bidders who participated / intends to participate in the tender. The details of the

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same are available on our website www.daffpl.in

34. VERIFICATION BY OWNER: All statements submitted by bidder regarding experience, manpower availability, equipment and machinery availability etc., are subject to verification by the owner either before placement of order or after placement of order. If any data submitted by the bidder at the bid stage is found to be incorrect, the offer is liable to be rejected or the contract/order is liable to be terminated.

35. EVALUATION OF BIDS

- a. Qualification of Bidder: The experience details and financial & technical capabilities of the bidder(s) shall be examined to determine whether the bidder(s) meet the Bid Qualification Criteria mentioned in the INVITATION FOR BIDS (IFB).
- b. The Owner will examine the bids to determine whether they are complete & if they are free of any computational errors, whether the documents have been properly signed and whether the bids are generally in order.
- c. The bids without requisite Bid Security and/or not in the prescribed proforma will not be considered and bids of such bidder Bidder(s) shall be rejected.
- d. To assist in the examination, evaluation and comparison of technical bids, the owner/ may, at its discretion, ask the Bidder clarifications on the bid. The request for such clarifications and the response thereto shall be through the e-tendering portal.
- e. Prior to the evaluation and comparison of the bid, the owner will determine the substantial responsiveness of each bid to the bidding documents. For the purpose of this Article, a substantially responsive bid is one, which conforms to all the terms and conditions of the bidding document without material deviations or reservations. A material deviation or reservation is one which affects in any substantial way the scope, quality, or performance of the works or which limits in any substantial way, inconsistent with the bidding document, the DAFFPL's rights or Bidder's obligation under the contract and retention of which deviation or reservation would affect unfairly the competitive position of other bidders presenting substantially responsive bids. The owner's determination of bid responsiveness is to be based on the contents of the bid itself without recourse to the extrinsic evidence.
- f. A bid determined as substantially non-responsive after final

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evaluation will be rejected by the Owner and shall not subsequently be allowed by the Owner to be made responsive by the Bidder by correction of the non-conformity.

Note:

- 1) The Bid Shall be submitted in English Language Only
- 2) For any Document submitted in any language other than English, the translation copy in English language shall be submitted.

CHAPTER 3: BID-QUALIFICATION CRITERIA

Bidders need to meet following pre-qualification criteria to qualify for short-listing as a successful vendor for this tender;

> Technical Criteria:

The bidder shall have satisfactorily executed either of the following during the last 7 years ending 31/01/2022:

The Bidder should have completed at least **one similar work**, costing not less than **INR 96 Lakhs**.

OR

The Bidder should have completed at least **two similar works**, each costing not less than **INR 60 Lakhs**.

OR

The Bidder should have completed at least three similar works, each costing not less than INR 48 Lakhs.

Notes:

- a. Similar works means Mechanical Piping Works.
- b. Bidder should have successfully installed min. 8 Inch Fuel pipeline works in Hydrocarbon Industry in any of the last 7 years ending 31/01/2022.
- c. Bidder shall have constructed tank according to API 650.
- d. The copy of work orders and completion certificates/proof w.r.t. above criteria to be submitted along with bids.

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FINANCIAL CAPACITY

Bidder shall have minimum average annual turnover of **Rs. 100.00 Lakhs** as per audited financial results in the preceding three financial/calendar years. "Turnover shall mean Consolidated Turnover in case of a Bidder having wholly owned subsidiaries"

<u>Note</u>: Turnover for this purpose should be as per audited P&L statement including Balance Sheet/ Published Account/ Profit & Loss Account Statement of the tenderer. However, if the tenderer is not required to get its accounts audited under Section 44AB of the Income Tax Act, 1961, certificate from a practicing Chartered Accountant towards the turnover of the tenderer along with copies of its income tax return should be obtained.

Total revenue as per schedule III of companies' act, 2013 (earlier revised schedule VI of companies Act, 1956) shall be considered as Turnover. Audited balance sheet / published accounts on calendar year basis shall also be acceptable. The financial statements copy must bear the registration number of the authorised chartered accountant and its seal. (This is not applicable for published annual reports).

 Both the above criteria (Technical & Financial) to be met for acceptance of the bid.

OTHER INFORMATION OF BQC

- 1. Parties who are affiliates of one another can decide which affiliate will make a bid. Only one affiliate may submit a bid. Two or more affiliates are not permitted to make separate bids directly or indirectly. If 2 or more affiliates submit a bid, then any one or all of them are liable for disqualification. However up to 3 affiliates may make a joint bid as a consortium, and in which case the conditions applicable to a consortium shall apply to them. "Affiliate" of a Party shall mean any company or legal entity which:
 - a. Controls either directly or indirectly a Party, or
 - b. Which is controlled directly or indirectly by a Party; or
 - c. Is directly or indirectly controlled by a company, legal entity or Partnership which directly or indirectly controls a Party. "Control" means actual control or ownership of at least a 50% voting or other controlling interest that gives the power to direct, or cause the direction of, the management and material business decisions of

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the controlled entity.

- 2. Bids may be submitted by:
 - a. A single person/entity (called sole bidder):
 - A newly formed incorporated joint venture (JV) which has not completed 3 financial years from the date of commencement of business;
 - c. A consortium (including an unincorporated JV) having a maximum of 3 (three) members;
 - d. An Indian arm of a foreign company.
- 3. Fulfillment of Eligibility criteria and certain additional conditions in respect of each of the above 4 types of bidders are stated below, respectively:
 - a. The sole bidder (including an incorporated JV which has completed 3 financial years after date of commencement of business) shall fulfill each eligibility criteria.
 - b. In case the bidder is a newly formed and incorporated joint venture and which has not completed three financial years from the date of commencement of business, then either the said JV shall fulfill each eligibility criteria or any one constituent member/ promoter of such a JV shall fulfill each eligibility criteria. If the bid is received with the proposal that one constituent member/ promoter fulfils each eligibility criteria, then this member/promoter shall be clearly identified and he/it shall assume all obligations under the contract and provide such comfort letter/guarantees as may be required by Owner. The guarantees shall cover inter alia the commitment of the member/ promoter to complete the entire work in all respects and in a timely fashion, being bound by all the obligations under the contract, an undertaking to provide all necessary technical and financial support to the JV to ensure completion of the contract when awarded, an undertaking not to withdraw from the JV till completion of the work, etc.
 - c. In case the bidder(s) is/are a consortium (including an unincorporated JV), then the following conditions shall apply:
 - I. Each member in a consortium may only be a legal entity and not an individual person;
 - II. The Bid shall specifically identify and describe each member of the consortium:
 - III. the consortium member descriptions shall indicate what type of legal entity the member is and its jurisdiction of incorporation (or of establishment as a legal entity other than as a corporation) and provide evidence by a copy of the articles of incorporation (or equivalent documents);
 - IV. One participant member of the consortium shall be

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- identified as the "Prime member" and contracting entity for the consortium:
- V. This prime member shall be solely responsible for all aspects of the Bid/ Proposal including the execution of all tasks and performance of all consortium obligations;
- VI. The prime member shall fulfill each eligibility criteria;
- VII. a commitment shall be given from each of the consortium members in the form of a letter signed by a duly authorized officer clearly identifying the role of the member in the Bid and the member's commitment to perform all relevant tasks and obligations in support of the
- VIII. Prime/lead member of the Consortium and a commitment not to withdraw from the consortium:
 - IX. No change shall be permitted in the number, nature or share holding pattern of the Consortium members after prequalification, without the prior written permission of the Owner.
 - X. No change in project plans, timetables or pricing will be permitted as a consequence of any withdrawal or failure to perform by a consortium member;
 - XI. Entities which are affiliates of one another are allowed to bid either as a sole bidder or as a consortium only;
- XII. Any person or entity can bid either singly or as a member of only one consortium.
- d. In case the bidder is an Indian arm (subsidiary, authorized agent, branch office or affiliate) of a foreign bidder, then the foreign bidder shall have to full fill each eligibility criteria. If such foreign company desires that the contract be entered into with the Indian arm, then a proper back to back continuing (parent company) guarantee shall be provided by the foreign company clearly stating that in case of any failure of any supply or performance of the equipment, machinery, material or plant or completion of the work in all respects and as per the warranties/ guarantees that may have been given, then the foreign company shall assume all obligations under the contract. Towards this purpose, it shall provide such comfort letter/guarantees as may be required by Owner. The guarantees shall cover inter alia the commitment of the foreign company to complete the entire work in all respects and in a timely fashion, being bound by all the obligations under the contract, an undertaking to provide all necessary technical and financial support to the Indian arm or to render the same

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themselves so as to ensure completion of the contract when awarded, an undertaking not to withdraw from the contract till completion of the work, etc.

CHAPTER 4: PERFORMANCE OF WORK

1. EXECUTION OF WORKS:

- a. All the works shall be executed in strict conformity with the provisions of the contract documents and with such explanatory detailed drawings, specifications, and instructions as may be. The contractor shall be responsible for ensuring that works throughout are executed in the most substantial, proper and workman like manner with the quality of material and workmanship in strict accordance with the specifications following all safety requirements and to the entire satisfaction of the DAFFPL.
- b. Wherever it is mentioned in the specifications that the Contractor shall perform certain work or provide certain facilities/materials, it is understood that the contractor shall do, so at his cost unless otherwise specified.
- c. The materials, design and workmanship shall satisfy the relevant Indian Standards, the Job specification contained herein and codes referred to. Where the job specification stipulate requirements in addition to those contained in the standards codes and specifications, these additional requirements shall also be satisfied.

2. MATERIALS TO BE SUPPLIED BY CONTRACTOR:

- a. The contractor shall procure and provide the whole of the materials required to complete the job including tools, tackles and equipment etc. The materials procured by the contractor shall be DAFFPL approved/specified quality.
- b. All materials procured/used should meet the specifications given in the tender document. The Engineer-in-Charge may, at his discretion, ask for samples and test certificates for any batch of any material. Before procuring, the contractor should get the approval of Engineer-in-Charge for any material to be used for the works.
- c. Manufacturer's certificate shall be submitted for all materials supplied by the contractor. If, however, in the opinion of the Engineer-in-Charge any tests are required to be conducted on the materials supplied by the contractor, these will be arranged by the contractor promptly at his own cost.

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3. EXECUTION OF WORKS:

- a. All the works shall be executed in strict conformity with the provisions of the contract documents and with such explanatory detailed drawings, specifications, and instructions as may be furnished from time to time to the contractor by the Engineer-in-Charge whether mentioned in the contract or not. The contractor shall be responsible for ensuring that works throughout are executed in the most substantial, proper and workman like manner with the quality of material and workmanship in strict accordance with the specifications following all safety requirements of DAFFPL and as stipulated in work permits as per the directions and to the entire satisfaction of the Engineer-in-Charge.
- b. Wherever it is mentioned in the specifications that the Contractor shall perform certain work or provide certain facilities/materials, it is understood that the contractor shall do, so at his cost unless otherwise specified.
- c. The materials, design and workmanship shall satisfy the relevant Indian Standards, the Job specification contained herein and codes referred to. Where the job specification stipulate requirements in addition to those contained in the standards codes and specifications, these additional requirements shall also be satisfied.

4. COORDINATION AND INSPECTION OF WORK:

The coordination and inspection of the day-to-day work under the contract shall be the responsibility of the Engineer-in-Charge. The written instructions regarding any particular job will be normally be passed by the Engineer-in-Charge or his authorized representative. A work order book / logbook will be maintained by the Contractor for each job in which the aforesaid written instructions will be entered. These will be signed by the contractor or his authorized representative by way of acknowledgment within 12 hours. The non-maintaining of the order book or non-signing by the contractor shall not preclude the contractor from complying with the instructions.

5. WORK IN MONSOON AND DEWATERING:

a. The completion of the work may entail working in the monsoon also. The contractor must maintain a minimum labour force as may be required for the job and plan and execute the construction and erection according to the prescribed schedule. No extra rate will be considered for such work in monsoon.

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b. During monsoon and other period, it shall be the responsibility of the contractor to keep the construction work site free from water at his own cost.

6. WORK ON SUNDAYS AND HOLIDAYS:

For carrying out work on Sundays and Holidays if needed, the contractor will approach the Engineer-in-Charge or his representative at least two days in advance and obtain permission in writing. No special compensation on this account will be payable.

7. GENERAL CONDITIONS FOR CONSTRUCTION AND ERECTION WORK:

- a. Place of Work: The work has to be executed at specified premises as per the tender. Contractor should apprise himself of all the conditions prevailing in such location and the restrictions placed on movement of personnel and equipment, types of equipment and tools permitted, working methods allowed etc. in the light of security and safety regulations operative in the area. The safety regulations to be complied with, by the contractor will also be provided along with the tender. No idle time wages or compensation for temporary stoppage of work or restrictions would be paid, and the rate quoted for the various items of work should cover the cost of all such contingencies and eventualities. Substantial structures and utilities exist both above around and underground, adjacent to the work site. (The construction activity gets restrained by the existence of such structures and utilities). Special care is necessary in transportation, storage, working on equipment's and other construction activities to protect the existing features and prevent damage to any facility. Necessary protective structures barricades etc. have to be erected at various places as directed by Engineerin-Charge. No extra payment of such protective works will be made unless specially provided in the tender.
- b. The working time or the time of work is 48 hours per week normally. Overtime work is permitted in cases of need and the Owner will not compensate the same. Shift working at 2 or 3 shifts per day may become necessary and the contractor should take this aspect into consideration for formulating his rates for quotation. No extra claims will be entertained by the Owner on this account.
- c. The contractor must arrange for the placement of workers in such a way that the delayed completing of the work or any part thereof for any reasons whatsoever will not affect their proper employment.

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The Owner will not entertain any claim for idle time payment whatsoever.

d. The contractor shall submit to the Owner reports at regular intervals regarding the state and progress of work. The details and preforma of the report will mutually be agreed after the award of contract.

8. DRAWINGS TO BE SUPPLIED BY THE OWNER:

- a. Where drawings are attached with tender, these shall be for the general guidance of the contractor to enable him to visualize the type of work contemplated and scope of work involved. The contractor will be deemed to have studied the drawings and formed an idea about the work involved.
- b. Detailed working drawings on the basis of which actual execution of the work is to proceed will be furnished from time to time during the progress of the work. The contractor shall be deemed to have gone through the drawings supplied to him thoroughly and carefully and in conjunction with all other connected drawings and bring to the notice of the Engineer-in-Charge, discrepancies, if any, therein before actually carrying out the work.
- c. Copies of all detailed working drawings relating to the works shall be kept at the contractor's office of the site and shall be made available to the Engineer-in-Charge at any time during the contract. The drawings and other documents issued by the Owner shall be returned to the Owner on completion of the works.

9. SETTING OUT WORKS:

- a. The Engineer-in-Charge shall furnish the contractor with only the four corners of the work site and a level bench mark and the contractor shall set out the works and shall provide efficient staff for the purpose and shall be solely responsible for the accuracy of such setting out.
- b. The contractor shall provide, fix and be responsible for the maintenance of all stacks, templates, level marks, profiles and other similar things and shall take all necessary precaution to prevent their removal or disturbance and shall be responsible for the consequence of such removal or disturbance should the same take place and for their efficient and timely reinstatement. The contractor shall also be responsible for the maintenance of all existing survey marks, boundary marks, distance marks and centre line marks, either existing or supplied and fixed by the contractor. The, work shall be set out to the satisfaction of the Engineer-in-

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Charge. The approval thereof or joining in setting out the work shall not relieve the contractor of any of his responsibilities.

- c. Before beginning the works, the contractor shall at his own cost, provide all necessary reference and level posts, pegs, bamboos, flags, ranging rods, strings and other materials for proper layout of the work in accordance with the scheme, for bearing marks acceptable to the Engineer-in-Charge. The centre, longitudinal or face lines and cross lines shall be marked by means of small masonry pillars. Each pillar shall have distinct marks at the centre to enable theodolite to be set over it. No work shall be started until all these points are checked and approved by the Engineer-in-Charge in writing but such approval shall not relieve the contractor of any of his responsibilities. The contractor shall also provide all labour, material and other facilities, as necessary, for the proper checking of layout and inspection of the points during construction.
- d. Pillars bearing geodetic marks located at the site of work under construction should be protected and fenced by the contractor.
- e. On completion of works, the contractor must submit the geodetic documents according to which the work was carried out.

10. RESPONSIBILITY FOR LEVEL AND ALIGNMENT:

The contractor shall be entirely and exclusively responsible for the horizontal and vertical alignment, the levels and correctness of every part of the work and shall rectify effectually any errors or imperfections therein. Such rectifications shall be carried out by the contractor, at his own cost, when instructions are issued to that effect by the Engineer-in-Charge.

11. MATERIALS TO BE SUPPLIED BY CONTRACTOR:

- d. The contractor shall procure and provide the whole of the materials required for construction including tools, tackles, construction plant and equipment for the completion and maintenance of the works except the materials which will be issued by Owner and shall make his own arrangement for procuring such materials and for the transport thereof. The materials procured by the contractor shall be DAFFPL approved/specified quality.
- e. All materials procured should meet the specifications given in the tender document. The Engineer-in-Charge may, at his discretion, ask for samples and test certificates for any batch of any material procured. Before procuring, the contractor should get the approval of Engineer-in-Charge for any material to be used for the works.
- f. Manufacturer's certificate shall be submitted for all materials supplied by the contractor. If, however, in the opinion of the

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Engineer-in-Charge any tests are required to be conducted on the materials supplied by the contractor, these will be arranged by the contractor promptly at his own cost.

12. MATERIALS SUPPLIED BY OWNER:

- a. If the specifications of the work provides for the use of any materials of special description to be supplied from the Owner's stores, price for such material to be charged therefore as herein after mentioned being so far as practicable for the convenience of the contractor but not so as in any way to control the meaning or effect of the contract. The contractor shall be bound to purchase and shall be supplied such materials as are from time to time required to be used by him for the purpose of the contract only. The sums due from the contractor for the value of the actual materials supplied by the Owner will be recovered from the running account bill on the basis of the actual consumption of materials in the work covered and for which the running account bill has been prepared. After the completion of the works, however, the contractor has to account for the full quantity of materials supplied to him as per relevant clauses in this document.
- b. The value of the materials as may be supplied to the contractor by the Owner will be debited to the contractor's account at the rates shown in the schedule of chargeable materials and if they are not entered in the schedule, they will be debited at cost price, which for the purpose of the contract shall include the cost of carriage and all other expenses whatsoever such as normal storage supervision charges which shall have been incurred in obtaining the same at the Owner's stores. All materials so supplied to the contractor shall remain the absolute property of the Owner and shall not be removed on any account from the site of the work, and shall be at all times open for inspection to the Engineer-in-Charge. Any such materials remaining unused at the time of completion or termination of the contract shall be returned to the Owner's stores or at a place as directed by the Engineer-in- Charge in perfectly good condition, at contractor's cost.

13. CONDITIONS FOR ISSUE OF MATERIALS:

a. Materials specified to be issued by the Owner will be supplied to the contractor by the Owner from his stores/location. It shall be the responsibility of the contractor to take delivery of the materials and arrange for its loading, transport and unloading at the site of work at

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- his own cost. The materials shall be issued between the working hours and as per the rules of the Owner framed from time to time.
- b. The contractor shall bear all incidental charges for the storage and safe custody of materials at site after these have been issued to him.
- c. Materials specified to be issued by the Owner shall be issued in standard sizes as obtained from the manufacturer.
- d. The contractor shall construct suitable godown at the site of work for storing the materials safe against damage by rain, dampness, fire, theft etc. He shall also employ necessary watch and ward establishment for the purpose.
- e. It shall be duty of the contractor to inspect the material supplied to him at the time of taking delivery/bidding for these works and satisfy himself that they are in good condition. After the materials have been delivered by the Owner, it shall be the responsibility of the contractor to keep them in good condition and if the materials are damaged or lost, at any time, they shall be repaired and/ or replaced by him at his own cost, according to the directions of the Engineer-in-Charge.
- f. The Owner shall not be liable for delay in supply or non-supply of any materials which the Owner has undertaken to supply where such failure or delay is due to natural calamities, act of enemies, transport and procurement difficulties and any circumstances beyond the control of the Owner. In no case, the contractor shall be entitled to claim any compensation or loss suffered by him on this account.
- g. It shall be the responsibility of the contractor to arrange in time all materials required for the works other than those to be supplied by the Owner. If, however, in the opinion of the Engineer-in-Charge the execution of the work is likely to be delayed due to the contractor's inability to make arrangements for supply of materials which normally he has to arrange for, the Engineer-in-Charge shall have the right, at his own discretion, to Issue such materials If available with the Owner or procure the materials from the market or elsewhere and the contractor will be bound to take such materials at the rates decided by the Engineer-in-Charge. This, however, does not in any way absolve the contractor from responsibility of making arrangements for the supply of such materials in part or in full, should such a situation occur, nor shall this, constitute a reason for the delay in the execution of the work.
- h. None of the materials supplied to the contractor will be utilized by the contractor for manufacturing item, which can be obtained from standard manufacturer in finished form.

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- i. The contractor shall, if desired by the Engineer-in-Charge, be required to execute an indemnity bond for safe custody and accounting of all materials issued by the Owner.
- j. The contractor shall furnish to the Engineer-in-Charge sufficiently in advance a statement showing his requirements of the quantities of the materials to be supplied by the Owner and the time when the same will be required by him for the works, so as to enable the Engineer-in-Charge to make necessary arrangement for procurement and supply of the material.
- k. A daily account of the materials issued by the Owner shall be maintained by the contractor indicating the daily receipt, consumption and balance in hand. This account shall be maintained in a manner prescribed by the Engineer-in-Charge along with all connected papers viz. requisition, issues etc. and shall be always available for inspection in the contractor's office at site.
- I. The contractor should see that only the required quantities of materials are got issued. The contractor shall not be entitled to cartage and incidental charges for returning the surplus materials, if any, to the stores/location where from they were issued or to the place as directed by the Engineer-in-Charge.
- m. Materials/ Equipment supplied by Owner shall not be utilized for any other purpose(s) than issued for.

14. MATERIALS PROCURED WITH ASSISTANCE OF OWNER:

Notwithstanding anything contained to the contrary in any or all the clause of this document where any materials for the execution of the contract are procured with the assistance of Owner either by issue from Owner's stock or purchase made under orders or permits or licences issued by Government, the contractor shall hold the said materials as trustee for the Owner and use such materials economically and solely for the purpose of the contract and not dispose them off without the permission of the owner and return, if required by the Engineer-in-Charge, all surplus or unserviceable materials that may be left with him after the completion of the contract or at its termination for any reason, whatsoever on his being paid or credited such prices as the Engineer in-Charge shall determine having due regard to the condition of the materials. The price allowed to the contractor however, shall not exceed the amount charged to him excluding the storage charges if any. The decision of the Engineerin-Charge shall be final and conclusive in such matters. In the event of breach of the aforesaid condition, the contractor shall in terms of the licenses or permits, and/or for criminal breach of trust, be liable to compensate the Owner a double rate or high rate, in the event of those



materials at that time having higher rate or not being available in the market, then any other rate to be determined by the Engineer-in-Charge and his decision shall be final and conclusive.

15. MATERIALS OBTAINED FROM DISMANTLING:

If the contractor in the course of execution of the work is called upon to dismantle any part for reasons other than those stipulated in clauses 64 & 68 hereunder, the materials obtained in the work of dismantling etc. will be considered as the Owner's property and will be disposed off to the best advantage of the Owner.

16. ARTICLES OF VALUE FOUND:

All gold, silver and other materials, of any description and all precious stones, coins, treasure relies, antiquities and other similar things which shall be found in, under or upon the site, shall be property of the Owner and the contractor shall duly preserve the same to the satisfaction of the Engineer-in-Charge and shall from time to time deliver the same to such person or person indicated by the Owner.

17. DISCREPANCIES BETWEEN INSTRUCTIONS:

Should any discrepancy occur between the various instructions furnished to the contractor, his agents or staff or any doubt, arise as to the meaning of any such instructions or should there be any misunderstanding between the contractor's staff and the Engineer-in-Charge's staff, the contractor shall refer the matter immediately in writing to the Engineer-in-Charge whose decision thereon shall be final and conclusive and no claim for losses alleged to have been caused by such discrepancies between instructions, or doubts, or misunderstanding shall in any event be admissible.

18. ALTERATIONS IN SPECIFICATIONS AND DESIGNS AND EXTRA WORK:

a. The Engineer-in-Charge shall have power to make any alterations in, omissions from, additions to of substitutions for, the schedule of rates, the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work and the contractor shall be bound to carry out such altered / extra / new items of work in accordance with any instructions which may be given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or 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 part of the work

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shall be carried out by the contractor on the same conditions in all respect on which he agree to do the main work. The time for completion of work may be extended for the part of the particular job at the discretions of the Engineer-in-Charge, for only such alteration, additions or substitutions of the work, as he may consider as just and reasonable. The rates for such additional, altered or substituted work under this clause shall be worked out in accordance with the following provisions:

- If the rates 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 rates as are specified in the contract.
- If the rates for the additional, altered or substituted work are not specifically provided in the contract for the work, the rates will be derived from the rates for similar class of works as specified in the contract for the work. The opinion of the Engineer-in-Charge as to whether the rates can be reasonably so derived from items in the contracts will be final and binding on the contractor.
- If the rates for the altered, additional or substituted work cannot be determined in the manner specified in sub-clause (a) and (b) above, then the contractor shall inform the Engineer-in-Charge of the rate which is his intension to charge for such class of work supported by analysis of the rate or rates claimed, and the Engineer-in-Charge shall determine the rates on the basis of the prevailing market rates of materials, labour cost at schedule of labour plus 10% to cover contractor's supervision, overheads and profit and pay the contractor accordingly. The opinion of the Engineer-in-Charge as to the current market rates of materials and the quantum of labour involved per unit of measurement will be final and binding on the contractor.
- Provisions, contained in sub-clause mentioned above shall not, however, apply: Where the value of alterations / additions / deletions or substitutions exceeds beyond plus or minus 25% of the estimated contract value (i.e. quoted item rates of contractor shall hold good for variations etc. within plus or minus 25% of estimated contract value)
- b. In the event and as a result of such alternatives / additions / substitutions / deletion, the scope of contract work exceed the value stipulated in the contract by more than the limits given in clause

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above, the Contractor shall claim revision of the rates supported by the proper analysis in respect of such items for quantities in excess of the above limits, notwithstanding the fact that the rates for such items exist in the tender for the main work or can be derived in accordance with the provision of sub-clause (b) of Clause 61 A, and the Engineer-in-Charge may revise their rates having regard to the prevailing market rates, and the contractor shall be paid in accordance with the rates so fixed. But, under no circumstances the contractor shall suspend / stop / slowdown the work on the plea of non-settlement of rates of items falling under this clause.

19. ACTION WHERE NO SPECIFICATIONS ISSUED:

In case of any class of work for which there is no such specification given by the Owner in the tender documents, such work shall be carried out in accordance with Indian Standard Specifications and if the Indian Standard Specifications do not cover the same the work should be carried out as per standard Engineering Practice subject to the approval of the Engineer-in-Charge.

20. ABNORMAL RATES:

The contractor is expected to quote rate for each item after analysis of cost involved for the completion of item/work, considering all specifications and conditions of contract. This will avoid loss of profit or gain, in case of curtailment or change of specification for any item. In case it is noticed that the rates for any item, quoted by the tenderer unusually are high or unusually low it will be sufficient cause for the rejection of the tender unless the Owner is convinced about the reasonableness of the rates on scrutiny of the analysis for such rate to be furnished by the tenderer on demand.

21. INSPECTION OF WORK:

a. The Engineer-in-Charge will have full power and authority to inspect the works at any time wherever in progress either on the Site or at the contractor's premises / workshop where situated premises /workshops of any person, firm or corporation where work in connect with the contract may be in hand or where materials are being or are to be supplied, and the contractor shall afford or procure for the Engineer-in-Charge every facility and assistance to carry out such Inspection. The contractor shall at all time during the usual working hours and at all other time for which reasonable notice of the intention of the Engineer in-Charge or his representative to visit the works have been given to the contractor,

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either himself be present to receive order and instructions or post a responsible agent duly accredited in writing for the purpose. Orders given to the contractor's agent shall be considered to have the same force as if they had been given to the contractor himself. The contractor shall give not less than seven days, notice in writing to the Engineer-in-Charge before covering up or placing any work beyond reach of inspection and measurement any work in order that the same may be inspected and measured. In the event of breach of above the same shall be uncovered at contractor's expense carrying out such measurement or inspection.

b. No materials shall be dispatched by the contractor before obtaining the approval of Engineer-in-Charge in writing. The contractor is to provide at all times during the progress of the work and the maintenance period, proper means of access with ladders, gangways, etc. and the necessary attendance to move and adopt as directed for inspection or measurement of the works by the Engine in-Charge.

22. ASSISTANCE TO THE ENGINEERS:

The contractor shall make available to the Engineer-in-Charge, free of cost necessary instruments and assistance in checking of setting out of works and taking measurement of work.

23. TESTS FOR QUALITY OF WORKS:

- a. All workmanship shall be of the respective kinds described in the contract documents and in accordance with the instructions of the Engineer-in-Charge and shall be subjected from time to time to such test at contractor's cost as the Engineer-in-Charge may direct at place of manufacture or fabrication or on the site or at all or any such places. The contractor shall provide assistance, instruments, labour and materials as are normally required for examining, measuring and testing any workmanship as may be selected and required the Engineer-in-Charge.
- b. All the tests necessary in connection with the execution of the work as decided by Engineer-in-Charge shall be carried out at the field testing laboratory of the Owner by paying the charges as decided by the Owner from time to time. In case of non-availability of test facility with the Owner, the required test shall be carried out at the cost of contractor at government or any other testing laboratory as directed by Engineer-in-Charge.
- c. If any tests are required to be carried out in connection with the work or materials workmanship not supplied by the contractor, such

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tests shall be carried out by the contractor as per the instructions of Engineer-in-Charge and cost of such tests shall be reimbursed by the Owner.

24. SAMPLES:

The contractor shall furnish to the Engineer-in-Charge for approval when requested or if required by the specifications, adequate samples of all materials and finishes to be used in the work. Such samples shall be submitted before the work is commenced and in ample time to permit tests and examinations thereof. All materials furnished and finishing applied in actual work shall be fully identical to the approval samples.

25. ACTION AND COMPENSATION IN CASE OF BAD WORK:

If it shall appear to the Engineer-in-Charge that any work has been executed with unsound, imperfect or unskilled workmanship or with materials of any inferior description, or that any materials or articles provided by the contractor for the execution of the work are unsound or of a quality inferior to that contracted for, or otherwise not in accordance with the contract, the contractor shall on demand in writing from the Engineer-in-Charge or his authorized representative, specifying the work, materials or articles complained of, notwithstanding that the same have been inadvertently passed, certified and paid for forthwith shall rectify or remove and reconstruct the works specified and provide other proper and suitable materials or articles at his own charge and cost, and in the event of failure to do so within a period to be specified by the Engineer-in-Charge in his demand aforesaid, the contractor shall be liable to pay compensation at the rate of 0.5% of the estimated cost of the whole work, for every week limited to a maximum of 10% of the estimated cost of the whole work, while his failure to do so shall continue and in the case of any such failure the Engineer-in-Charge may on expiry of notice period rectify or remove and re-execute the work or remove and replace with others, the materials or articles complained of as the case may be at the risk and expenses of the contractors in all respects. The decision of the Engineer-in-Charge as to any question arising under this clause shall be final and conclusive.

26. SUSPENSION OF WORKS:

The contractor shall, if ordered in writing by the Engineer-in-Charge or his representative, temporarily suspend the works or any part thereof for such period and such time as so ordered and shall not, after receiving such written order, proceed with the work therein ordered to be suspended, until he shall have received a written order to proceed therewith. The

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contractor shall not be entitled to claim/ compensation for any loss or damage sustained by him by reason of temporary suspension of the works aforesaid. An extension of time for completion, corresponding with the delay caused by any such suspension of the works as aforesaid will be granted to the contractor, should he apply for the same, provided that suspension was not consequent to any default or failure on the part of the contractor.

27. OWNER MAY DO PART OF WORK:

Upon failure of the contractor to comply with any instructions given in accordance with the provisions of the contract, the owner has the alternative right, instead of assuming charge for entire work to place additional labour force, tools, equipments and materials on such parts of the work, as the owner may designate or also engage another contractor to carry out the work. In such cases, the owner shall deduct from the amount which otherwise might become due to the contractor, the cost of such work and materials with ten percent added to cover all departmental charges and should the total amount thereof exceed the amount due to the contractor, the contractor shall pay the difference to the owner.

28. POSSESSION PRIOR TO COMPLETION:

The Engineer-in-Charge shall have the right to take possession of or use any completed or partially completed work or part of the work. Such possessions or use shall not be deemed to be an acceptance of any work completed in accordance with the contract agreement. If such prior possession or use by the Engineer-in-Charge delays the progress of work, suitable adjustment in the time of completion will made and contract agreement shall be deemed to be modified accordingly.

29. PERIOD OF LIABILITY FROM THE DATE OF COMPLETION OF WORK:

a. The contractor shall guarantee the installation/site work for a period of 12 (twelve) Months from the date of completion of work, unless otherwise specified. Any damage that may lie undiscovered at the time of issue of completion certificate, connected in any way with the equipment or materials supplied by him or in the workmanship shall be rectified or replaced by the contractor at his own expense as deemed necessary by the Engineer-in-Charge or in default, the Engineer-in-Charge may cause the same made good by other workmen and deduct expenses (for which the certificate of Engineer-in-Charge shall be final) from any sums that may be then

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- or at any time thereafter, become due to the contractor or from his security deposit.
- b. If the contractor feels that any variation in work or in quality of materials or proportions would be beneficial or necessary to fulfill the guarantee called for, he shall bring this to the notice of the Engineer-in-Charge in writing. The work will not be considered as complete and taken over by the Owner until all the temporary works etc., constructed by the contractor is removed and work site cleaned to the satisfaction of Engineer-in-Charge.
- c. Care of Works:
 - From the commencement to completion of works, the contractor shall take full responsibility for the care of all works including all temporary works, and in case any damage, loss or injury happens to the works or to any part thereof or to any temporary work, from any cause whatsoever, he shall at own cost repair and make good the same, so that at completion, the work shall be in good order and in conformity in every respect with the requirements of the contract and the Engineer-in-Charge's instructions.
- d. Effects prior to taking over: If at any time, before the work is taken over, the Engineer-in-Charge shall
 - Decide that any work done or materials used by the contractor or any sub-contractor is defective or not in accordance with the contract or that the works or any portion thereof are defective or do not fulfill the requirements of contract (all such matters being herein after called 'Defects' in this clause) and
 - As soon as reasonably practicable, notice given to the contractor in writing of the said decisions specifying particulars of the defects alleged to exist or to have occurred, then the contractor shall at his own expenses and with all speed make good the defects so specified. In the case contractor shall fail to do so, the Owner may take, at the cost of the contractor, such steps as may in all circumstances, be reasonable to make good such defects. The expenditure, so incurred by the Owner shall be recovered from the amount due to the contractor. The decision of the Engineer-in-Charge with regard to the amount be recovered from the contractor will be final and binding on the contractor. As soon as the works have been completed in accordance with the contract and have passed the tests on completion, the Engineer-in-Charge shall issue a certificate (hereinafter called completion certificate) in which he shall certify the date on

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which the work have been so completed and have passed the said tests and the Owner shall be deemed to have taken over the works on the date so certified. If the works have been divided into various groups in the contract, the Owner shall be entitled to take over any group or groups before the other or others and thereupon the Engineer-in-Charge shall issue a completion certificate which will however, be for such group or groups as taken over only.

- e. Defects after taking over: In order that the contractor could obtain a completion certificate, he shall make good with all possible speed, any defect arising from the defective materials supplied by the Contractor or workmanship or any act of omission of the contract that may have been noticed or developed after the works or group of the works has been taken over. The period allowed for carrying out such work will be normally one month. If any defect be not remedied within a reasonable time, the Owner may proceed to do the work at the contractor's risk and expense and deduct from the final bill such amount as may be decided by the Owner. If by reason of any default on the part of the contractor a completion certificate has not been issued in respect of every portion of the work within one month after the date fixed by the contract for the completion of the works, the Owner shall be at his liberty to use the works or any portion thereof in respect of which a completion certificate has been issued provided that the works or the portion thereof so used as aforesaid shall be afforded reasonable opportunity for completing these works for the issue of completion certificate.
- f. The Security Deposit/retention money deducted / furnished shall be retained for the period of liability as given in clause above. This Retention amount or Bank Guarantee furnished against Security Deposit/retention money shall be released only on expiry of the period of liability and also based on the certification of the Engineer-in-charge that no defect/damage has been reported / observed during the stipulated period of liability for the contract.
- g. Performance of contractor shall be evaluated on each job by Engineer-in-Charge and recorded. Review of performance will be carried out at appropriate intervals by DAFFPL.

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CHAPTER 5: SCOPE OF WORK:

Detailed scope of work along with work procedures & other documents are attached with this tender as annexures as follows;

Annexure A: Scope of Work

Annexure B: Work Procedure for Hydro Test of Tanks
Annexure C: Work Procedure for Hydro Test of Pipeline

Annexure D: Work Procedure for Soak Test & Flushing of Pipeline

Annexure E: Makes List Annexure F: Drawings

CHAPTER 6: GENERAL TERMS & CONDITIONS

1. General:

The materials and workmanship shall satisfy the relevant Indian Standards, the job specifications contained herein & codes referred to. Where the job specifications stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied.

In the absence of any standard / specification / codes of practice for detailed specifications covering any part of the work covered in this tender document, the instruction / direction of consultant engineer will be binding on the contractor.

Wherever it is stated in this tender document that a particular supply is to be affected or that a particular work is to be carried out, it shall be understood that the same shall be affected / carried out by the contractor at his cost, unless a different intention is specifically and expressly stated herein or otherwise explicit from the context.

2. DAFFPL reserves the right to accept any tender in whole and reject any or all tenders without assigning any reason. DAFFPL also reserves the right to allow public enterprises (Central/State) Price / purchase /contract / service preference as admissible under the Indian Government Policy.

3. Construction Program:

A detailed bar chart showing various activities shall be prepared by the tenderers. The work shall be executed strictly as per the agreed time schedule. The period of completion shall include, the time required for mobilization and testing as well as rectification, if any, testing &

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completion in all respects to the entire satisfaction of the consultant.

A joint programme of execution programme shall be prepared by the contractor.

Monthly / weekly construction programme shall be made by the contractor. The contractor shall scrupulously adhere to these targets / programme by deploying adequate personal and construction tools and tackles. He shall also supply all materials in his scope of supply in time to achieve the targets set out in the weekly and the monthly programme.

The contractor shall give every day, a report on labour and equipment deployed along with the progress of the work done on previous day, for each category of work.

Contractor shall intimate the fuel farm operator, EIC & DAFFPL a month in advance about their plans to take shutdown of any facility/equipment/tank etc. inside the fuel farm. Mutual consensus about availability of tanks would be decided & agreed upon before commencement of works. The schedule of availability of tanks is subject to change and the decision of EIC shall prevail.

In case of any delay in handover of any facility as per approved / mutually agreed plan to the contractor by the Fuel Farm Operator/DAFFPL, the delay period shall be added to the delivery period of this contract. The decision of EIC shall be binding on the contractor.

4. Construction Water and Power:

- ✓ The contractor has to make necessary arrangement for metering and further distribution for power required for job at no extra cost. All arrangement/material shall be as per electrical rules/standards/Approved makes.
- ✓ Electricity will be provided by DAFFPL @ Rs. 18.00 per unit plus tax.
- ✓ Water will be provided at a point inside the terminal and the contractor then has to be make subsequent arrangements at no extra cost.
- ✓ Tariffs are subjected to change as per government revisions.
- ✓ The DAFFPL shall not take any guarantee for the supply of water & electricity and will not relieve the contractor of his responsibility in making his own arrangement and for the timely completion of the various works as stipulated.

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5. Safety Rules and Regulations:

All Safety rules and regulations of the terminal operator have to be followed by the contractor without fail. If any damage occurs due to negligence of safety, contractor will be held responsible for the same.

6. Tests and Inspection:

The contractor shall carry out the various tests as enumerated in the technical specifications of this tender document and the technical documents that will be furnished to him during the performance of the work. No separate payment shall be made.

The contractor shall carry out at his cost, all the tests either on the field or through external institutions / laboratories, concerning the execution of the work and supply of materials by the contractor.

Any work not conforming to the execution drawings, specifications or codes shall be rejected forthwith and the contractor shall carry out the rectification at this own cost. Results of all inspection & tests shall be recorded in the inspection reports, test reports, etc., which will be approved by the Engineer-in-charge. These reports shall form part of the completion documents.

Inspection & Acceptance of works shall not relieve the contractor from any of his responsibilities under this contract.

7. Site Cleaning:

The contractor shall take care to clean the working site from time to time for easy access to work site and for safety. Working site should be always kept cleared to the entire satisfaction of DAFFPL.

Before handing over any work to the owner, the contractor in addition to other formalities to be observed as detailed in the document shall clear the site to the entire satisfaction of DAFFPL.

8. Coordination with other Agencies:

Work shall be carried out in such a manner that the work of other agencies operating at the site is not hampered due to any action of the contractor. Proper coordination with other agencies will be the responsibility of the contractor. In case of any dispute, the decision of Engineer-in-charge shall be final and binding on the contractor.

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9. DAFFPL reserves the right to accept any tender in whole and reject any or all tenders without assigning any reason. DAFFPL also reserves the right to allow public enterprises (Central/State) Price / purchase /contract / service preference as admissible under the Indian Government Policy.

10. BID PRICES:

- a) Prices shall be furnished strictly in the Price Bid format of the tender document.
- b) Bidder should quote their lowest and best offered price. Prices so quoted will remain firm till satisfactory completion of order. The price will not be subjected to escalation for any reason whatsoever.
- c) Bidders quoted prices shall be deemed to include entire Specification of item and all obligations and responsibilities to be carried out / executed by the Bidder as per terms of tender document. It is clearly understood by the Vendor that it is for the Vendor to ascertain and assess the applicable Acts/ Regulations/ Laws etc., entirely of their own. It is also for the Vendor to ascertain and assess the applicability of taxes, duties, levies etc. In case of any difference of opinion between Vendor's proposal and interpretation by any tax/assessing (or similar) authorities, on the rate or terms and conditions related to taxes and duties etc., owner's liability shall be strictly as per terms/provisions of the contract based on tender document and Vendors offer.
- d) No other charges accept those mentioned in the tender document will be payable to vendor.
- 11. Materials are required to be dispatched by the vendor to the locations, on freight paid DOOR- DELIVERY CONSIGNEE COPY ATTACHED basis along with copies of Inspection release note & internal test certificates & other documents as mentioned elsewhere in this tender document.
- 12. Bidder shall quote considering the cost of all approvals, insurances and other applicable charges; nothing shall be paid/reimbursed additionally on any account.
- 13. Goods & Services Tax (GST): -The tenderer should have valid Goods & Service Tax registration. Tenderer should enclose the copy of the registration (GST) /copy of acknowledgement along with the tender. The Parties without valid Goods & Service Tax number need not quote. As per Section 171 of CGST/SGST Act, "Any reduction in rate of tax on any supply of goods or services or the benefit of input tax credit shall

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be passed on to the recipient by way of commensurate reduction in prices.

14. TAXES & DUTIES:

- a) Bidder(s) quoted prices shall be exclusive of all taxes, duties, cess, levies etc.,
- b) The invoice should clearly mention that applicable Excise Duty, Education Cess or any other taxes charged and paid / payable on quoted item to enable the owner to claim MODVAT / Input credit.
- c) The statutory variation in Excise duty, Education Cess and Sales tax / VAT/GST on finished goods and introduction of new tax, from bid due date till the contractual completion period shall be to owner account against submission of the documentary evidence. However, any increase in the rate of these taxes and duties beyond the contractual delivery period shall be to Seller account. Any decrease in the rate of these taxes and duties shall be passed on to the owner. Any additional excise duty due to increase in turnover would be to seller account.
- d) It is for the Bidder to assess and ascertain the rate of excise duty, education Cess and sales tax/VAT applicable on quoted items. It is clearly understood that Owner will not have any additional liability towards payment of Excise Duty, Education Cess, GST and Sales Tax/VAT which is based on Bidders wrong assessment / interpretation of applicability of such Excise Duty and/or education cess and / or Sales Tax/VAT.
- e) Successful bidder shall carry out its obligations towards services at site as mentioned in technical specifications without any extra charges.
- f) Octroi/Entry tax, if any, in the any state of India shall be directly paid by the vendor, if applicable.
- g) DAFFPL shall not be liable, in case the tax authorities assess the tax elements in a different way on account of any reason, whatsoever.
- h) Taxes and duties other than those specified in this document, if any, shall be included in the quoted prices and no separate reimbursement shall be made by DAFFPL.

15. Income Tax / Corporate Tax:

a) As regards Income Tax, Surcharge on Income Tax or any other Corporate Tax payable by the Bidder for reason of the contract awarded, and / or on their expatriate personal, the Owner shall not bear any Tax liability whatsoever, irrespective of the mode of construction of contract / order. The Bidder shall be liable and

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- responsible for payment of such tax, if attracted under the provision of Indian Income Tax Act.
- b) Bidder may note that if any tax is deductible at source as per Indian Income Tax Law, the same will be deducted before releasing any payment to the Bidder and a TDS (Tax deducted at source) certificate will be furnished to the Bidder.
- c) Bidder may note that where the responsibility to deduct TDS under section 194Q of Income Tax Act is on DAFFPL, bidder shall not collect any TCS under section 206C(1H) of the Income Tax Act from DAFFPL.
- d) Accordingly, Bidder shall have the responsibility to check and include such provision of taxes in the prices.
- e) In case of delay in delivery due to reasons attributable to Bidder, any new or additional taxes or duties levied by Statutory authorities during this period shall be borne by the Bidder.

16.EMD / BID SECURITY

- a) The bidder shall furnish, as part of his bid, a bid security in original for the amount specified in the tender document by way of pay order, bank guarantee on Rs.100/-value non-judicial stamp paper or demand draft.
- b) The bid security is required to protect the Owner against the risk of Bidders conduct, which would warrant the security forfeiture.
- c) If bid Security / EMD is in the form of bank guarantee, it shall be in the form of irrevocable bank guarantee (in the format attached) issued by any Indian Scheduled Bank (other than Co-operative Bank) will be accepted.
- d) Bid Security / EMD shall be issued in favour of M/s Delhi Aviation Fuel Facility (P) Limited, New Delhi.
- e) Unsuccessful bidders bid security without any interest will be discharged/returned as promptly as possible, but not later than 60 days after the expiry of the period of bid validity prescribed by the Owner.
- f) The successful bidder bid security without any interest will be discharged, upon the Bidder accepting the Contract/ Purchase Order and furnishing the Contract performance bank guarantee to DAFFPL.
- g) The bid security may be forfeited:
 - i. If a bidder withdraws his bid during the period of bid validity or
 - ii. In the case of a successful bidder, if the bidder fails or refuses to:

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Accept the Purchase Order in accordance with agreed

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terms and conditions.

- Furnish Contract performance bank guarantee as per bid document/ Purchase Order.
- iii. Detection of submission of false / forged documents and fraud.
- h) Central Public Sector Undertaking of Govt. Of India are exempted from furnishing the bid security. Firms registered with NSIC/ MSME are also exempted from furnishing bid security, provided they are registered for the tendered items and up to the monetary limit they intend to quote. Provided further that they submit a copy of the current and valid registration certificate for the quoted item and monetary value along with their bid(s). Owner reserves right to verify the registration certificate provided, with relevant authorities.

17. CONTRACT PERFORMANCE BANK GUARANTEE [CPBG]

- a) As a Performance security, the successful Bidder, to whom the work is awarded by, shall be required to furnish within 30 days of notification of award of contract (Letter/ Fax/e-mail of Intent) a Performance Bank Guarantee on RS.100/- VALUE non-judicial stamp paper in favour of the Owner (M/S DAFFPL).
- b) The Bank Guarantee amount shall be equal to TEN PERCENT (10%) of the Total Order Value, and it shall guarantee the faithful performance of the Order in accordance with the Terms and conditions specified in the documents and specifications.
- c) CPBG shall be in the form of an irrevocable Bank Guarantee (in the format attached) issued by any Indian Scheduled Bank (other than Co-operative Bank).
- d) The Bank Guarantee shall be valid for the entire period of the Contract, namely, till the end of the guarantee / warranty period. The guarantee amount shall be payable on demand to the Owner.
- e) In case, the Contract Performance Bank Guarantee stated above gets reduced/ deducted for reasons of non-fulfillment of any Contractual obligations upto the completion of guarantee period, the bidder shall immediately take action to increase the value of Bank Guarantee to TEN PERCENT (10%) of the Contract price, to cover his guarantee/warranty obligations.
- f) The Performance Guarantee will be returned to the bidder without any interest at the end of the warranty / guarantee period subject to fulfillment of all contractual obligations by the Bidder. The bank guarantee shall have a claim period of 06 months beyond the

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contractual guarantee period.

g) The proceeds of performance security shall be appropriated by the owner as compensation for any loss resulting from vendor's failure to complete his obligations under the contract to the prejudice to any of the rights or remedies the owner may be entitled to as per terms and conditions of contract. The proceeds of this performance security shall also govern the successful performance of goods and services and vendors all obligations during the entire period of contractual warrantee / guarantee.

18. PRICE REDUCTION FOR DELAY IN DELIVERY/WORK COMPLETION:

The inability of successful bidder to execute orders in accordance with the agreed completion schedule will entitle DAFFPL, at its options, to:

- a) Accept delayed work completion at prices reduced by a sum equivalent to one percent (1%) of the total order value (i.e. sum of amount of purchase order for supply part and amount of work order for installation part) of material not delivered/work not completed for every week of delay or part thereof which is to be considered as a week, limited to a maximum of 10% of the total order value (supply part and installation part). Date of completion of work at DAFFPL site shall be considered for calculation of price reduction.
- 19. Purchase order for supply part will be placed by DAFFPL and work order for installation part will be placed by fuel farm operator M/s IOSPL on behalf of DAFFPL. The billing by contractor shall be done on DAFFPL only on both the cases.

20. INSURANCE

Contactor shall carry and maintain any and all statutory insurance(s) required under Indian Laws and Regulations, including Workmen compensation Act/ESI/Third party liabilities etc. and insurances for their personnel engaged in performance of the work at their own cost.

TRANSIT & COMPREHENSIVE INSURANCE

The vendor shall arrange transit Insurance for door delivery of equipments to DAFFPL Fuel Farm, New Delhi for delivery.

21. INSPECTION:

a) Material / construction/Fabrication shall be inspected by owner or its representative. Charges other than third party inspection, is

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- entirely vendor responsibility and in no way should affect the completion schedule.
- b) OWNER may, at its own expense, witness any test or inspection. In order to enable OWNER to witness the tests/inspections OWNER will advise the bidder in advance whether it intends to be present at any of the inspections.
- c) Even if the inspection and tests are fully carried out, the Vendor shall not be absolved from its responsibilities to ensure that the Material(s), raw materials, components and other inputs are supplied strictly to conform and comply with all the requirements of the Contract at all stages, whether during manufacture and fabrication, or at the time of Delivery as on arrival at site and after its commissioning or start up and during the defect liability period. The inspections and tests are merely intended to prima-facie satisfy OWNER that the Material(s) and the parts and components comply with the requirements of the Contract. The Vendor's responsibility shall also not be anywise reduced or discharged because OWNER or OWNER's representative(s) or Inspector(s) shall have examined, commented on the Vendor's drawings or specifications or shall have witnessed the tests or required any chemical or physical or other tests or shall have stamped or approved or certified any Material(s).
- d) Although material approved by the Inspector(s), if on testing and inspection after receipt of the Material(s) at the location, any Material(s) are found not to be in strict conformity with the contractual requirements or specifications, OWNER shall have the right to reject the same and hold the Vendor liable for nonperformance of the Contract.

22. GUARANTEE/WARRANTY:

- a) Materials/workmanship shall be guaranteed against manufacturing defects, materials, workmanship, and design for a period of 12 months from the date of completion of work at DAFFPL site. Warranty for replacement of material / accessories should be provided free of charges at our premises. The above guarantee/warranty will be without prejudice to the certificate of inspection or material receipt note issued by us in respect of the materials.
- b) All the materials including components and subcontracted items should be guaranteed by the vendor within the warranty period mentioned above. In the event of any defect in the material, the vendor will replace / repair the material at DAFFPL concerned

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- location at vendor risk and cost on due notice.
- c) Alternatively, DAFFPL reserves the right to have the material repaired / replaced at the locations concerned, at the vendors risk, cost and responsibility, in case, vendor does not replace / repair the material.
- d) The Vendor shall provide similar warrantee on the parts, components, fittings, accessories etc. so repaired and / or replaced.
- e) Vendor shall guarantee that the performance of the EQUIPMENT/MAT supplied under the CONTRACT shall be strictly in conformity with the specifications and shall perform the duties specified under the CONTRACT.
- f) RISK PURCHASE CLAUSE: We reserve the right to curtail or cancel the order either in full or part thereof if bidder fails to comply with delivery schedule and other terms & conditions of the order. DAFFPL also reserves the right to procure same or similar materials/equipment through other sources at vendor's entire risk, cost and consequences.
- 23.TEST & PERFORMANCE CERTIFICATES: Bidder shall furnish Material test and Performance Certificates for the materials along with the challans and invoice.
- 24. Construction power, water, loading and boarding, Site Storage with watch and ward, receipt, unloading, shifting material to store and internal shifting to site shall be included in Vendor's scope.
- 25. The unit rates as quoted to arrive at a total price shall be firm and inclusive of all duties, levies, transportation etc. No separate payment shall be made for site mobilization / demobilization, insurance etc.
- 26. The Schedule of Rates should be read with all other sections of the tender documents.
- 27. The tenderer shall be deemed to have studied the drawings, specifications and the details of work to be done within the time schedule and to have acquainted with the conditions prevailing at site. Site visit is strongly recommended.
- 28. All supply and work shall be in line with tender specifications, drawings

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and instructions of the Engineer-in-Charge.

- 29. The quantities shown against the various items are only indicative of the quantum of work and it may vary to any extent. Billing/payment will be done as per actual. Vendor to make measurements at site before dispatch of any material.
- 30. The rate quoted shall be inclusive of all work as mentioned in the scope of work in tender documents.
- 31. In case of any rework due to faulty workmanship or any defects occur or modifications are required no extra claims for such works/supply shall be entertained.
- 32. PAYMENT TERMS: The payment will be made after making necessary deductions as applicable & stipulated elsewhere in the tender document for materials, security deposit or any moneys due to the Owner etc.
- Contractor should submit PBG equal to 10% of Total Order Value with in 30 days of issue of LOI/PO.
- If PBG is not submitted by contactor then 10% amount shall be deducted from running bills of contractor as retention amount.
- PBG/retention amount will be released after completion of guarantee/warranty/defect liability period.
- Payment will be released within 30 days from the receipt and acceptance of Invoice.
- Notwithstanding any other clause of the tender documents, payment for Goods and Service Tax amount claimed in the invoice for work done by the successful bidder will be released only after the invoice is reflected in GSTR-2A of DAFFPL/Owner

The following payment terms shall be applicable:

For Supply Part:

- 80% will be released within 30 days after receiving invoice after the receipt and acceptance of material at site adjusting deductable if any.
- ➤ 10% will be released after completion of installation & certification

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- by site engineer/PMC on prorata basis.
- ➤ Balance 10% will be released after completion of testing, commissioning & certification by site engineer/PMC on prorata basis.

For Installation & Commissioning Part:

➤ 100% will be released after completion of installation, testing, commissioning and certification by site engineer/PMC on prorata basis.

Note: Payment will be done on actual consumption of material & works carried out as per site basis. Amount for unused material will be adjusted in final billing.

Arrangement for Transit e-way Bill under the GST Act for all the purchases is the responsibility of the tenderer.

- 33. Only in the event of causes of Force Majeure occurring within the contractual delivery period and if they impede the performance of contract, the delivery dates shall be extended on receipt of application from the bidder / Owner without imposition of penalty. Only those causes which depend on natural calamities, civil wars, fire and national strikes which have duration of more than seven consecutive calendar days are considered the causes of force Majeure. The decision of Owner shall be final and binding on vendor.
- 34. The Vendor must advise the Owner by a registered letter duly certified by Local Chamber of Commerce or statutory authorities and Owner must advise the Vendor by a letter, the beginning and the end of the delay immediately, but in no case later than within 10 days of the beginning and end of such causes of Force Majeure condition as defined above. Provided further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for period exceeding 60 days either party may at its option terminate the contract.
- 35. Repeat Order: DAFFPL reserves the right to place repeat order up to the order quantity within One Year from the date of original order on mutual agreement basis.

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- 36. Any reference to the Govt. Acts /Regulations etc. in the Bid Document is only indicative, and it is entirely for the bidder to ascertain the applicable Acts/Regulations.
- 37.RECOVERY OF SUMS DUE: Whenever, any claim against bidder for payment of a sum of money arises out of or under the contract or in any other form, the owner shall be entitled to recover such sums from any sum then due or when at any time thereafter may become due from the vendor under this or any other form and should this sum be not sufficient to cover the recoverable amount of claim(s), the vendor shall pay to DAFFPL on demand the balance remaining due.
- 38. PATENTS & ROYALTIES: The vendor shall fully indemnify owner and users of materials specified herein/supplied at all times, against any action, claim or demand, costs and expenses, arising from or incurred by reasons of any infringement or alleged infringement of any patent, registered design, trademark or name, copy right or any other protected rights in respect of any materials supplied or any arrangement, system or method of using, fixing or working used by the vendor. In the event of any claim or demand being made or action sought against Owner in respect of any of the aforesaid matter, the vendor shall be notified thereof immediately and the vendor shall at his/its own expense with (if necessary) the assistance of Owner (whose all expense shall be reimbursed by the vendor) conduct all negotiations for the settlement of the same and/or litigation which may arise thereof.
- 39.LIABILITY CLAUSE: In case where it is necessary for employees or representatives of the Vendor to go upon the premises of owner, vendor agrees to assume the responsibility for the proper conduct of such employees/representatives while on said premises and to comply with all applicable Workmen Compensation Law and other applicable Government Regulations and Ordinances and all plant rules and regulations particularly in regard to safety precautions and fire hazards. If this order requires vendor to furnish labour at site, such vendors workmen or employees shall under NO circumstances be deemed to be in owner s employment and vendor shall hold himself responsible for any claim or claims which they or their heirs, dependent or personal representatives, may have or make, for damages or compensation for anything done or committed to be done, in the course of carrying out the work covered by

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the purchase order, whether arising at owner s premises or elsewhere and agrees to indemnify the owner against any such claims, if made against the owner and all costs of proceedings, suit or actions which owner may incur or sustain in respect of the same.

- 40. COMPLIANCE OF REGULATIONS: Vendor warrants that all goods/Materials covered by this order have been produced, sold, dispatched, delivered and furnished in strict compliance with all applicable laws, regulations, labour agreement, working condition and technical codes and statutory requirements as applicable from time to time. The vendor shall ensure compliance with the above and shall indemnify owner against any actions, damages, costs and expenses of any failure to comply as aforesaid.
- 41. REJECTION, REMOVAL OF REJECTED GOODS AND REPLACEMENT: In case the testing and inspection at any stage by inspectors reveal that the equipment, materials and workmanship do not comply with specification and requirements, the same shall be removed by the vendor at his/its own expense and risk, within the time allowed by the owner/purchaser. The Purchaser shall be at liberty to dispose off such rejected goods in such manner as he may think appropriate, in the event the vendor fails to remove the rejected goods within the period as aforesaid. All expenses incurred by the Purchaser for such disposal shall be to the account of the vendor. The freight paid by the purchaser, if any, on the inward journey of the rejected materials shall be reimbursed by the vendor to the purchaser before the rejected materials are removed by the vendor. The vendor will have to proceed with the replacement of the Equipments without claiming any extra payment if so required by the purchaser. The time taken for replacement in such event will not be added to the contractual delivery period.
- 42.NON-WAIVER: Failure of the Owner to insist upon any of the terms or conditions incorporated in the Purchase Order or failure or delay to exercise any rights or remedies herein, or by law or failure to properly notify Vendor in the event of breach, or the acceptance of or payment of any goods hereunder or approval of design shall not release the Vendor and shall not be deemed a waiver of any right of the Owner to insist upon the strict performance thereof or of any of its or their rights or remedies as to any such goods regardless of when such goods are shipped, received or accepted nor shall any purported oral modification or revision of the order by DAFFPL act as waiver of the terms hereof. Any waiver to be effective must be in writing. Any lone incident of waiver of the any condition of this

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agreement by DAFFPL shall not be considered as a continuous waiver or waiver for other condition by DAFFPL.

43. NEW & UNUSED MATERIAL: All the material supplied/used by the vendor shall be branded new, unused and of recent manufacture.

44. CANCELLATION:

- a) DAFFPL reserves the right to cancel the contract/purchase order or any part thereof through a written notice to the vendor if
 - i. The vendor fails to comply with the terms of this purchase order/contract.
 - ii. The vendor becomes bankrupt or goes into liquidation.
 - iii. The vendor fails to deliver the goods on time and/or replace the rejected goods promptly.
 - iv. The vendor makes a general assignment for the benefit of creditors.
 - v. A receiver is appointed for any of the property owned by the vendor.
 - vi. Any other conditions where owners commercial interest get affected.
- b) Upon receipt of the said cancellation notice, the vendor shall discontinue all work on the purchase order matters connected with it. DAFFPL in that event will be entitled to procure the requirement in the open market and recover excess payment over the vendor's agreed price if any, from the vendor and also reserving to itself the right to forfeit the security deposit if any, made by the vendor against the contract. The vendor is aware that the said goods are required by DAFFPL for the ultimate purpose of materials production and that nondelivery may cause loss of production and consequently loss of profit to the DAFFPL. In this-event of DAFFPL exercising the option to claim damages for non delivery other than by way of difference between the market price and the contract price, the vendor shall pay to DAFFPL, fair compensation to be agreed upon between DAFFPL and the vendor. The provision of this clause shall not prejudice the right of DAFFPL from invoking the provisions of price reduction clause mentioned aforesaid.
- 45. ANTI -COMPETITIVE AGREEMENTS/ABUSE OF DOMINANT POSITION: The Competition Act, 2002 as amended by the Competition (Amendment) Act, 2007 (the Act), prohibits anti- competitive laws and aims at fostering competition and at protecting Indian markets against anti- competitive

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practices by enterprises. The Act prohibits anti- competitive agreements, abuse of dominant position by enterprises, and regulates combinations (consisting of acquisition, acquiring of control and M&A) wherever such agreements, abuse or combination causes, or is likely to cause, appreciable adverse effect on competition in markets in India. DAFFPL reserves the right to approach the Competition Commission established under the Act of Parliament and file information relating to anticompetitive agreements and abuse of dominant position. If such a situation arises, then Vendors are bound by the decision of the Competitive Commission and also subject to penalty and other provisions of the Competition Act.

- 46. ASSIGNMENT: The Vendor can / does not have any right to assign his rights and obligations under these general purchase conditions without the prior written approval of DAFFPL.
- 47. GOVERNING LAW: These General Purchase Conditions shall be governed by the Laws of India.
- 48. AMENDMENT: Any amendment to these General Purchase Conditions can be made only in writing and with the mutual consent of the parties to these conditions.
- 49. The following expressions used in these terms and conditions and in the purchase order shall have the meaning indicated against each of these:
 - a) OWNER, Client, Purchaser, buyer means DAFFPL
 - b) **VENDOR**, tenderer, Bidder, Contractor, Seller, Supplier, manufacturer stated anywhere in the tender document carry the same meaning: It means the person, firm or the Company / Corporation to bidding and shall include its successors and assigns.
 - c) **INSPECTOR/ TPIA:** Person/agency deputed by Owner for carrying out inspection, checking/testing of items ordered and for certifying the items conforming to the purchase order specifications.
 - d) GOODS / MATERIALS: means any of the articles, materials, machinery, equipment's, supplies, drawing, data and other property and all services including but not limited to design, delivery, installation, inspection, testing and commissioning specified or required to complete the order.
 - e) **SITE / LOCATION:** means any Site where DAFFPL desires to receive materials anywhere in India as mentioned in tender.
 - f) **CONTRACT**, Order or Purchase Order/CALL-OFF means the agreement for supply of goods/ materials for required quantity between Owner

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and Vendor, for a fixed time on mutually agreed terms and conditions.

- g) The term MR means Material Requisition containing technical requirements and scope of work (technical), GPC means General Purchase Conditions containing commercial terms & conditions, PO means Purchase order issued after award of contract incorporating agreed deviations in MR, ATC means Agreed Terms & Conditions, RFQ means Request For Quotation.
- h) For the purpose of contract, the trade terms FOB, CFR and CIF, DAP shall have the meanings as assigned to them by INCOTERMS 2010 published by ICC, Paris.

50. REFERENCE FOR DOCUMENTATION:

The number and date of Collective Request for Quotation (CRFQ) must appear on all correspondence before finalization of Contract / Purchase Order.

After finalization of Contract / Purchase Order: The number and date of Contract / Purchase Order must appear on all correspondence, drawings, invoices, dispatch advice, (including shipping documents if applicable) packing list and on any documents or papers connected with this order.

51. ARBITRATION

a) Any 'dispute or difference of any nature whatsoever, any claim, cross-claim, counterclaim or set off of the Owner against the Consultant or regarding any right, liability, act, omission or account of any of the parties hereto arising out of or in relation to this agreement shall be referred to the Sole Arbitration of the nominated Director of the Owner or of some Officer of the Owner who may be nominated by the nominated Director. The consultant will not be entitled to raise any objection to any such arbitrator on the ground that the arbitrator is an officer of the Owner or that he has dealt with the matters to which the contract relates or that in the course of his duties as an Officer of the Owner, he had expressed view on all or any other matters in dispute or difference. In the event of the arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, the nominated Director as aforesaid at the time of such transfer. vacation of office or inability to act may in the discretion of the nominated Director designate another person to act as arbitrator in

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accordance with the terms of the agreement to the end and intent that the original Arbitrator shall be entitled to continue the arbitration proceedings notwithstanding his transfer or vacation of office as an officer of the Owner if the nominated Director does not designate another person to act as arbitrator on such transfer, vacation of office or inability of original arbitrator. Such person shall be entitled to proceed with the reference from the point at which it was left by his predecessor. It is also a term of this contract that no person other than the nominated Director of the Owner or a person nominated by such nominated Director as aforesaid shall act as arbitrator hereunder. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to the agreement subject to the provisions of the Arbitration & Conciliation Act, 1996 or any statutory modification or reenactment thereof and the rules made there under for the time being in force shall apply to the arbitration proceedings under this clause.

- b) The arbitrator shall have power to order and direct either of the parties to abide by, observe and perform all such directions as the arbitrator may think fit having regard to the matters in difference i.e. dispute, before him. The arbitrator shall have all summary powers and may take such evidence oral and/or documentary, as the arbitrator in his absolute discretion thinks fit and shall be entitled to exercise all powers under the Indian Arbitration & Conciliation Act 1996 including admission of any affidavit as evidence concerning the matter in difference i.e. dispute before him.
- c) The parties against whom the arbitration proceedings have been initiated, that is to say, the Respondents in the proceeding, shall be entitled to prefer a cross claim, counter claim or set off before the Arbitrator in respect of any matter in issue arising out of or in relation to the Agreement without seeking a formal reference of arbitration to the nominated Director/officer for such counter-claim, or set off and the Arbitrator shall be entitled to consider and deal with the same as if the matters arising therefore has been referred to him originally and deemed to form part of the reference made by the nominated Director/officer.
- d) The arbitrator shall be at liberty to appoint, if necessary any accountant or engineering or other technical person to assist him, and to act by the opinion so taken.
- e) The arbitrator shall have power to make one or more awards whether interim or otherwise in respect of the dispute and difference and in particular will be entitled to make separate awards in respect of claims of cross claims of the parties.

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	Sign & Stamp of Bidder



- f) The arbitrator shall be entitled to direct any one of parties to pay the costs to the other party in such manner and to such extent as the arbitrator may in his discretion determine and shall also be entitled to require one or both the parties to deposit funds in such proportion to meet the arbitrators expenses whenever called upon to do so.
- g) The parties hereby agree that the courts in the city of Delhi alone shall have jurisdiction to entertain any application or other proceedings in respect of anything arising under this agreement and any award or awards made by the Sole Arbitration hereunder shall be filed (if so required) in the concerned courts in the city of Delhi only.

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	Header inside Fuel Farm F	acility of DAF	FPL.				
Document No.	SAGA/TEN/001	Rev.	0				

Project Name:	Providing Design Consultancy Services for Laying of Additional Receipt Header inside Fuel Farm Facility of DAFFPL.							
Client:	Delhi Aviation Fuel Facility Private Limited							
Location:	DELHI	Document No.:	SAGA/TEN/001					

ANNEXURE A SCOPE OF WORK

			Roghut	Ry.	hja	
0	23-02-2022	For Tender	DR	AP	SKJ	
Rev	Date	Description	Prepared	Reviewed	Approved	Client Review

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SCOPE OF DAFFPL PROJECT

1.0 Introduction

Delhi Aviation Fuel Facility Private Limited (DAFFPL) is a Joint Venture comprising Indian Oil Corporation Ltd. (IOCL), Bharat Petroleum Corporation Ltd. (BPCL), and Delhi International Airport (P.) Ltd. (DIAL). DAFFPL provides the infrastructure aimed at ensuring an uninterrupted flow of Aviation Turbine Fuel (ATF) to all type of aircrafts at the Indira Gandhi International Airport, New Delhi (IGI Airport) as per international benchmarking.

DAFFPL (Delhi Aviation Fuel Farm Facilities Limited) is operating a Fuel Depot near New Delhi International Airport (DIAL) at present and is fed by a dedicated 8" Product Pipeline from IOCL Terminal, Bijwasan. To ensure uninterrupted supplies and increased demand, IOCL is augmenting the existing 8" pipeline with a new 16" pipeline. The pumping capacity after Enhancement is expected to be 593 - 600 KL per Hour.

2.0 Purpose of Document:

The purpose of this document is to cover the Scope of Work involved in Installation of DAFFPL issue equipment's, Fabrication and Erection of New Receipt Header line including installation of Filter station equipment and Fabrication & erection of Tank Body Nozzle for ATF storage tank along with commissioning of all works.

3.0 Scope of Work:

3.1 General requirements:

- 3.1.1 The scope of work given herein describes the requirements and guidelines to the Contractor for the New Receipt Header Line Project, including but not limited to fabrication, erection, installation, testing, cleaning of the complete above ground fuel pipeline part of ATF receipt system, fabrication, erection, installation, testing of Tank Body Nozzle and Reinforcement Pad & commissioning of the entire works carried out etc. The scope of works also includes installation of Micro Filters, Filter Water Separators, ROSOV's, Gate valves etc.
- 3.1.2 The Contractor is expected to visit the site to get himself acquainted with prevailing site conditions i.e. availability of storage/stacking space, water, power, approach

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road, pipeline routing, security and safety requirements for working inside DAFFPL Fuel Farm etc., before quoting for this tender. The Contractor shall be entirely responsible for provision of all such utilities. No delay or cost shall be entertained on this account.

- 3.1.3 The Contractor shall be provided power & water connection at One Point from DAFFPL at his cost. Contractor to arrange necessary Distribution Junction boxes along with cabling at work site at his own cost. Contractor shall be charged according to the consumption made. Necessary metering arrangements are in the scope of contractor.
- 3.1.4 On completion of the work Contractor shall prepare and submit As-built drawings to DAFFPL.
- 3.1.5 No deviations/exceptions from this scope of work shall be permitted. A complete list of exclusions/deviations from the Contractor's scope of work shall be clearly indicated in the offer.
- 3.1.6 Measurement of work shall be taken for actual pipeline laid/ Work done at site as measured along the center line or in Nos., including all types of fittings. However, Valves, flanges, strainers, filters, inline instruments etc. shall not be included for measurement in pipeline. All fittings such as bends, elbows, tees, branch connections, reducers etc. shall not be measured separately.
- 3.1.7 The Contractor shall take care for easy access to work site and for safety. Working site should be always kept clean to the entire satisfaction of the Engineer-in-Charge of DAFFPL and as per applicable procedures at DAFFPL Terminal.
- 3.1.8 The civil works required for pipe laying, filter station i.e. excavation, sand bed, backfilling and construction of RCC footing, RCC Platform, Channel Drain, Access Platform, Working Platform etc. will be carried out by Contractor as a part of the Scope of work.
- 3.1.9 The Contractor shall carry out the installation work as per the phasing plan approved by DAFFPL/EIC. The approved phasing plan may change during the course of construction if required by DAFFPL/ Fuel Farm Operations team.

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- 3.1.10 Any enabling work related to Civil, mechanical work, such as temporary manifold, temporary working platform, temporary supports etc., required for accomplishment of the scope of this work shall be deemed to be included in the scope of the Contractor.
- 3.1.11 Contractor shall be responsible for installation of all temporary cabling and connections to enable temporary lighting necessary for completion of his scope of work.
- 3.1.12 Contractor shall be responsible for the required coordination & approval for any works from DAFFPL and Fuel Farm Operator for working inside operational Fuel Farm and Dyke wall.
- 3.1.13 Necessary care shall be taken by the Contractor to ensure the safe, uninterrupted and convenient operation of DAFFPL Fuel Farm and motor vehicles inside Fuel Farm including but not limited to signage, markings, lighting, existing utilities inside fuel farm or any other works.
- 3.1.14 When the work is completed, it shall be fit for the purpose for which the works are intended and meet the relevant technical and other specifications as specified or as may be inferred from the Contract, Project Documents and other specifications that may be agreed upon.
- 3.1.15 The Contract documents define only the design intent and general performance requirements. The entire work shall be carried out strictly in accordance with the true intent and meaning of the specification and drawings taken together regardless of whether the same may or may not be shown particularly on the drawings or described in the specification.
- 3.1.16 There may be more than one Contractor / contractor working in the area at the same time. The work has to be carried out in proper co-ordination and consultation with the DAFFPL/EIC and all other parties concerned with the work.
- 3.1.17 Work restrictions, delays, or conflicts that should be worked around for the various scope extents shall be coordinated and are inherent to this scope of work and schedule. Temporary works required for installation of the items identified in the BOQ are deemed to be part of the works & any cost with respect to this shall not be entertained.

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- 3.1.18 Access to the site will be limited as per the requirements for construction of projects and also limited by Fuel Farm operational restrictions. Contractor is aware of these restrictions and has accounted for them in submission of their schedule and proposal.
- 3.1.19 Contractor shall submit Quality Assurance Plan (QAP), additional detailed and arrangement drawings (in addition to drawings given as part of tender) as required by DAFFPL for approval by DAFFPL. All works to be carried out as per the approved QAP, approved Technical specifications and Drawings.
- 3.1.20 The works shall be carried out as per the Fuel Farm Operational clearances and work permits (Daily/ Weekly) for the subject area.
- 3.1.21 It will be overall responsibility of Contractor to ensure safety of the installation being executed by him. Any damage caused to the installations due to the poor workmanship, defective work and damage due to negligence shall be made good by Contractor at his own cost without any financial implication to DAFFPL.

4.0 Work Tendered

Work tendered as a part of this scope shall include the following:

- A. Loading, unloading and Transportation of 24" dia. pipes within DAFFPL premises/ fuel farm station. External & Internal Cleaning of 24" pipe to make it fit for use for JetA1.
- B. Supply, Handling, installation, testing & commissioning of 16" dia & 10" dia pipes for use for JetA1.
- C. Fabrication, Installation, NDT, pressure testing, soak testing, test media removal & dehumidification, Flushing of 24" OD, 16" OD, and 10" as a part of ATF fuel receipt Header pipeline.
- D. Puncturing of Existing Storage Tank for Installation of new Tank Nozzle.
- E. Installation of Tank Body Nozzle for existing ATF storage Tank as indicated in the detail drawings.
- F. Installation of Reinforcement Pad for new Tank Nozzle.
- G. Installation & commissioning of ROSOV, Gate Valve, expansion Bellows, Check Valves for Tank Body Nozzle and Filter Station area as indicated in the detailed drawings.
- H. Internal and external Painting of Tank Nozzle area.
- I. Installation of Micro Filter and Filter Water Separator along with sampling arrangement as indicated in detailed Drawing.

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- J. All works related to commissioning for Filter Station area, Tank Body Valve (ROSOV and GATE VALVE and other DAFFPL issue items) as indicated in detailed drawings.
- K. Carrying out all civil works related to Filter Station area RCC Hard stand, RCC Pipeline supports, Access Platform and operating Platform RCC footings, Pipeline Road crossing etc.
- L. Carrying out all structure steel works related to Filter Station area, Pipeline supports, Access Platform and operating Platform, Pipeline crossing platforms etc.
- M. Hydro-Testing of Tank.
- N. Soak testing and flushing of the New Receipt Header pipeline network.
- O. PESO Competent person safety Inspection and certification for the entire Job will be carried out through appointed party by Contractor.
- P. In case any activity though not specifically covered here in bill of quantities description but same is covered under Scope of Work / Specifications / Drawings, it is understood that the Contractor shall perform such works as mentioned without any time and cost implications.
- Q. Any other works not specifically mentioned / listed herein but are required to complete the installation work of the receipt header pipeline and associated facilities.

5.0 Detailed Scope of Work

This covers detailed scope of work pertaining to laying and testing of New Receipt Header Pipeline, Installation of Tank Nozzle for existing ATF storage Tank, civil, related works that are to be installed as a part of this tender which are indicated/enclosed as a part of tender document.

The scope of DAFFPL will be limited to the supply of following,

Pipes	Pipeline of 24" in accordance with Tender Drawings.
ROSOV, MOV & Gate Valves	All ROSOV, MOV's & Gate Valves of size 24" / 16" / 10" in accordance with Tender Drawings.
Expansion Bellows	Expansion Bellows in accordance with Tender Drawings.
MF and FWS	Micro Filter and Filter Water Separator in accordance with Tender Drawings.

Balance all tools, tackles, equipment's and consumables including but not limited to temporary supports, Pipe Supports, Cable Tray Supports, pipe clamps, Tank Nozzle, Reinforcement Pad., Flanges, Gaskets, Fasteners, Electrical and Instrumentation Cables, Cable Trays etc. required for the execution of the work and to make the system complete in

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all respects for safe operation and guaranteed performance, shall be considered in the scope of work of the Contractor and no additional charges shall be paid. Material shall be supplied after taking measurements at site.

5.1 Fabrication of Tank Nozzle Works for existing ATF Storage Tank:

The scope of work includes supply of Material, labor, equipment, Temporary facilities / Structures and other items whatsoever required for or in connection to complete the works as per approved Construction Drawings & project specifications.

The quoted rate by bidder shall inclusive of the following scope:

- a) Contractor shall be responsible for Handling, fabricating, Erection, welding of Tank Body Nozzle for existing ATF Storage Tank including provision of reinforcement pad (Supply of Plate material for reinforcement pad shall be in the Scope of Contractor) and its testing.)
- b) Contractor shall be responsible for carrying out Radiography as approved RT method statement / procedure.
- c) Contractor shall be responsible for supply and installation of temporary works required to ensure the safe, uninterrupted and convenient working place at height including but not limited to Fabrication and erection of Hot Barricading, provision of fire blankets etc.
- d) Contractor shall be responsible for supply and installation of structural steel for Operating Platform, crossovers and Platform gratings (Electro forged Hot dipped galvanized coating) as per approved QAP, ITP, method statement and approved construction drawings.
- e) Contractor shall be responsible for supply of Grit Material as per approved specifications and blasting to Tank Shell Plate (Internal and external) for the new Tank Body Nozzle area, Platform Structure and other misc. attachment of the tank to achieve surface roughness as per approved method statement.
- f) Contractor shall be responsible for supply of Paint Material as per approved Technical Specifications and application of the same as per approved method statement.
- g) The contractor shall submit Quality assurance plan (QAP), additional details like procedure / method statements and Shop Drawings for approval by

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client/consultant/Project Manager. All works to be carried out as per approved QAP and Approved Construction Drawings.

- h) All approvals, instructions, permission, checking, review etc. whatsoever by the client/Consultant/Project Manager shall not relieve the contractor of his responsibility and obligation regarding adequacy, correctness, completeness, safety, strength, quality, workmanship etc. of the works.
- i) Contractor shall carry out works in conjunction with BOQ, approved specifications, approved method statement, and approved work procedures, approved construction drawings and relevant codes and standards. Contractor shall carry out the works in true intend abiding all necessary relevant documents / drawings, codes / standards and project specifications.
- j) The works shall be carried out as per the clearances and the permissions for the subject area by client/Consultant.
- k) Contractor shall be responsible for Documentation which includes Shop drawings, materials certificates, documentation for all construction works and documentation for Blasting, Primer / Intermediate / Final Paint application, Prefabrication reports, fit up Report, Erection Reports, Welding Reports, RT films, RT Reports, Hydro Testing reports, Tank Calibration Reports and necessary reports in conjunction with the approved construction drawings, specifications and client requirements.

5.2 New Receipt Header Pipeline Works:

The scope of work includes supply of Material, labor, equipment, Temporary facilities / Structures and other items whatsoever required for or in connection to complete the works as per approved Construction Drawings, BOQ & project specifications.

5.2.1 Pipeline handling.

All pipe (whether externally wrapped/coated or bare) shall be lifted with care using suitable equipment. Pipe shall not be allowed to drop or strike hard objects. Externally wrapped/coated pipe should not be dragged or skidded into position. When lifting pipe, spreader bars and properly constructed webbing, or fabric slings shall be used. Direct lifting of pipe using hooks in the ends of pipe shall be prohibited in order. The contractor has to shift the pipeline provided by DAFFPL to the site location in accordance with all the safe practices and no extra payment will be made to the contractor in this regard.

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5.2.2 Pipeline Cleaning

- a) All pipes shall be cleaned internally with foam pig or spray pump in order to achieve factory finish before taking the pipe for fit up work. The cleaning of the pipe shall be carried out in such way that internal coating should not be damaged or peel off. The material detrimental to epi-coating of pipeline shall be avoided.
- b) All stacked pipe shall be cleaned periodically and ensured that End caps shall be intact for all stacked pipes.
- c) It is strongly urged that the contractor visits DAFFPL terminal and examines the condition of DAFFPL issue pipeline, it will be solely the contractor's responsibility to make the pipelines issued by DAFFPL fit to be used in these works. All accessories attached or provisions available in pipeline are to be removed as per the directions of engineer in charge at no additional cost. The pipelines are to be made fit for use as per the drawings.

It is the contractor's responsibility to ensure DAFFPL issue pipeline will be installed as per the approved drawing, commissioned & declared fit for use for Jet A1. No extra payment in these regards will be made.

5.2.3 Pipeline Shifting

- a) The Contractor shall be responsible for Receiving and taking over the pipelines from the DAFFPL Yard, within DAFFPL Fuel Farm, loading, handling, stacking, stringing and transporting to the Contractor's stock yard(s) / work site, loading, unloading including arranging all pipe trailers, crane etc.
- b) In case of any defects / damages occurring during transportation and/or handling after receiving and taking over including supply of all material required has to be repaired by Contractor as per manufacturer recommendations at no additional cost.

5.2.4 Pipeline Stringing

Pipe Cutting and Welding Edge Preparation

- a) Prior to start of the work Contractor to obtain hot work permits from DAFFPL and/or concerned authorities having jurisdiction thereof to work within Fuel Farm area, strictly complying all stipulations/conditions/recommendations of the concerned authorities and providing all safety appliances, warning tapes and barricades in accordance with Engineer in charge.
- b) Pipes shall be cut either by mechanical means or by thermal cutting.
- c) End beveling shall be done by machining or hand grinding.

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- d) Pipeline ends shall be beveled to an angle of $65^{\circ} \pm 5^{\circ}$ with a root face of 1.6 \pm 0.8 mm.
- e) The pipe lengths shall be cleaned internally before start of fit up work. Fit up shall be done with the help of external pipe clamp. Each added length to the pipe string shall be cleaned thoroughly, in order to maintain hygienic condition of the pipe till commissioning, necessary for maintaining the fuel quality after commissioning.

5.2.5 Pipeline Laying

- a) It should be ensured that while laying the pipes no foreign materials like stones, sand, gunny bags, gloves, bits of welding rods, muck, accumulated water, weld materials etc. are left inside the laid pipes. The Contractor should ensure that the coating/wrapping of the pipes are not damaged when (if) being buried. If there is any damage, it shall be rectified by the Contractor at his cost in accordance with specification and tender documents.
- b) Carrying out all associated mechanical, electrical, instrumentation, etc. works including radiography, Holiday testing of weld joints, as per technical specification.
- c) At the end of each day of work, the free ends of the laid down pipes must be kept properly sealed.
- d) Special care shall be taken to maintain cleanliness of pipe internally at each and every stage of the pipe lowering work.
- e) Continuity (Jumpers) to be maintained over flanges in all type of pipeline, no extra payment shall be made in these regards.
- f) Electrically insulated neoprene gaskets to be installed at terminal flange before tank body.
- g) Special care shall be taken to place the pipes on Pipe Support. If any damages are caused during laying/residual welding of pipes, it shall be the Contractor responsibility to get them repaired and no claim whatsoever on this account shall be entertained by DAFFPL.
- h) Any other work not specifically listed herein but is required to complete the installation work of new Receipt Header pipelines in all respects.
- i) Any equipment or facility damaged by the Contractor during the erection work shall be rectified by the Contractor at his own cost, to the satisfaction of DAFFPL.
- j) The unused/scrap DAFFPL supplied (Free Issue) materials shall be returned to DAFFPL store after completion of work.

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5.2.6 Welding

General Requirements

- a) All welding shall be as per API 1104 latest edition. All pipe work shall be of butt weld construction in accordance with Pipeline Material Specifications. Flanged joints shall also be provided to match the connecting ends of valves or where specified. Only qualified welders proficient in welding in the vertical and overhead positions shall be allowed to weld these pipes/fittings. It shall be Contractor's responsibility to arrange for and bear all costs towards testing of welders. The Specification for Welding shall be followed for the fabrication of all types of welded piping and pipeline joints in accordance with attached documents.
- b) All welding procedure inside the dyke would be only allowed to carried out when a fire screen is installed at the under-work /under shutdown tank isolating it from other tanks. Inside the fire screen, fire blankets, air pump extinguishers etc. are required to ensure utmost safety.
- c) The following steps shall be taken besides controlling quality in general, to make effective control in carrying out welding:
 - Welding procedure (PQR & WPS) shall be prepared and tests shall be carried out to qualify the procedures. Number of procedures will depend on variables like positions of welding, thickness range, etc. Once a welding procedure is qualified, strict adherence to it shall be made during actual welding.
 - Welders employed shall be qualified for specific work DAFFPL will have the right to check/ witness the certificate(s) / test(s) before and/or during execution of work.
 - Makes of welding consumables such as electrodes, filler wires, argon, etc. shall be approved make by DAFFPL before using it. Such consumables are, however, subject to qualifying initial check tests as per API codes.
 - The Contractor shall submit batch test certificates, from the electrode manufacturers, giving details of physical and chemical tests carried out by them, for each batch of electrodes to be used.
 - All electrodes shall be purchased in sealed containers and stored properly to prevent deterioration. The electrode shall be handled with care to avoid any damage to the flux covering.
 - The electrode, filler wire and flux used shall be free from rust, oil, grease, earth and other foreign matter, which affect the quality of welding.

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- Welding shall not be performed when surfaces to be welded are wet, when rain is falling on such surfaces or during the period of high winds unless the welder and the works are shielded in an approved manner by a temporary hut.
- Joint preparation for welding shall be so as to leave a smooth finished profile free of cavities and conforming to standard practice. Edges shall be cleaned of rust, scale, slag, dirt and other foreign matter before welding.
- The throat thickness of the tack welds shall be similar to that of the initial root to be deposited in the groove and where necessary the extremities of the tack welds shall be dressed by grinding, chipping and flame gauging to facilitate proper fusion when they are incorporated in the initial root run. Bridge tacks (above the weld) shall be removed.
- All slag and scales etc. shall be removed from the surfaces of each completed bead before depositing the next bead.
- The finished weld shall present a smooth bright and shiny surface of constant width and uniformly spaced ripples. The welds shall be free from slag pockets, porosity, undercutting, incomplete penetration and fusion and other weld defects as described in relevant specifications.
- The weld protrusions, spatter etc., on the weld surface and adjacent area shall be removed so as to leave the surface smooth and clean.
- To maintain the specified alignment and gap during welding the pipes shall be securely held in position by pipe external clamps. Removal of pipe clamps used for welding will permitted after completion of root run.

5.2.7 NDE of Welds

- a) All pipe weld joints have to undergo 100% Radiographic inspection.
- b) The use of alternative methods of NDE such as magnetic particle or liquid penetrant methods may only be used where radiography cannot be carried out. The use of these methods shall have been reviewed without objection by DAFFPL/EIC prior to implementation.
- c) The Contractor shall ensure that site inspection and radiographic examination procedures comply with the requirements of API 1104. The procedures shall have been reviewed without objection by the DAFFPL/EIC prior to use.
- d) Radiograph exposure records of date, location, area, film number, serial number, film combination, time, source-film distance, angulation, weld number and other pertinent

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information shall be prepared and kept and a summary with an expert interpretation by an independent laboratory shall be submitted to DAFFPL for each weld.

- e) Safety is of paramount importance and the Contractor shall only carry out radiographic examination of welds when the relevant area is clear and personnel are not at risk.
- f) All pipe weld joints shall pass Radiographic Inspection.

5.2.8 Civil Works

Civil Works:

The project work also includes civil works like excavation, demolition of existing structures, Backfilling of Pipe Support Footings, RCC Pipe Supports, Structural Steel Access Platform, Operating Platform, RCC Platform for Filter Station etc. as per approved design drawings.

The scope of work includes supply of all design Material, labor, equipment facilities and other items whatsoever required for or in connection to complete the works as per approved Drawings and Tender Document.

Documentation shall include design drawings, materials certificates, documentation for all construction works and documentation for testing. The specific requirement shall include:

Excavation and backfilling with suitable approved materials up to required Depth.

Earth work excavation in all types of soil except hard rock using manual labor/machinery up to a max. 3 m depth from existing surface level. The surplus excavated earth shall be disposed off outside the DAFFPL premises.

RCC Work for Pipe Support and Hard stand for Filter station.

Supply, Fabrication and Installation of structural steel for access platform, operating Platform, Pipe support etc. as per tender drawings.

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6.0 Inspection and Testing of Piping/Pipeline

Inspection and Testing of Piping Systems shall be performed in accordance with specification attached with the tender for piping and pipeline portions.

Pressure test shall be considered complete only after approval by the DAFFPL site representative. Defects, if any, noticed during testing shall be rectified immediately and repair and retesting of the system / line shall be done by the Contractor / Contractor at his cost.

6.1 Testing

The Contractor shall carry out pressure testing of the pipe work. This shall consist of pneumatic tests, hydro test, removal of test medium, & dehumidification and monitoring till commissioning of the pipeline.

Pneumatic tests (Pressure- 6 Bar, 2 hours to be maintained) shall be carried out upon each section of pipe work following its laying on Pipe Supports in order to identify gross defects or incomplete closure of pipe joints/ends.

6.2 Hydro testing:

- a) Erected piping together with manifolds shall be tested by hydraulic pressure. The value of test pressure shall be equal to 1.5 times the design pressure as per EIC.
- b) Air vents shall be provided at all high points of the piping where the test shall be conducted in order to purge air pockets while the piping system is being filled up.
- c) Hydraulic test pressure shall be maintained for duration of 4 Hrs.
- d) Hydraulic test will be considered satisfactory if during the tests, manometric pressure does not decrease and no leakage or mist is found in the joints, fittings etc.
- e) Defective spots found in the welded joints must be cut out and re welded.
- f) After eliminating all defects, hydraulic tests shall be repeated
- g) Portions, in which the same defects are found during repeated tests, must be rejected and replaced by new ones and tested again.
- h) The Contractor shall arrange at his own expense all equipment, material, labour, instruments and consumables to conduct the various site tests to demonstrate specified performance of all piping work offered by the Contractor.

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i) Representatives of the DAFFPL and the Contractor shall make the statement regarding the acceptance of erected piping mentioning defects found during the test, characteristics of the defects and the method of their elimination.

6.3 Test Media Removal

- a) The Contractor shall arrange all equipment, material, labor, instruments and consumables to remove test media from the pressure tested sections.
- b) Disposal of testing media must be done by Contractor and the method of disposal of testing media shall be approved by the DAFFPL. The Contractor shall be liable for any and all damages resulting from field tests.

6.4 Dehumidification of Pipeline

- a) The Contractor shall arrange at his own expenses all equipment, material, labor, instruments and consumables for dehumidification of pipeline
- b) The Contractor shall submit the detailed procedure of the dehumidification operation and obtain DAFFPL approval before starting the operation.
- c) On successful completion and acceptance of drying operations, the same shall be maintained till commissioning of the pipelines.

6.5 Acceptance of work

- a) Upon successful completion of activities, Contractor to obtain approval from DAFFPL for completion of work for the section of the pipeline.
- b) Approval for such shall be given only after following conditions have been compiled by the Contractor to the satisfaction of DAFFPL.
- c) The required accuracy of measuring equipment and records has been demonstrated.
- d) All data, records, calculations and duly completed forms to be submitted to DAFFPL.

7.0 Special conditions of work

- a) Work has to be done in area where tanks and piping are handling very sensitive product called ATF. Utmost precautions are to be taken to contain hot work.
- b) To contain the hot work, fire screen enclosure will be built around the area of hot work. Fire enclosure will be properly designed with proper foundations and steel stricture. Design will be submitted to client/Engineer -in charge for approval.

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- c) Piping work will be taken up in such a manner that hot work is reduced to minimum in the field.
- d) Before starting the work, cold and hot work permit will be obtained from DAFFPL's authorized signatory.

7.1 Following materials are to be supplied by contractor

- a) Required Pipes as per GAD and approved isometrics.
- b) All fasteners required as per relevant specifications as approved by client.
- c) All gaskets as per relevant specifications as approved by client.
- d) Structural steel as per approved drawings.
- e) Material for reinforcement pad.
- f) Flanges
- g) Reinforcement materials for undertaking civil works as per approved drawings.
- h) All consumables required for completing the work.
- i) Paints for tanks and piping as per approved specifications.
- j) Other items as mentioned in BOQ

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Project Name:	Providing Design Consultancy Services for Laying of Additional Receipt Header inside Fuel Farm Facility of DAFFPL.					
Client:	Delhi Aviation Fuel Facility Private Limited					
Location:	DELHI	Document No.:	DAFFPL-SGC-SPC-001			

ANNEXURE B WORK PROCEDURE FOR HYDROTESTING OF TANKS

			Rophut	Ry.	hja	
0	23-02-2022	For Tender	DR	AP	SKJ	
Rev	Date	Description	Prepared	Reviewed	Approved	Client Review

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1. PURPOSE

The purpose of this procedure is to provide the guidelines for hydro testing of ATF Storage Aboveground tanks.

2. SCOPE

This procedure applies to hydro testing of ATF Tanks inside fuel farm of Delhi Aviation Fuel Facility Pvt. Ltd. Minimum set of requirements have been mentioned in the document, however this document may be modified as & when required by the contractor post approval from EIC.

3. REFERENCE DOCUMENTS

- API 650 Latest Edition
- Tank General Arrangement Drawings

4. ABBREVIATION

DAFFPL Delhi Aviation Fuel Facility Pvt Ltd.

ASME American Society of Mechanical Engineer

AWS American Welding Society

QC Quality Control
QA Quality Assurance

5. PROCESS

5.1 PRELIMINARY ARRANGEMENT:

- In general, on completion of mechanical works of each tank all work areas shall be cleaned to make it free from debris & dust by grinding, wire brushing, scraping or manual cleaning.
- 2. Inspection with DAFFPL shall be carried out to inspect readiness and cleanliness prior to hydro testing. Records shall be maintained to ensure the mechanical completion of tank prior to Hydro testing.

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- 3. All tank body valves shall be blinded. All Tank manholes shall be blinded.
- 4. As a prerequisite of hydro testing all the NDT requirement shall be fulfilled and documentation to that effect shall be complied and accepted.

5.2 WATER FILLING & DRAINING DETAILS:

5.2.1 Pipe connections:

No pipes should be connected to the tank during the Hydro test except the one used to fill the tank with water

5.2.2 Water Quality:

Fresh clean water should be used for the hydrostatic test if possible. The water for Hydro test shall be provided by DAFFPL. DAFFPL will provide Water for Hydro test at one point in DAFFPL premises, however contractor shall make all necessary arrangements for filling of Hydro test water in to the Tank from the water source provided by DAFFPL. Necessary arrangement for evacuation of water from tank as per directions of EIC have to be carried out by the contractor.

5.3 FILLING RATES:

5.3.1 General:

The minimum fill and discharge rate shall be as per API 650 and relevant standards and same has to be as per the directions of engineer in charge.

5.3.2 Filling Procedure:

A transparent tube $(\frac{3}{4}")$ level indicator shall be connected to the tank from bottom to top and it should be vertical. So that the filling volume of water can be monitored.

Filling stages shall be as follows: -

Stage 1:

Water shall be filled to $\frac{1}{2}$ H (height of tank) as per the applicable filling rate mentioned in 5.3.1. At the end of stage 1, monitoring for 24 hours minimum before the commencement of stage 2.

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Stage 2:

After completion of stage 1 monitoring tank shall be filled to 0.67 H (height of tank). At the end of stage 2, monitoring for 24 hours minimum before the commencement of stage 3.

Stage 3:

After completion of stage 2, fill the tank up to 0.83 H (height of tank). At the end of stage 3, monitoring for 24 hours minimum before the commencement of stage 4.

Stage4:

Now fill the tank up to 100 % (up to compression ring). At the end of stage 4, hold for 24 hours minimum.

5.4 Holding Time:

A minimum holding period of 24 hours is to be maintained. If there is rain during the holding period, the period may need to be extended to observe the tank under dry conditions.

When the tank is full with water i.e. up to curb angle/compression ring, additional Nozzle welded joints will be cleaned with wire brushing before check for visual examination and the inspection shall be carried out.

5.5 Acceptance criteria

If there is no leakage detected in the holding time, then it is declared that hydro test is pass and accepted. If any leakage observed, a repair procedure shall be established with the approval of DAFFPL.

5.6 Dewatering

Vacuum relief capacity can be increased by opening top manholes. Water shall be dewatered to fill the next tank to be hydro tested or to the other holding tanks or to construction use depending upon the situation as per the directions of engineer in charge. Necessary arrangements to dewater the tank are in scope of the contractor.

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6. DOCUMENTATION

Contractor shall submit all necessary documents not limited to following to DAFFPL for their approval

- Format for Check list/Mechanical clearance of tankages
- Format for hydro test cum evaluation report for tankages.

7. INSTRUMENTS/EQUIPMENTS

Following equipment's (Not limited to) are under contractor's scope;

- Survey equipment/Total station
- Level indicator
- Filling pump of adequate capacity
- Associated arrangements for water filling and dewatering of tanks

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Client:	Delhi Aviation Fuel	Delhi Aviation Fuel Facility Private Limited					
Location:	DELHI	Document No.:	DAFFPL-SGC-SPC-003				

ANNEXURE C WORK PROCEDURE FOR HYDROTESTING OF PIPELINE

			Right	R.	hja	
0	23-02-2022	For Tender	DR	AP	SKJ	
Rev	Date	Description	Prepared	Reviewed	Approved	Client Review

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WORK PROCEDURE FOR HYDROTESTING

1. PURPOSE

The purpose of this procedure is to lay guidelines and requirements and to establish a method or a system to control the hydro testing of pipelines installed as part of this project.

2. SCOPE

The purpose of this procedure is to define the methodology for water filling, hydro testing and dewatering of the 16", 24", 10" etc. diameter Pipeline fabricated & installed for ATF Transmission.

All the procedures i.e. hydrotest, soak test & flushing procedure shall be carried out separately for 16", 24" & 10" etc. Pipeline in parts or complete totality as per the directions of engineer in charge. This is a pre-construction hydrotesting procedure & contractor needs to submit a version of this report with appropriate changes to reflect site conditions for approval from DAFFPL/EIC.

3. REFERENCES

Following documents in part or in totality shall form the reference documents.

- 1- ASME B31.4
- 2- API-RP-1110

4. METHODOLOGY

Hydro testing of mainline shall exclude valves, pump stations and instruments if any in the main line.

Prior to any hydro test, DAFFPL shall be notified in advance and the hydro test shall commence only after obtaining signature on the Pipe Book.

The Equipment / Instruments to be used for performing the work shall include, but not limited to the following:

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- Variable speed Positive displacement pump suitable for test pressure. Positive displacement flow meters to measure the volume of water used for filling the line. Pump shall be flameproof.
- Paperless recorder to record temperature and pressure.
- Bourdon pressure gauges of suitable pressure range and accuracy with calibration certificate.
- Dead weight tester with an accuracy of 0.1 bar and measuring increments of 0.5 bar with a valid calibration certificate at the time of first hydrostatic testing in the pipeline.
- One 4 hours recording pressure charts and ink gauges tested with dead weight tester. Accuracy shall be 0.2% of the full-scale value. This shall be installed at the test headers.
- One temperature recorders with accuracy of +/- 1% of the scale range.
- Pressure recording charts.
- Thermocouples with valid calibration certificate.
- Two laboratory thermometer 0° C to 60° C range and accuracy $\pm 0.1^{\circ}$ C to be used.
- Communication equipment suitable for continuous connection between the two ends.
- Dehumidifier of suitable capacity

4.1 Test Medium

Hydrotesting shall be performed using water. The water shall be provided by DAFFPL at one point in DAFFPL Fuel Farm. Contractor shall make all necessary arrangements (pumps, pipes, fittings etc.)in order to fill & evacuate the water from the pipeline from the Designated water source provided by DAFFPL.

4.2 Test pressure

The pipeline shall be Hydrostatically tested to a test pressure 11 kg/cm².

4.3 Test Section Filling

The filling operation shall begin with pumping of water equal to 10% of the volume.

The test section and the pressure at the highest point rises to min one bar more than atmospheric pressure.

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During the whole filling operation, the valves at the receiving end test headers shall be throttled suitably to maintain adequate back pressure

The different parameters during filling operation shall be recorded once every thirty minutes in the approved format. Contractor shall submit all necessary formats well in advance in order to get the approval from DAFFPL.

Ground temperature shall be taken by measuring pipe temperature at the thermocouple prior to starting of the filling operation.

Environmental temperature shall be recorded from the beginning of pressurization to the end of test by means of a recording thermometer.

Once the test section has been completely filled and a minimum pressure of 1 bar has been achieved at the highest point, the thermal stabilization period shall be started. Thermocouple for measuring the temperature of the pipe wall shall be installed on the pipeline to be tested as per the following:

1 thermocouple at about 2-3 m distance from the pumping head and receiving head.

The temperature reading shall be taken at two hours interval with a calibrated digital temperature read out unit up to 1 decimal place and thermal stabilization shall be considered to have been achieved when a difference not higher than 1°C is attained between the average values of the last two readings. The temperature readings shall be recorded in the approved format.

4.4 Pressurization Operational Steps

Mobilize high-pressure pump and test equipment at pressurization area. Install one pressure gauge in parallel with the dead weight tester.

As soon as the temperature stabilization is achieved, the pressure shall be raised at a moderate and constant rate not exceeding 2-bar per minute.

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4.5 Four hour hold period

The pressure shall be considered to be stabilised when no fluctuation is observed in the pipeline pressure as seem from the dead weight tester. On achieving pressure stabilization, pressure pump connections shall be removed and the test section completely isolated and all connections at the test heads shall be checked for leakages. Pressure recorders shall than be started with the chart in real time orientation and the 4-hour pressure hold period shall start.

During the pressure hold period the following data shall be recorded in the format.

- a) Every Half-hour pressure measurement from dead weight tester
- b) Every One-hour pipe and soil temperature from the thermocouples.

All data shall be recorded on appropriate forms.

Throughout the hold period, care shall be taken that the maximum test pressure should not exceed in lowest elevation of the pipeline section under test. Should it become necessary to de-pressurise.

4.6 Acceptance Criteria

The hydrostatic test shall be considered as positive if pressure has kept a constant value throughout the test duration, except for change due to temperature effects.

The pressure change value as a function of temperature change shall be algebraically added to the pressure value as read on the meters. The pressure value thus adjusted shall be compared with the initial value and the test shall be considered as acceptable if difference is less than or equal to 0.3 bar.

In case the pressure loss is greater than 0.3 bar, pressure hold period will be extended by another 4 to 6 hrs. as per direction of Engineer in charge and after completion of extended pressure hold period acceptance will be done as appropriate.

If in case pressure loss is greater than 0.3 bar after extended pressure hold period, repeat hydro test will be carried out. On successful completion and acceptance of the hydro test, the pipeline shall be slowly depressurized at a moderate and constant rate.

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4.7 Pipeline Bulk Dewatering

Upon successful completion of the hydro test, Contractor shall dewater the section as per the instruction of DAFFPL. All the necessary provisions & arrangements to carry out dewatering are in the scope of contractor.

During dewatering care shall be taken to properly dispose the discharging water in order to avoid pollution, damages to fields under cultivation and / or existing structures and interference with the traffic.

4.8 Pipeline Cleaning:

Upon successful completion of the pipeline bulk dewatering the both ends of pipeline shall be kept open in order to remove any residual water left in the Main receipt header line.

After Visual checks, the Receipt Header line shall be dehumidified. Contractor shall make all necessary arrangements in order to dehumidify the receipt header line 24" and 16" separately. Contractor shall arrange a hygrometer to measure moisture content of air inside the pipeline & carry out dehumidification as per the directions of engineer in charge.

5. HEALTH, SAFETY & ENVIRONMENT

The Contractor shall submit procedure of Health, Safety & Environment before start of the execution and shall avail DAFFPL approval

The hazards associated with the hydro test have been identified and the following guidelines are suggested for implementation of safety norms.

Provisions shall be made for the installation of no - admittance signs to unauthorized personnel from the road to the Hydro test critical locations.

Only the authorized personnel as defined / identified by the Hydrotest Engineer shall be allowed within the test area when the test section is under pressure.

No stage of the activity shall progress without the specific clearance of testing engineer.

The temporary test headers shall be installed in compliance with methods and suitable locations so that their rupture cannot cause any injury to personnel.

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No work on the pipe or test equipment shall be allowed whilst under pressure except for tightening of flanges, the removal of connections after closing valves, and the blinding of ports after achieving the test pressure for isolation of the test section. No flexible hoses are permissible except for essential connection to the instruments.

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Project Name	Providing Design Consulta	ncy Services	for Lay	ing of Ad	ditional Receipt	
	Header inside Fuel Farm Facility of DAFFPL.					
Document No.	DAFFPL-SGC-SPC-004	Rev.	0			

Project Name:	Providing Design Co	onsultancy Services	for Laying of Additional Receipt		
	Header inside Fuel Farm Facility of DAFFPL.				
Client:	Delhi Aviation Fuel	Facility Private Limi	ted		
Location:	DELHI	Document No.:	DAFFPL-SGC-SPC-004		

ANNEXURE D WORK PROCEDURE FOR SOAK TEST OF PIPELINE

			Right	R.	hja	
0	23-02-2022	For Tender	DR	AP	SKJ	
Rev	Date	Description	Prepared	Reviewed	Approved	Client Review

DAFFPL Let y lip signt topster! (A JV of IOCL, BPCL and DIAL)	Delhi Aviation Fuel Fa	acility Private	Limit	ed	GLOBAL CONSULTANTS	
Project Name	Providing Design Consulta	ncy Services	for Lay	ing of Ad	ditional Receipt	
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1. PURPOSE

The Purpose of this program is to define to an adequate level of detail & the key activities to be carried out during the Soak Testing and Flushing of the New Additional Receipt Header inside Fuel Farm Facility of DAFFPL.

2. LIST OF ABBREVIATIONS

API : American Petroleum Institute

ATF : Aviation Turbine Fuel

°C : Degree Centigrade

DAFFPL: Delhi Aviation Fuel Facility Pvt Ltd.

DGCA : Director General of civil Aviation

EFSO : Emergency Fuel Shut Off

FF : Fuel Farm

HPV : High Point Vent

IOSL : Indian Oil Skytanking Limited

I/V : Isolation Valve

JIG : Joint Inspection Group

LPD : Low Point Drain

m³ : Cubic meter

μ : Micro

PG : Pressure Gauge

P&ID : Process and Instrumentation Diagram

PPE : Personal Protective Equipment

QCM : Quality Control Manager.

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3. REFERENCE

CODES AND STANDARDS

Sr.	Standard Number	Description			
NO					
1	API/EI 1585	Guidance in the cleaning of aviation fuel			
		hydrant system at airport.			
2	API/EI 1540	Design, construction, Operation &			
		Maintenance of Aviation Fueling Facilities.			
3	JIG Technical Bulletin number 35.	Soak Testing.			
4	Technical Bulletin number 39.	Fuel Hydrant Commissioning.			
5	JIG 2 Issue -11, January 2012.	Aviation Fuel Quality Control & Operating			
		Standards for Airport Depots & Hydrants			

4. SCOPE

The scope of this program will be confined to carry out Pre-commissioning, Soak test of New Receipt Header Line & Flushing of same. Firstly, the line shall be filled with product, soak test conducted for 4 days & upon successful lab results of sample after soak test, the line shall be flushed. The purpose of flushing is to ensure that the New Receipt Header Line is free from unacceptable levels of dirt, foreign objects and water. The aim is to purge the system. It is essential to flush for an adequate time to drive solid and water even from low point drain so that the line is fully clean and free from water and sediments.

All the procedures i.e. hydrotest, soak test & flushing procedure shall be carried out separately for 16" & 24" Pipeline in parts or complete totality as per the directions of engineer in charge. This is a pre-construction commissioning procedure & contractor needs to submit a revised version of this report with appropriate changes to reflect site conditions for approval from DAFFPL/EIC.

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5. PROJECT DESCRIPTION

DAFFPL (Delhi Aviation Fuel Farm Facilities Limited) is operating a Fuel Depot near New Delhi International Airport (DEL) at present and is fed by a dedicated 8" Product Pipeline from IOCL Terminal, Bijwasan.

To ensure uninterrupted supplies and increased demand, IOCL is augmenting the Existing 8" pipeline with a new 16" pipeline. The pumping capacity after Enhancement is expected to be 593 - 600 KL per Hour.

5.1 HYDRANT LINE DETAIL

The ATF Receipt header has been installed to receive ATF (Jet A1) from IOCL Bijawsan Refinery to DAFFPL Fuel Farm. The IOCL Receipt Line will have a filter station in DAFFPL premises. The filter station will be consisting of Micro filter and Filter water separator (2 Nos. each). The fuel will be filled into pipeline from Temporary High Point (2" Temporary Tapping with 2" Gate Valve). The unloading of product will be done through Refueller/pipline; necessary arrangements of flameproof pumps, manpower, hose, manifold etc. to fill the line & evacuation of product (if required) are to done by the contractor. Approximate 96 KL fuel will be required to fill the line. Fuel will be held in the system for four days for soak test.

6. PRE-REQUISITES OF COMMISSIONING

Before the initial introduction of aviation fuel into system the following prerequisites, as a minimum, shall be completed by the Contractor and signed off or put into effect as appropriate:

- a. Ensure Fire and Emergency Systems available at DAFFPL premises.
- b. Safety work permit for commissioning will be available.
- c. Proper Communications systems will be available at site.
- d. Area lighting fully operational,
- e. Construction and dry commissioning works complete in all respects as follows:

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- i. Mechanical works completed,
- ii. All associated pre-commissioning testing and checks completed,
- iii. All snagging lists reviewed for any essential items like installation of valve at 24" / 16" & 10" line.
- f. All personnel shall be briefed on overall commissioning activity.
- g. All commissioning personnel will be briefed on commissioning plans, individual responsibilities, duties and tasks,
- h. Restrictions placed to exclude non-essential personnel from the commissioning area(s),
- i. Visual inspection of internal line as far as possible.
- j. Proper warning signage located at site.
- k. Appropriate Task Risk Assessments, HAZOP study shall be done.
- Fuel Spillage control plan HSE plan shall be established & approval taken from DAFFPL/EIC by the Contractor before start of the flushing commissioning works.
- m. Fuel spillage equipment shall be made available by the Contractor and placed at site to meet emergency,
- n. Approved Personal Protection Equipment (PPE) shall be made readily available by the Contractor and shall be issued to all commissioning personnel.
- o. Pre-Checks shall be carried out by the Contractor. The system shall be checked by the Contractor along with as-built drawings. The P&IDs shall not include any temporary commissioning connections; these shall be highlighted elsewhere, in particular as part of the detailed commissioning procedure.
- p. Communications between all areas Fuel farm shall have been established and proven by the Contractor. All pre-commissioning including but not limited to Portable Safety Equipment Permanent fire extinguishers, hoses etc. and safety equipment shall be in place.
- q. Contractor shall commence the work only after Documentation Approval from DAFFPL/EIC.

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- r. Manpower and Equipment Resources.
 - Manpower (trained, authorized, training records in place and complete)
 - Equipment (Quality check + commissioning spare parts)
- s. Permit to Work and Safety Procedure shall be in place.
- t. Contractor shall ensure that Strength Check (leak check) Certificate shall be available before commencement of Flushing & Commissioning Works.
- u. Tool box briefing before starting work daily.

7. PRE-COMMISSIONING METHODOLOGY AND OPERATIONS

7.1 HAZOP & RISK ANALYSIS

The Contractor shall follow the HAZOP study recommendations during commissioning stage to avoid the potential risks and hazards which can occur during commissioning activities while Soak Testing and Flushing of the New ATF Receipt Line at DAFFPL Fuel farm.

The objectives of the HAZOP study as follows:

- 1. Identify potential hazards related to commissioning process.
- 2. Identify the existing safeguards that inhibit the realization of the hazard and mitigate against the consequences of the hazard.
- 3. Recommend measures to mitigate the identified problems or to identify areas that need further investigation.

7.2 LOW POINT CHECK

Before filling the fuel to system, the temporary low point (2" Tapping with Gate Valve) of receipt header will be checked for presence of water left after Hydro test if any. If the traces of water are present, it will be removed before commencing the ATF filling operation.

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7.3 SOAK TEST METHODOLOGY AND OPERATIONS

The fuel will be unloaded to pipeline through the temporary High Point installed in the piping network by the contractor, the product will be arranged by DAFFPL for soak test. The fuel will be unloaded to receipt header thru refueller by gravity. Fuel quantity unload to receipt header will be of same batch (Test A has to be done at this stage by the contractor). During fuel filling the venting through temp. highpoints shall be done and vent valve should not be unattended, same has to be ensured by the contractor. After fuel filling put the system on hold for Soak test for 4 days. After 4 days, the samples will be sent to lab for Full specification (Test A) analysis.

In case of spillage, the spillage shall be controlled/cleaned. In case of major spillage pit cleaning vehicle shall be used for cleaning and the fuel collected will be stored in steel drums and disposed as per safety regulations. The contractor needs to develop SOP's for containment of spillage according to site conditions.

The fuel will be provided at a point inside the DAFFPL terminal and all the necessary arrangement such as flameproof pumps, manifold, hose, manpower etc. & provisions to fill & drain the fuel inside the pipeline has to be carried out by the contractor as per the approved methodology by DAFFPL/EIC.

7.3.1 PURPOSE OF SOAK TEST

- 1. To ensure that Aviation Fuel (Jet A-1) meet the specification after filling in the constructed pipe line.
- 2. To ensure that there is no leakage in the receipt header System.
- 3. Ensure that there are no particular contaminants present in the line.

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7.3.2 ACTIVITY INVOLVED TO CARRY OUT SOAK TEST FOR NEW RECEIPT HEADER LINE

- 1. The calculated line volume is approximately 96KL.
- 2. Sufficient venting arrangement through temporary high points as per engineer in charge will be provided to suit at site condition.
- 3. Initial filling of fuel in hydrant system with Jet A-1 of the same batch from Temporary High Point on receipt Header.
- 4. Fuel will be filled by gravity and unloading hose will be close to the underground pipeline to avoid and spark.
- 5. The initial sample of soak test will be taken and named as before soak test sample.
- 6. After 4 days take the samples and send the sample to DGCA approved lab for Full specification of Jet A1 analysis.
- 7. Test results are compared to the fuel specification limits and establish whether the system is suitable for use.
- 8. If the sample does not meet the aviation specification re-sampling will be done and send sample to lab for the same test analysis as mention above.
- 9. If sample does not meet the product specification, the product in the pipeline will be Evacuated per directions from DAFFPL, the contractor has to act as per the directions of engineer in charge and evacuate the entire product into underground tank/above ground tank/ TT's available at the facility by making the necessary arrangements.

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7.3.3 EVACUATION OF PRODUCT

If the product fails at any stage in the process. The cause of failure should be analyzed. Evacuation of fuel from receipt header line will be done in consultation with DAFFPL/EIC. The product will be transferred to tank truck (Creation of manifold to facilitate transfer of product into TTs & flame proof pumps shall be by the Contractor) with the help of air diaphragm pump & flameproof pump. The product will be sent to terminal for further process of action. The process of evacuation will be done in the supervision of DAFFPL/EIC.

8. COMMISSIONING METHODOLOGY

The flushed product will be decanted into the of the above ground/underground tanks depending upon the availability, through either a temp. manifold created by the contractor or as per directions of DAFFPL/EIC. The pumping and all necessary arrangements have to be made by the contractor.

8.1 MANIFOLD FOR FLUSHING

The temporary' manifold will be fabricated and to be installed by Contractor. The manifold will be attached to the pipeline at dead end of header depending on site conditions. Suitable provision of Millipore & Pressure gauge vent and drain will be provided in the manifold. Pressure test, soak test of manifold shall be carried out before installation at site.

The activities involved in flushing operations are as given below:

> Commissioning of Temporary manifold

- Pneumatic Test manifold up to test pressure 6 bar.
- Facility Inspection.
- Millipore connection.
- Soaking of manifold for 4 days.
- Isolation valve arrangement and valve integrity.

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- > Flushing of Receipt Header Line
 - Flooding of Receipt Header by ATF.
 - Establishment Flow Rate for Flushing.
 - Lining up of the system.
 - Flushing.
 - Sampling, Analyzing and Comparing Test Result.

8.2 FLUSHING OF NEW RECEIPT HEADER LINE

In the flushing process, the following steps will be taken by the Contractor:

- 1. Before starting of flushing all the teams will be briefed about procedure and sign in the attendance sheet for flushing should be taken.
- 2. Check the status of TT's/Tank cleaning record
- 3. Ensure manifold to flush into TT's/Tank is secure & ready for use.
- 4. Inform and give the clearance to pump operator for starting of the pump/pumps.
- 5. After filling of all TT/Tank as per the required volume inform the pump operator to stop the pumps.
- 6. Close the manifold isolation valves.
- 7. If TT's are used, TT's shall be unloaded in isolated Tank ready for soak test.
- 8. 'Test B' batch formation test will be carried out.
- 9. Colorimetric and a gravimetric filter test will be carried out on the fuel.
- 10. Record the wet and dry result of colorimetric and send the gravimetric membrane to DGCA approved lab for analysis.

8.3 SAMPLING, ANALYSIS & COMPARING TEST RESULTS

The sampling team will do mid sampling during flushing operations to ensure the quality of the fuel during flushing.

The field version of the Filter Membrane test (colorimetric test) shall be carried out at outlet of header dead end. Analyzing and comparing test results will be carried out by approved methodology only. The testing team will ensure that the kits are available

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before start of flushing and colorimetric testing membranes shall be kept for Analyzing.

8.4 DE-PRESSURISATION OF NEW RECEIPT HEADER LINE

Once flushing will be completed, Receipt Header shall be depressurized by venting fuel from Temporary High Point. Pit Cleaner should be kept ready in order to reduce the spillage.

9. COMPLETION

Completion of all flushing activities the following activities are carried for completion certification.

- 1. Sample of the flushed product from the tank truck/tank shall be sent for Full specification test (Test B).
- 2. In case of sample failure, it is the responsibility of the contractor to evacuate the product (including dead stock) from TT/tanks into designated area as per direction of EIC. No extra payment shall be made in this regards.

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Document No.:		Rev.:		

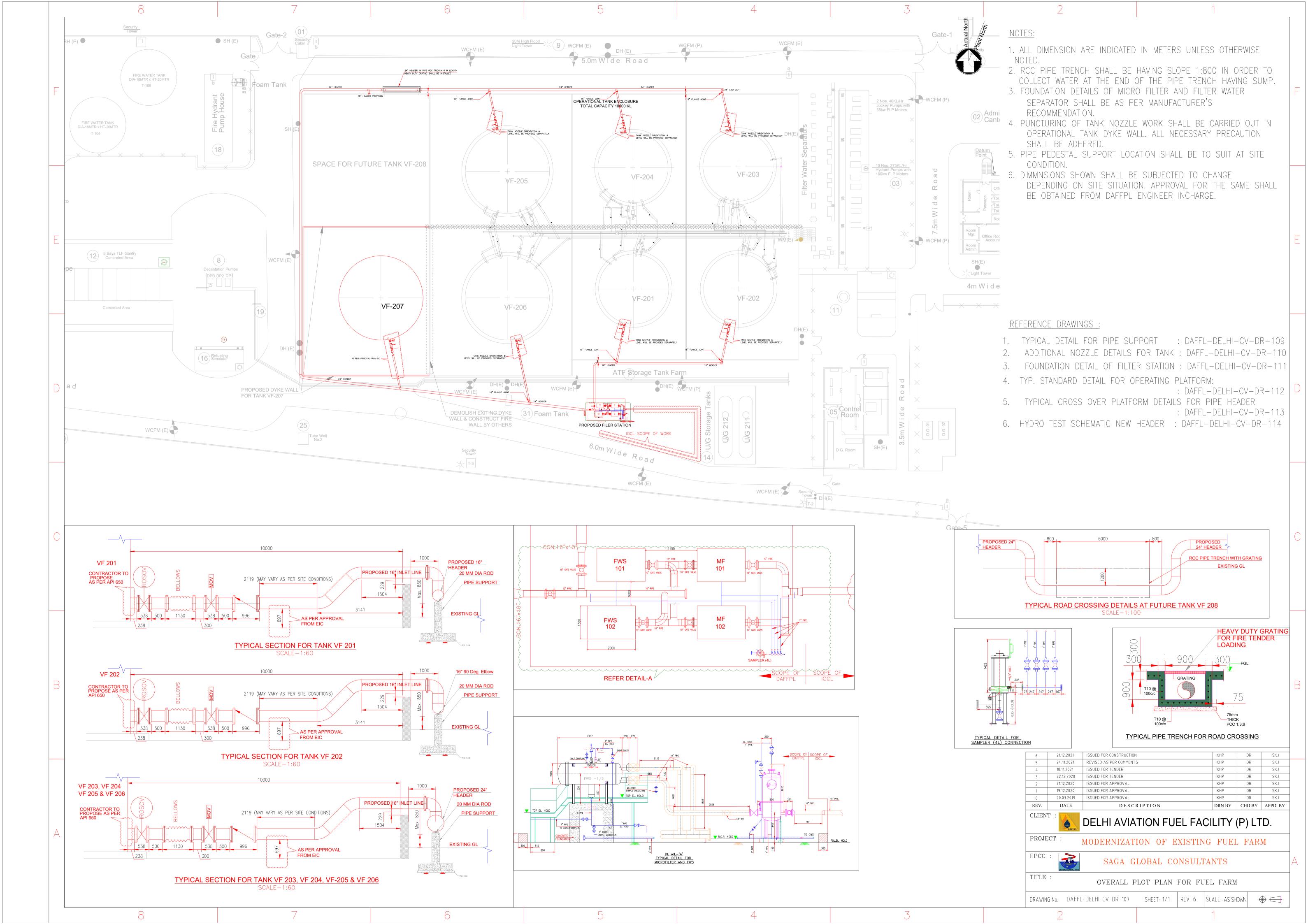
ANNEXURE E APPROVED MAKE LIST

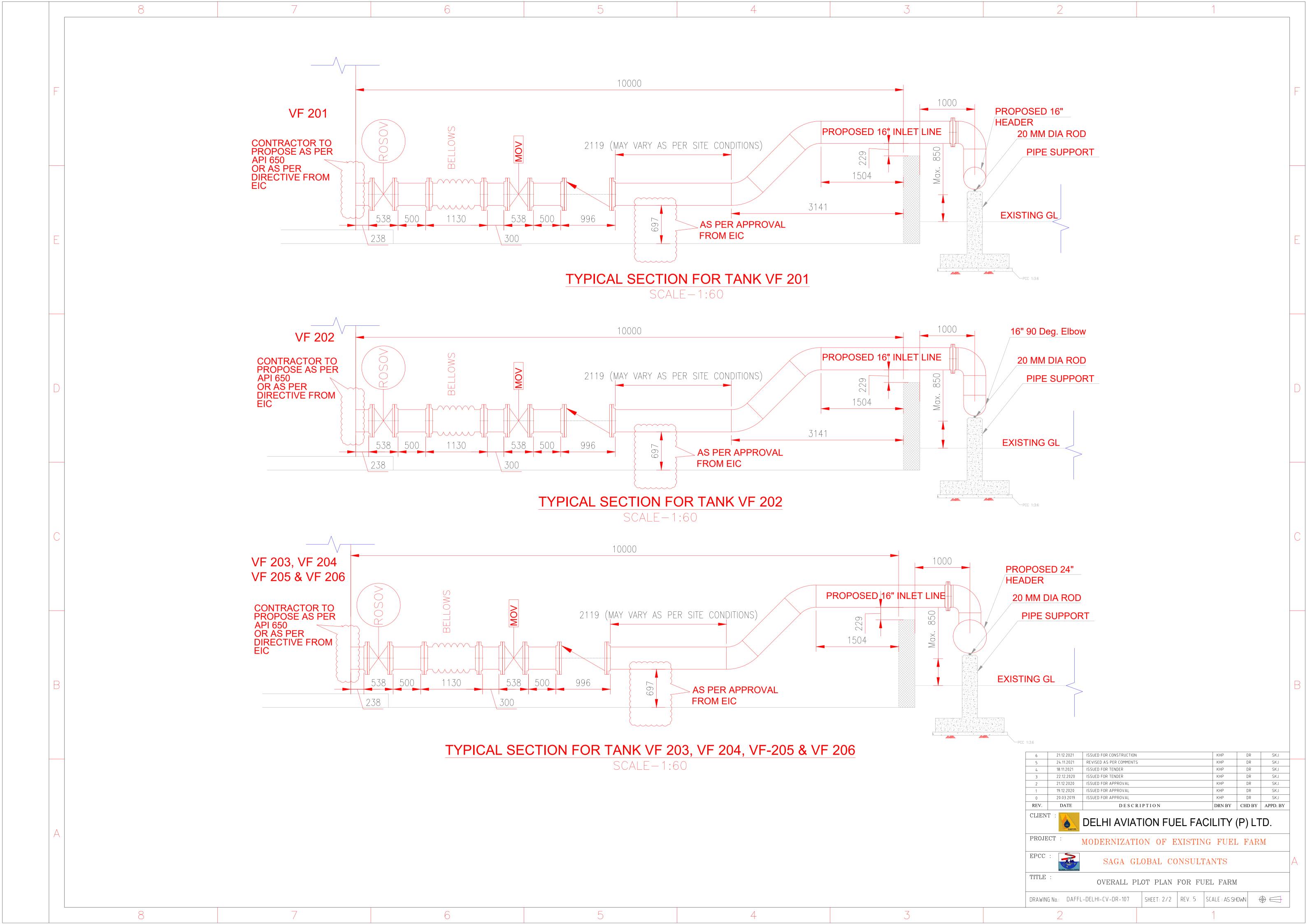
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1	PIPE LINES; - API5L / AMSE B.36.10	JINDAL PIPES
		MAHARASHTRA SEEMLESS
		JINDAL SAW
		ISMT
		MAN INDUSTRIES
2	PIPE FITTINGS	CSA FITTINGS
		TUBE PRODUCTS
		TEEKAY TUBES
		SIDDHARTH GAUTAM
		MS FITTINGS
3	FLANGES	PARAMOUNT FORGE
		MS FITTINGS
		JK FORGING
4	GASKETs (Neoprene Gaskets)	UNI- KLINGER LTD
		IGP ENGINEERS
		MADRAS INDUSTRIAL PRODUCTS
		CHAMPION SEALS
		LEAK CONTROL
5	FASTENERS	PRECISION ENGINEERS
		DEEPAK FASTNERS
6	MANUAL VALVES (10" AND BELOW)	LEADER VALVES
		OSTWAL VALVES
		MICRO FINISH VALVES
7	LOCAL CONTROL STATION	COMET BRASS PRODUCT
		FLEX PRO ELECTRICALS
		FLAME PROOF ELECTRICAL PVT LTD
		FCG FLAME PROOF
8	INSTRUMENT FITTING (SS TUBE AND TUBE	SWAGELOCK
	FITTING)	ASTEC
		SANDVIK ASIA
		KOBE
9	SS PIPES	MAHARASHTRA SEAMLESS
		ISMT
10	STRUCTURAL STEEL & REINFORCEMENT STEEL	SAIL
		TATA STEEL

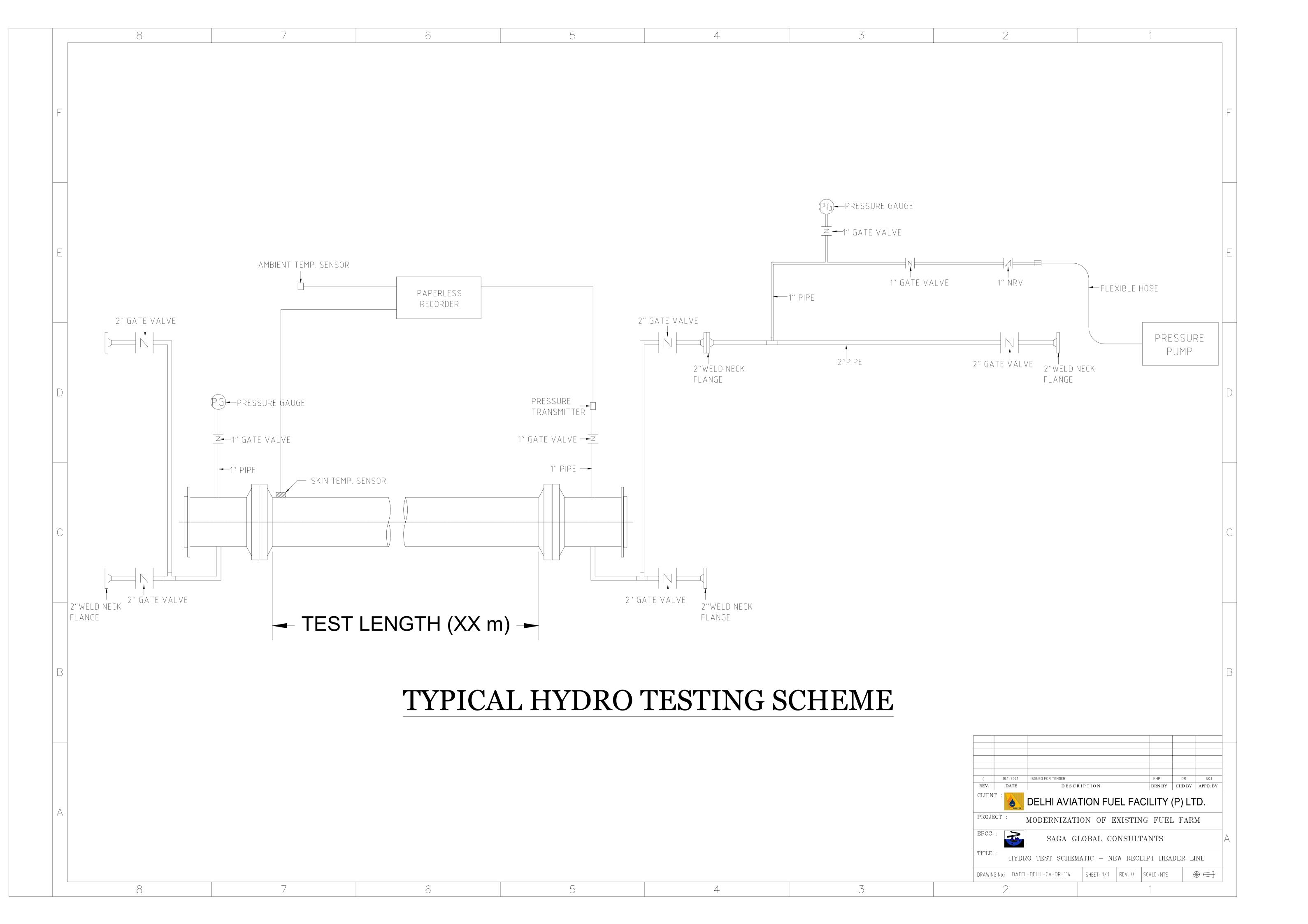
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Project Name:	Providing Design Consultancy Services for Laying of Additional Receipt Header inside Fuel Farm Facility of DAFFPL.			
Document No.:		Rev.:		

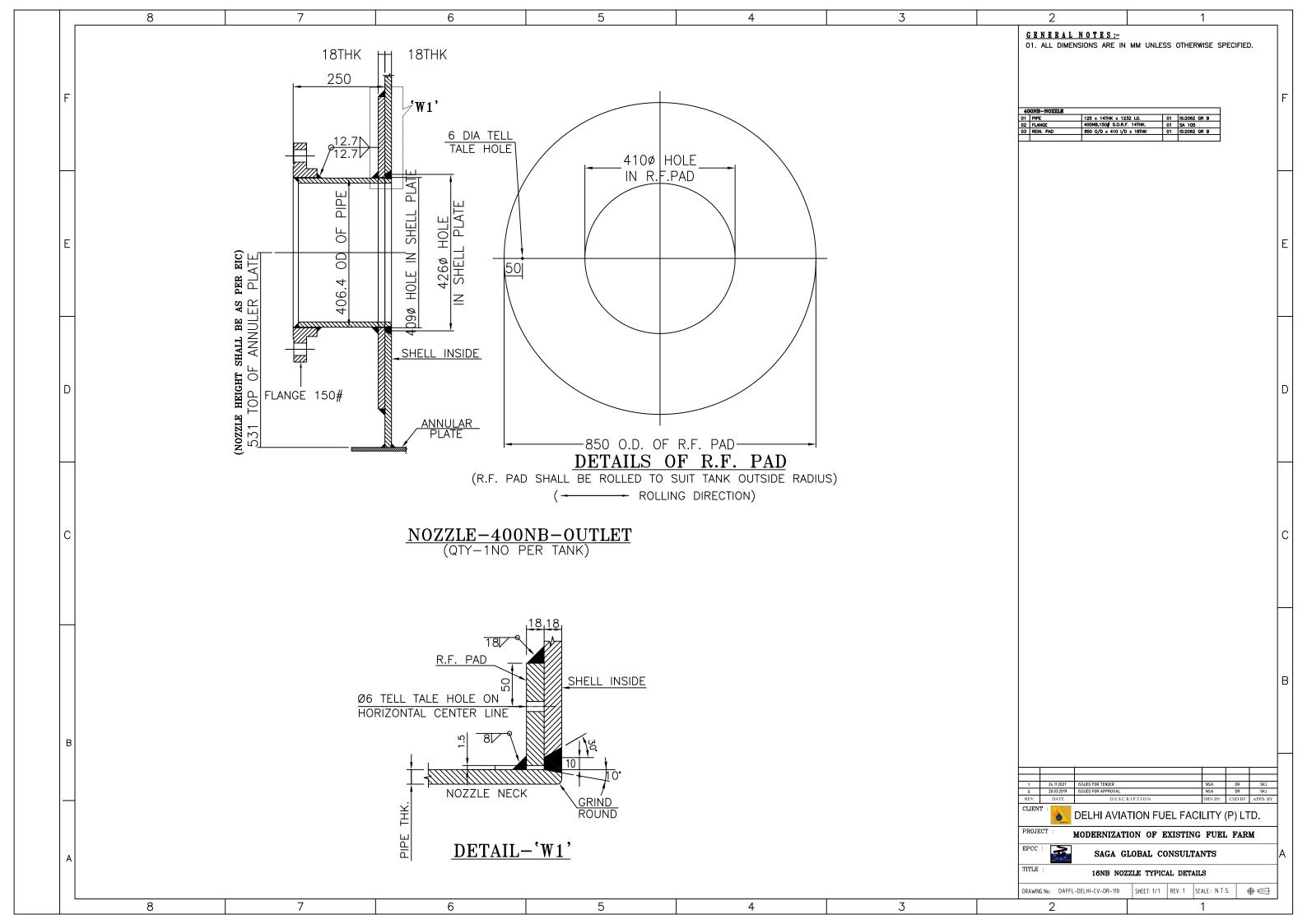
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		SAIL		
		RINL		
		TISCO		
11	PAINTS	ASIAN PAINTS		
		BOMBAY PAINTS		
		SHALIMAR		
12	THIRD PARTY INSPECTION	BVI		
		TUV		
		SGS		
		DNV		
		LLYODS		
13	CEMENT	ACC		
		Ultra Tech Cement Ltd		
		Vasvadatta Cement		
		Ambuja Cements Ltd		
14	WATER PROOF CEMENT	SNOWCEM		
		SUPERCEM		
15	PRESSURE GUAGES & INDICATORS	BOURDON		
		MANOMETER		
		BAUMER TECHNOLOGIES		
16	ELECTRIODE AND FILLER WIRES	ESAB		
		ADOR		
		LINCOLN		
		D&H WELDING ELECTRODE		

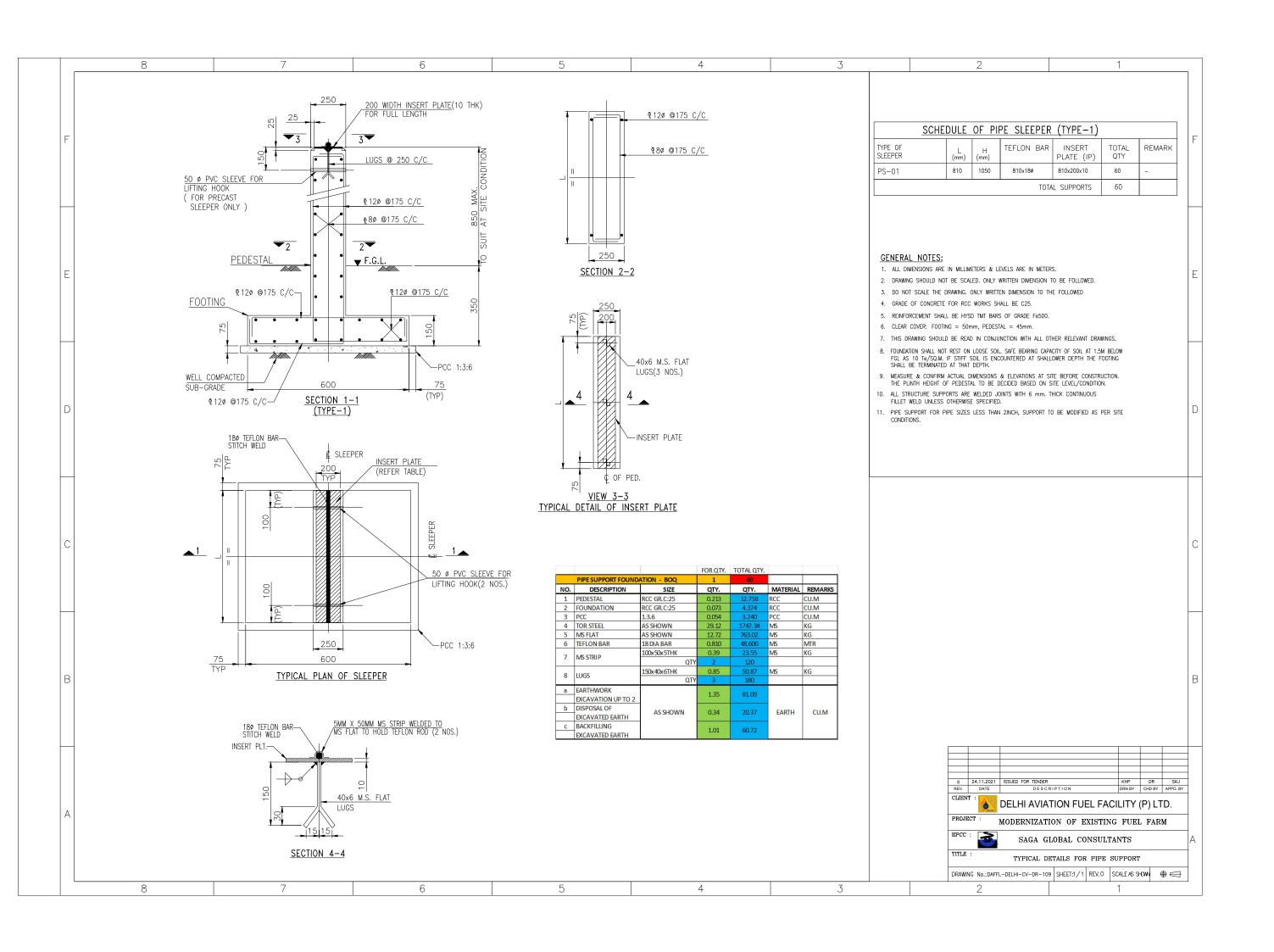
Note: For all items mentioned in BOQ, Make approval from EIC is to be taken.

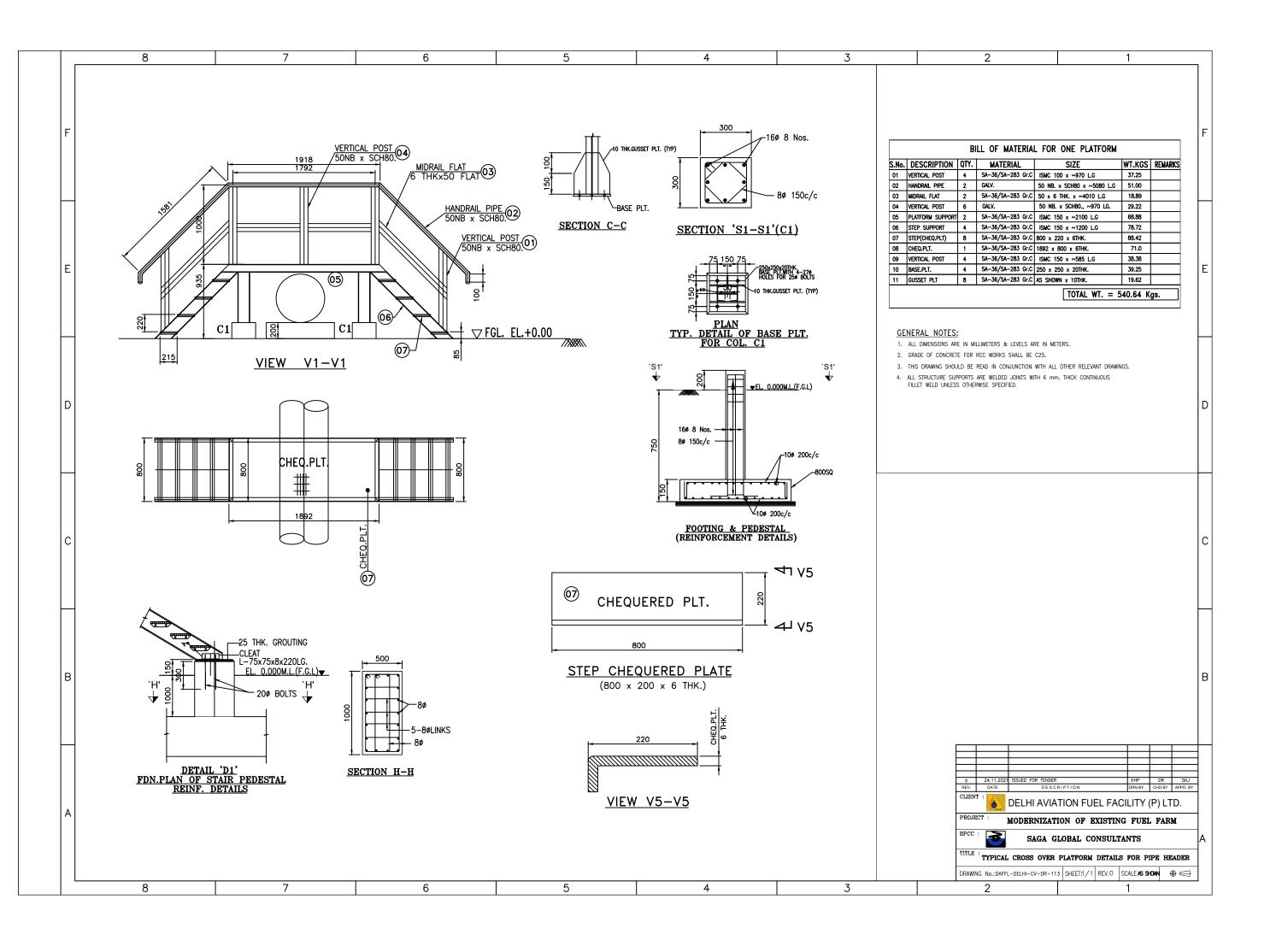


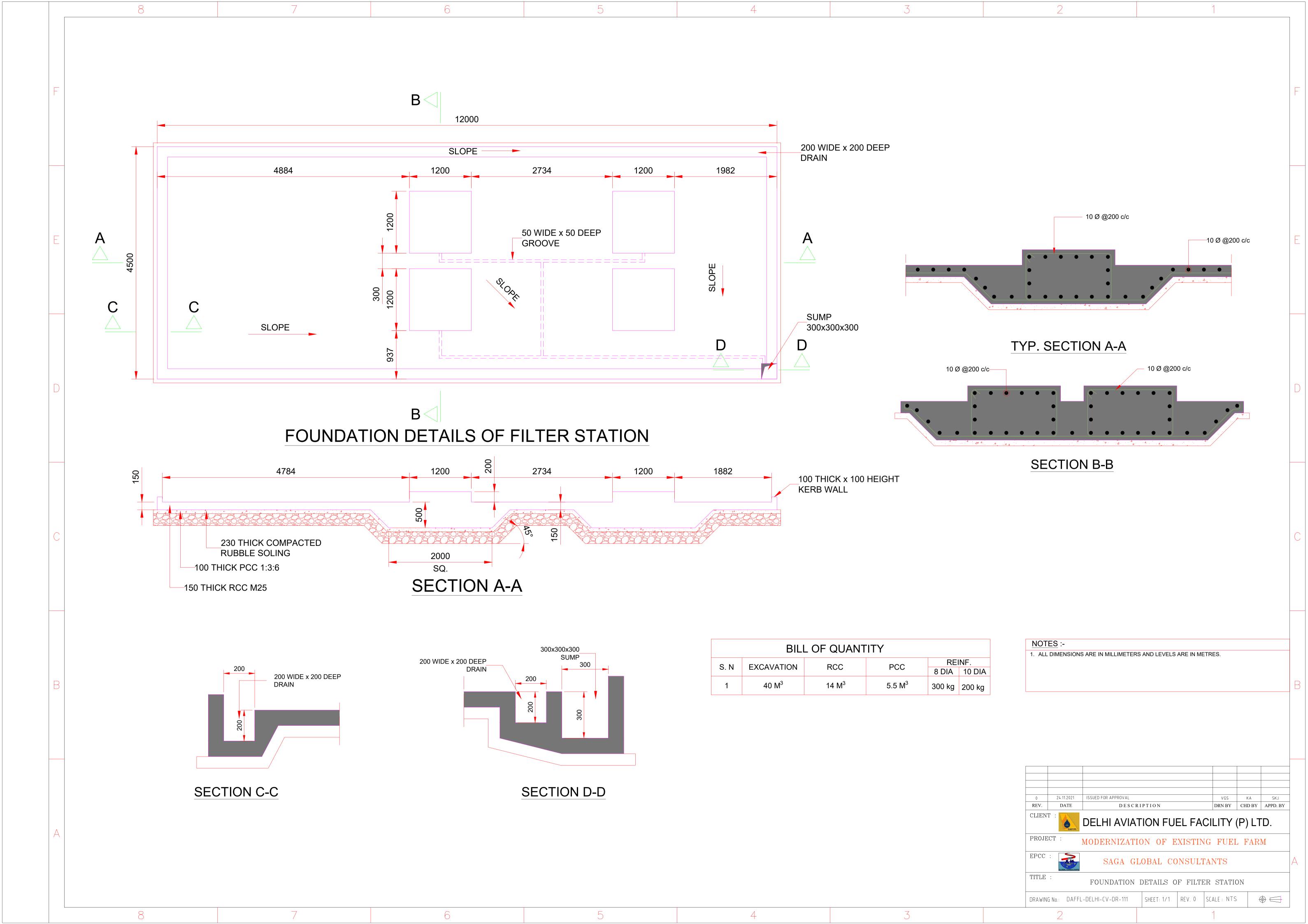


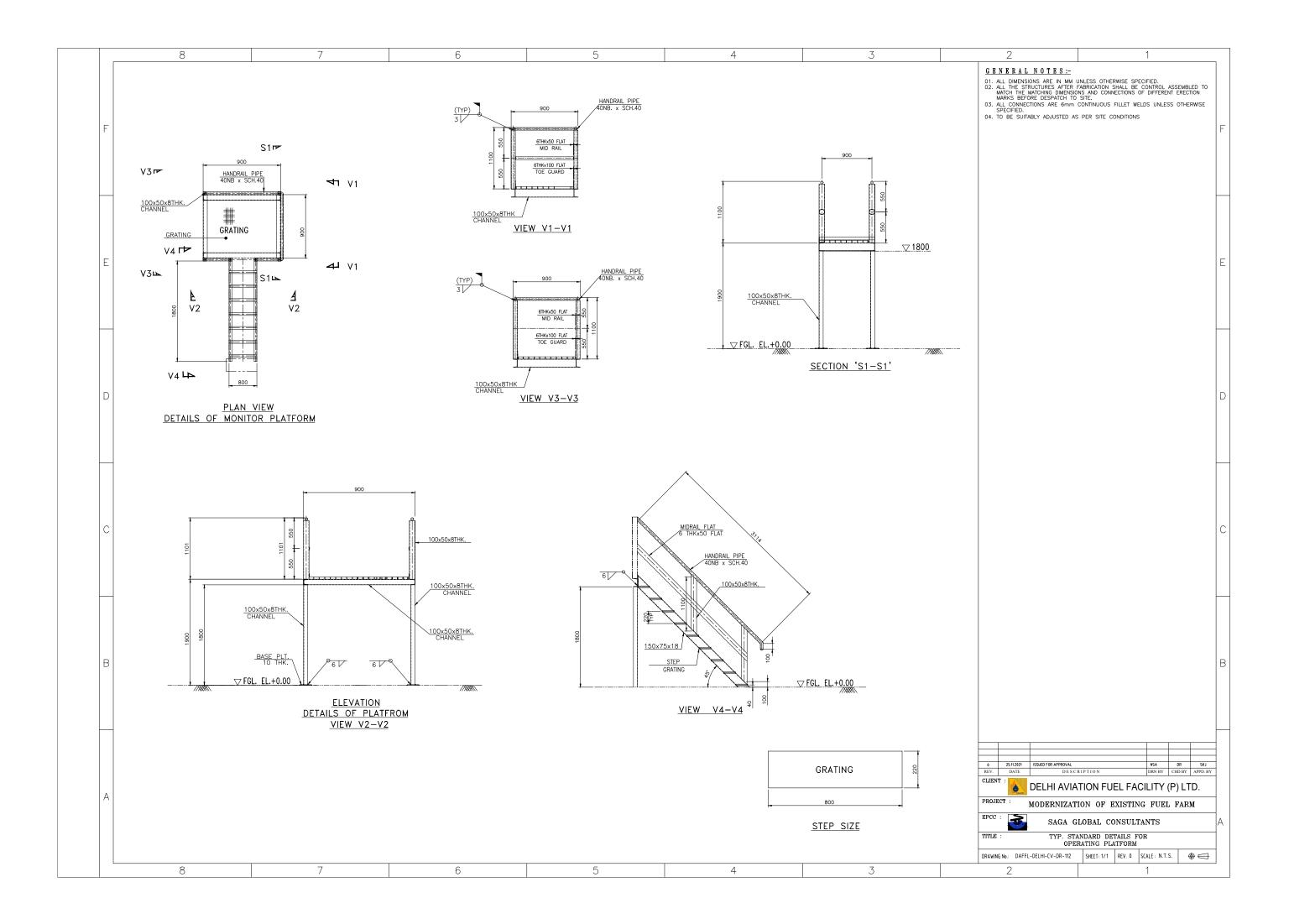














ANNEXURE I – DEVIATION SHEET

EXCEPTION AND DEVIATIONS STATEMENT						
S.NO.	PAGE NO. OF TENDER DOCUMENT	CLAUSE NO.	SUBJECT	DEVIATIONS		

Bidder shall list all the deviations in the following given format only on their Letterhead. The Deviation sheet should be submitted along with technical bid.

In case no deviation sheet is submitted along with technical bid, it would be concluded that bidder has accepted all specifications, terms and conditions.

ANNEXURE II - DECLARATION SHEET

1	$\overline{}$			
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DECLARATION

We, M/s hereby, unconditionally accept all terms & conditions of TENDER NO.: DAFFPL/MOD/FF/2021-22/11 (JOB: TENDER FOR MECHANICAL, CIVIL & ASSOCIATED WORKS FOR LAYING OF PIPELINE HEADER AT DAFFPL) including Scope of job, quantities, completion period, terms & condition without any deviations.

Sign & Stamp of Bidder

Note: In case of deviations (whether technical or commercial) the above declaration should not be submitted, and the deviations should be mentioned separately on bidders letter head with the heading "DEVIATION SHEET". In absence of "DEVIATION SHEET", it would be concluded that bidder has submitted his offer as per tender specifications, terms & conditions. Corrections in tender booklet will not be accepted.

ANNEXURE-III

PROFORMA OF BANK GUARANTEE (EARNEST MONEY DEPOSIT)

(On Non-Judicial Stamp paper for appropriate value)

BANK GUARANTEE NO.:
BANK GUARANTEE AMOUNT:
CLAIM:
(Till 120 days from date of submission of Proposal)
TENDER NO. /DATE:
JOB DESCRIPTION/
LOCATION:

Tender Security No. [*]

Name and Address of the Beneficiary: Delhi Aviation Fuel Facility (Private) Limited Aviation Fuelling Station, Shahabad Mohammadpur, IGI Airport, New Delhi – 110 061, India

We [name and address of the issuing bank] have been informed that [Name of the Interested party] (hereinafter called the "Interested Party") is submitting a proposal for the Award of the Works in response to a Request for Proposal ("RFP") by Delhi Aviation Fuel Facility (P.) Ltd. ("DAFFPL" or 'Beneficiary") for [Insert description of work] ("Works"). The conditions of the RFP, which are set out in a documents entitled Request for Proposal dated [Please insert] require its offer to be supported by a Tender Security.

At the request of the Interested Party, w	e hereby irrevocably und	ertake to pay you without
demur, the Beneficiary, any sum or sums	not exceeding Rs	_ [Please insert].

Upon receipt by us of your demand in writing and your written statement (in the demand) stating that:

- 1) The Interested Party has, without written consent of DAFFPL, withdrawn its offer after the latest time specified for its submission and before the expiry of its period of validity; or
- 2) The Interested Party has refused to accept the correction of errors in nits offer in accordance with the instructions to Interested parties contained in the RFP; or

Sign 8	Stamp	of Bide	der



- 3) DAFFPL entered in to the contract with the Interested party but the Interested party has failed to deliver the **COMPOSITE BANK GUARANTEE (SECURITY DEPOSIT & PERFORMANCE)** in compliance with the Contract conditions; or
- 4) The Interested Party has failed to enter into the Contract within 30 (Thirty) days of being required to do so by the Tender Officer.

Any demand for payment must contain your signature(s). The demand must be received by us at this office on or before the expiry of the earliest of the following dates, when this security guarantee shall expire and shall be returned to us:

- a) Date of issue of letter communicating to the Interested Party that it has not qualified for the contract or the Proposal submitted by the Interested Party is unsuccessful or the TENDER is withdrawn and/or cancelled by the Beneficiary; or
- b) 7 (seven) days after the date of delivery of an acceptable performance bond complying with the Contract conditions and execution of the Contract after the award of the works to the Interested Party; or
- c) 120 (One hundred twenty) days from the last date of submission of Proposal in accordance with the TENDER.

accordance with the LENDER.	
Date:	
Signature:	
Designation:	
Name of the Branch	



ANNEXURE-IV

PROFORMA OF COMPOSITE BANK GUARANTEE (SECURITY DEPOSIT & PERFORMANCE)

(On Non-Judicial paper of Rs. 100/-value)
То,
DAFFPL
Dear Sirs,
M/shave taken tender for the workfor DAFFPL,.
The tender Conditions of Contract provide that the Contractor shall pay a sum of Rs
 Wehereby undertake and agree with you that if default shall be made by M/sin performing any of the terms and conditions of the tender or in payment of any money payable to Daffpl. We shall on demand pay to you, without demur, protest or requiring you to seek recourse to M/s, in such matter as to you may direct the said amount of Rupees



	and/or that any dispute or disputes are pending before any officer, tribunal or court.
4.	The guarantee herein contained shall not be determined or affected by the liquidation or winding up dissolution or change of constitution or insolvency of the
	saidbut shall in all respect and for all purposes be binding operative units payment of all money due to you in respect of such liabilities is paid.
5.	Our liability under this guarantee is restricted to Rupeesour guarantee shall remain in force untilunless a suit or action to enforce a claim under Guarantee is filed against us within six months from
	rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.
6.	NOT WITHSTANDING anything hereinbefore contained our liability under this Bank Guarantee is restricted to Rupees(Rupeesand we are liable to
	pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before
7.	This guarantee is to be returned to us within fifteen (15) days from the date it ceases to be in force. If the guarantee is not returned to us within the date of aforementioned it shall be automatically cancelled.
8.	We have power to issue this guarantee in your favour under Memorandum and Articles of Association and the undersigned has full power to do under the Power of Attorney datedgranted to him by the Bank.
Yo	urs faithfully
	its Constituted Attorney
Sig	nature of a person duly thorized to sign on behalf of the bank

Annexure-V

Form of Letter of Undertaking

[On the letterhead of the Interested Party]

Letter of Undertaking

Date:

Delhi Aviation Fuel Facility (Private) Limited Aviation Fuelling Station, Shahabad Mohammadpur, IGI Airport, New Delhi – 110 061, India

Re:

The undersigned Interested Party acknowledges that the TENDER issued is confidential and personal to the undersigned Interested Party and hereby undertakes and agrees as follows:

- 1. "Confidential Information" means the TENDER and everything contained therein, all documentation, data, particulars of the Works and technical or commercial information made by (or on behalf of) Delhi Aviation Fuel Facility (Private) Limited or obtained directly or indirectly from Delhi Aviation Fuel Facility (Private) Limited or its representatives by the undersigned Interested Party or which is generated by the undersigned Interested Party or any information or data that the undersigned Interested Party receives or has access to, as a result of the TENDER, as being confidential information of Delhi Aviation Fuel Facility (Private) Limited, provided that such term does not include information that (a) was publicly known or otherwise known to undersigned Interested Party prior to the time of such disclosure, (b) subsequently becomes publicly known through no act or omission by undersigned Interested Party or any person acting on its behalf.
- 2. The undersigned Interested Party shall maintain the confidentiality of Confidential Information in accordance with procedures adopted by the undersigned Interested Party in good faith to protect confidential information of third parties delivered to it, provided that the undersigned Interested Party may deliver or disclose Confidential Information to its authorized representatives who agree to hold confidential the Confidential Information substantially in accordance with the terms of this Undertaking.
- 3. The undersigned Interested Party shall not at any time whatsoever:
 - (i) Disclose, in whole or in part, any Confidential Information received directly or indirectly from the Delhi Aviation Fuel Facility (P) Limited to any third party.



- (ii) Reproduce, publish, transmit, translate, modify, compile or otherwise transfer the Confidential Information.
- 4. In case the Proposal of the undersigned Interested Party is not accepted and immediately upon the acceptance of the Proposal of any of the other Interested Party, the undersigned Interested Party, shall:
 - (i) Return all Confidential Information including without limitation, all originals, copies, reproductions and summaries of Confidential Information; and
 - (ii) Destroy all copies of Confidential Information in its possession, power or control, which are present on magnetic media, optical disk or other storage device, in a manner that ensures that the Confidential Information is rendered unrecoverable.
- 5. The undersigned Interested Party shall certify to Delhi Aviation Fuel Facility (Private) Limited that it has returned or destroyed such Confidential Information to the Delhi Aviation Fuel (Private) Limited within two (2) days of such a request being made by Delhi Aviation Fuel (Private) Limited.

Name of Interested Party's

Signature of Authorized Representative

Sign & Stamp of Bidder



Annexure VI

DECLARATION to be submitted along with Technical Bid

Sign & Stamp of Bidder



ANNEXURE VII

STATEMENT OF CREDENTIALS

NA	AME AND CORRESPONDENCE ADDRESS OF THE TENDERER
E	RMANENT ADDRESS OF THE TENDERER
	-
ГΕ	LEPHONE NO
M	OBILE NO
N.	AME OF CONTACT PERSON(s):
NA	AME OF THE AUTHORISED SIGNATORY:
	va-il ID.
c i	Mail ID:



(B)	TYPE OF BUSINESS ENTITY:	
1.	YEAR OF ESTABLISHMENT OF THE FIRM:	
2.	SOLE PROPRIETORSHIP: -	
	(Give Name of the Proprietor)	
	OR	
3.	PARTNERSHIP FIRM?	
	(Give names of the Partners and enclose scan copy of Partnership deed)	
	1.	
	2.	
	3.	
	4.	
	OR	
4.	PRIVATE OR PUBLIC LIMITED COMPANY?	
	(Attach list of Directors and copy of Certificate of Incorporation as defined in "Othe Mandatory Documents")	r
(C)	Details of Completed Purchase Orders of minimum value as per Pre-qualification criteria (PQC/BQC) during last SEVEN years as specified in PQC/BQC of the tender.	



SI.	Particulars	1	2	3
No				
а	Party's Name to whom supplied, Clear Postal			
	Address, Telephone/Fax Nos and E-Mail			
	Address.			
b	Purchase Order Details-			
	PO Reference No.			
	PO Date			
	PO Value (Rs. in Lakhs)			
С	Quantity & place of supply			
d	Scheduled time of completion as per PO			
е	Date of commencement of supply			
f	Date of completion of supply			
g	Completion certificate reference and date			
	1	1		

Note: a. Tenderer should furnish copy of the above-referred orders (as defined under PQC documents) and

b. Enclose a separate statement if space is not sufficient.

(D) Annual Turnover (as per Audited Balance Sheet) in following last THREE financial years

SL No.	Financial Year	Value (Rs. In Lakhs)
1	2018-2019	
2	2019-2020	
3	2020-2021	

Note: Tenderer should furnish copy of audited accounts as proof of turnover (as defined under tender documents).

(E) INCOME TAX DETAILS:

i. Income Tax Returns Filed:

ASSESSMENT YEAR	DATE	ACKNOWLEDGEMENT NO
2018-2019		
2019-2020		
2020-2021		

Note: Tenderer should furnish copy of the Income Tax Return filed.

ii. Income Tax Assessment Orders for following three financial years:

ASSESSMENT YEAR	ASSESSMENT ORDER & DATE	REMARKS
2018-2019		
2019-2020		
2020-2021		

Copies of Income Tax assessment orders / return filed / acknowledgement order for the three years as indicated above.

(F) GST Registration Details:

GST Registration no	

Note: Tenderer should furnish copies of above Tax Registration Certificates.



(G) Mode of EMD (Online EMD or BG):

i. If paid Online:

AMOUNT	Rs.
(RTGS/NEFT/NET BANKING)	
Transaction Detail	

ii. If Bank Guarantee submitted (following details to be given):

Name of the Issuing	Bank	BG	Date of	Valid Upto
Bank and Branch	Guarantee No	Amount	issuance	
Address	and Date	Rs.		

(H) Production Capacity Details: (in case of manufacturer)

S.	Item	Factory/	Installed/	Already Committed	Spare	Capacity
N		Location	Capacity	Capacity Capacity (For current		Committed
				Purchase orders in		to DAFFPL
				hand)		against this
						tender
			Α	В	C=A-B	

	DELMI AVIATION FUEL FACILITY PRIVATE LIMITED				
Fac	tory License and Address Details:				
(J)	In case the bidder is not a manufacturer, the bidder should submit an undertaking on Letter Head that the bidder is capable of supplying the material / equipment as per tender requirement.				
(K)	Pan Card Details				
	Relation of Pan Holder to Tenderer (PROP./PARTNER/COMPANY ETC.)				
	(Tenderer is required to upload copy of PAN card as detailed in "Other Mandatory documents")				
(L)	Details of Documents uploaded along with Tender documents in technical bid and confirmation required to be furnished by tenderer.				



Dated:

PAYMENT TO VENDORS THROUGH ELECTRONIC MODE

Tenderers are requested to submit their Consent Letter as per the format given below along with the enclosures as required:

To,		
M/s DA	FFPL.	
Dear Si	r,	
With re	ference to your advice, we hereby agree to accept the	ne payment of our bills through
"RTGS/	NEFT/Electronic Mode". The desired bank account d	etails are given below:
1.	Name of Beneficiary	
2.	Name of the Beneficiary's Bank	
3.	Address of the Beneficiary's Bank Branch	
4.	Contact details of Branch with STD Code	
5.	Beneficiary's Bank Account No. (as per cheque copy)	
6.	Beneficiary's Account Type (SB/CC/CA)	
7.	Beneficiary's Bank IFSC Code (11 Digit)	
8.	Mobile No of Beneficiary (One Number only)	
9.	E-Mail Id of Beneficiary (One Mail Id only)	
A blank	cancelled cheque leaf relating to the above bank a	ccount is enclosed for verifying the
accurac	ry of the bank account details.	
I hereb	y declare that the particulars given above are correc	t and complete.
		(Signature of Account Holder)
		Seal of the Vendor
Encl: Ca	ancelled Cheque	
		Sign & Stamp of Bidder
		Jigii & Jiaiiip di biduei