



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

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



TENDER NO: DAFFPL/FF/2026-27/01

**INVITING TENDER FOR DESIGN, FABRICATION & SUPPLY OF
20KL PIT FLUSHING TRUCK**

BID DUE DATE & TIME: 1500 Hrs. IST on 05th October 2026

OPENING OF TECHNICAL BIDS: 1600 Hrs. IST on 05th October 2026



Contents

CHAPTER 1: NOTICE INVITING TENDER (NIT)	3
CHAPTER 2: GENERAL INFORMATION & INSTRUCTIONS TO BIDDERS	15
CHAPTER 3: SCOPE & PERFORMANCE OF WORK	20
CHAPTER 4: GENERAL TERMS & CONDITIONS	23
FORMAT FOR TRIPARTIE AGREEMENT	42
FORMAT FOR CONTRACT AGREEMENT	46
ANNEXURE A: SCOPE OF WORK & TECHNICAL SPECIFICATIONS	
Annexure I :	DEVIATION SHEET
Annexure II :	DECLARATION SHEET
Annexure III :	PROFORMA OF BANK GUARANTEE
Annexure IV :	PROFORMA OF COMPOSITE BANK GUARANTEE
Annexure V :	LETTER OF UNDERTAKING
Annexure VI :	DECLARATION – BANNED OR DELISTED
Annexure VII :	DECLARATION – INDEMNIFICATION
Annexure VIII :	UNDERTAKING FOR QUOTED PRICE
Annexure IX :	UNDERTAKING FOR FINANCIAL STATUS
Annexure X :	STATEMENT OF CREDENTIALS
PRICE BID	

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.



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

CHAPTER 1: NOTICE INVITING TENDER (NIT)

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).

Delhi Aviation Fuel Facility Private Limited (DAFFPL) invites tenders in prescribed tender form under the 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 (<http://daffpl.enivida.com>) of **Delhi Aviation Fuel Facility Private Limited (DAFFPL)**.

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. Manish Kumar
Deputy Manager Projects
manish.kumar@daffpl.in,
9810640818

Mr. Ajay Singh
Deputy Manager Projects
ajay.singh@daffpl.in, ceo@daffpl.in
9999946309

Delhi Aviation Fuel Facility Private Ltd (DAFFPL) invites bids from eligible bidders for the work detailed below:

1	Tender No.	DAFFPL/FF/2026-27/01.
2	Name of Work	Design, Fabrication & Supply of 20KL Pit Flushing Truck Complete as per Specifications.
3	Tender Fee	Nil.
4	Pre-Bid Meeting Date	15 th September 2026.
5	Pre-Bid Meeting Time & Venue	1500 HRS (IST) at DAFFPL, Aviation Fuelling Station, Shahabad Mohammadpur, New Delhi-110061.
6	Last date of Submission of Query	Up to 1800 HRS (IST) on 17 th September 2026.
7	Last date for Query Response	By 23 rd September 2026.
8	Bid Due Date & Time	Up to 1500 HRS (IST) on 05 th October 2026.



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

9	Technical Bid Opening Date & Time	On or After 1600 HRS (IST) on 05 th October 2026.
10	Delivery/Work Completion Period	08 Months from the date of award/LOI/PO/WO.
11	Bid Validity	05 Months from date of opening of price bids

1. Purchase order for supply part will be placed by DAFFPL and work order for installation part (if applicable) including testing and commissioning works will be placed by fuel farm operator M/s IOSPL on behalf of DAFFPL. The billing by contractor shall be done on DAFFPL only in both cases.
2. **Earnest Money Deposit (EMD) (also referred to as Bid Security):** Bidder shall be required to submit the Earnest Money Deposit (EMD) 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	AAACS8577K
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. **EMD Exemption:**
Submission of EMD is not required in the following cases:
 - i. Government organization & Public Sector Undertaking of the Central / State Government. (Central Public Sector Enterprises are requested to give a self-declaration on their letter head to this effect)



- ii. Startups as recognized by Department for Promotion of Industry and internal trade. (Such Startups are requested to give a self-declaration on their letterhead along with valid documentary proof to this effect)
- iii. Micro & Small Enterprises (MSE's), as defined in MSE procurement policy issued by department of Micro, Small & Medium Enterprises (MSME)/Nation Small Scale Industries Corporation (NSIC). (Eligible Bidders are requested to submit self-declaration on their letterhead along with a copy of their valid Registration MSME/NSIC certificate to this effect.)

d. EMD Submission:

- i. EMD amount up to Rs. 1 Lakh:
 - EMD to be submitted through Demand Draft, Bankers Cheque, Swift Transfer or online payment (NEFT/RTGS/UPI) in DAFFPL account along with the offer.
- ii. EMD amount more than Rs. 1 Lakh:
 - EMD can be submitted through Demand Draft, Bankers Cheque, Swift Transfer or online payment (NEFT/RTGS/UPI) in DAFFPL account along with the offer or through Bank Guarantee (BG). Validity of BG in lieu of EMD shall be at least 3 months beyond bid validity. Bank Guarantee must be as per DAFFPL format.
- iii. Scanned Copy of EMD instrument i.e. Bank Guarantee/Demand Draft etc. has to be uploaded in the un-priced bid and the bidder should also ensure that the original EMD instrument in physical form duly enclosed in a sealed envelope is submitted to the tendering authority.

e. Release of EMD:

- i. EMD of bidders disqualified during techno-commercial bid evaluation shall be released without any interest within 30 days of approval of price bid opening.
- ii. EMD of bidders qualified in the techno-commercial bid but unsuccessful in the price bid stage shall be released without any interest within 30 days of issuance of order/ LoA. EMD of the successful bidder shall be released after receipt of an acceptable SD.



- iii. Wherever SD is not applicable, EMD of the successful bidder shall be returned after complete execution of the order.
- iv. In case bidder has been holiday listed before award of work.

f. Forfeiture of EMD:

Earnest Money shall be forfeited in the following circumstances:

- i. In case the bidder tampers the tender document, alters / modifies / withdraws the bid Suo-moto after opening the bids (Technical bids in case of two bid system) within the validity period.
 - ii. In case the bidder submits false/fraudulent/fake/ forged documents.
 - iii. In case the tender is accepted, and the contractor fails to deposit the ISD/SD or to execute the contract.
 - iv. In case of failure of the bidder to get the documents verified as per the specified time schedule in the tender. (Where verification is done through the Original Document Verification process)
- g. If bid Security / EMD is in the form of bank guarantee, it shall be in the form of irrevocable bank guarantee issued by any Indian Scheduled Bank (other than Co-operative Bank) will be accepted.
3. **PAYMENT TERMS:** The payment will be made after making the necessary deductions as applicable & stipulated elsewhere in the tender document for materials, security deposit or any money due to the Owner etc.
- Payment will be released at the earliest, maximum by 30 days upon completion of all requirements (scope of works/documents/etc.) and after acceptance of Tax Invoice.
 - Notwithstanding any other clause of the tender documents, payment for Goods and Service Tax amount claimed in the invoice for work done (other than procurement of chassis) by the successful bidder will be released only after the invoice is reflected in GSTR-2B of DAFFPL/Owner.
 - PBG/SD/retention amount will be released after completion of guarantee/warranty/defect liability period.
 - Advance Payment is not permissible in this contract.



The following payment terms shall be applicable:

- **Chassis:** 100% payment (including taxes) towards the cost of chassis shall be released by DAFFPL on production of satisfactory TPI report on receipt of chassis at fabricators premises. The chassis shall be in the name of DELHI AVIATION FUEL FACILITY PRIVATE LIMITED. The original tax invoice of the chassis along with chassis insurance in favour/name of "Delhi Aviation Fuel Facility Private Limited" for a period of 01 year shall be submitted for release of payment. (**Order for procurement of chassis will be placed by contractor on chassis supplier/dealer/manufacturer on behalf of DAFFPL. The billing by chassis supplier/dealer/manufacturer shall be done on DAFFPL only and payment for the same will be done by DAFFPL directly to chassis dealer/supplier**).
- **Delivery of Pit Flusher at Site:** The 60% of balance amount excluding taxes (balance amount means the amount after deducting tax invoice amount for chassis from PO amount) with respect to Fabrication shall be released against proof of receipted delivery challan within 30 days from the date of successful delivery of vehicle at site. The following documents are to be submitted by the Vendor for releasing payment for the Equipment.
 1. Invoice in triplicate.
 2. Receipted Delivery Challan.
 3. Guarantee / Warranty Certificate
 4. Certificate of country of origin
 5. Performance Test Certificate duly cleared for acceptance by Third Party Inspecting agency.
 6. All applicable test certificates and related documents.
 7. Proof of payment of customs duty if applicable.
 8. Literature / Operation and Maintenance Manuals – 3 sets.
- **Commissioning of Pit Flusher:** The 20% of balance amount (excluding taxes) shall be released after completion of commissioning works (including closing of snag points if any) at Site.
- **Final PESO Approval/Licence:** The 20% of balance amount (excluding taxes) shall be released after final PESO approval/licence for Pit Flushing Truck/Vehicle is granted to DAFFPL.
- Payment for GST amount against the invoice (other than procurement of chassis) shall be released after reflection of the same in GSTR-2B of DAFFPL.



Arrangement for the Transit e-way Bill under the GST Act for all purchases is the responsibility of the successful bidder/contractor.

4. SECURITY DEPOSIT:

Security deposit (SD) amount shall be equivalent to 10% of the Total Contract Value (there shall not be any upper ceiling for security deposit amount). Total Contract Value shall mean the totality of such remuneration exclusive of Goods and Service Tax. While initially the SD amount shall be 10% of the Work Order value (exclusive of GST), once the work is executed, the total Security Deposit will be on the value of the work actually executed and not on the value of the work order.

The Security Deposit shall be made up of Initial Security Deposit and retention monies of a sum equal to 10% (ten percent) of the gross value of each bill up to and until the recovery of full Security deposit is achieved.

The successful bidder is required to deposit Initial Security Deposit in an amount equal to 2.5% (Two- and one-half percent) of the total contract value in one or more of the following modes:

- a. By Online transfer (NEFT/RTGS/UPI)/Demand draft/Pay Order drawn on a Banking Branch of a Nationalised / Scheduled Bank payable at the location as specified. (Cheques shall not be accepted).
- b. If the Earnest Money Deposit has been made in by Demand Draft or Bankers Cheque or Online transfer (NEFT/RTGS/UPI), the contractor may be permitted to adjust the same towards part of the Initial Security Deposit and pay the balance in the manner stipulated at (a) above.
- c. By Bank Guarantee(s) in the prescribed form, from a Scheduled Bank in India acceptable to DAFFPL, provided the amount covered by such Bank Guarantee is not less than Rs.1,00,000 (Rupees One Lakh only). This Bank Guarantee shall be valid up to a period of 3 (three) months beyond the end of the Defect Liability period.

Alternatively, the vendor also can deposit the full SD amount by DD or Bankers cheque or Bank Guarantee (if the amount of SD is higher than Rs. 1 lac) initially itself in which case no ISD will be required to be furnished and no deductions shall be made from running bills.

The Initial Security Deposit/Security deposit shall be submitted to DAFFPL by above mentioned modes within 30 days from acceptance of purchase/work order.

The amount will be returned to the bidder without any interest at the end of



the warranty / guarantee/defect liability period subject to fulfilment of all contractual obligations by the Bidder. The bank guarantee shall have a minimum claim period of 06 months beyond its validity/expiry date.

5. PRICE REDUCTION FOR DELAY IN DELIVERY/COMPLETION OF WORK:

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

- a) Accept delayed delivery & work completion at prices reduced by a sum equivalent to half percent (0.5%) of the total order value excluding taxes (i.e. sum of amount of purchase order excluding taxes for supply part & amount of work order excluding taxes for installation/services part) 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(excluding taxes). The applicable taxes on value/amount for price reduction shall be additional. The date of supply of all material & work completion i.e., completion of project at DAFFPL site shall be considered for calculation of price reduction.
If final executed value is less than the total order value, then price reduction will be calculated on final total actual executed (supply + installation) value during final billing/payment and adjusted (if applicable).
- b) The price reduction clause shall become applicable for delivery of material/equipment or/and date of completion of works beyond the scheduled delivery/completion period.
- c) Delivery/Completion Period shall be counted from the date of notification of award or letter of intent.

6. PRICE REDUCTION IF THERE IS DECREMENT IN PIT FLUSHER CAPACITY IN FINAL PESO APPROVAL:

It is complete responsibility of contractor/fabricator to select make (from approved list) & model of chassis so that after fabrication & installation of all items & accessories load/weight shall not exceed the load/weight as specified in type approval from PESO i.e., the complete pit flushing truck/ vehicle shall be suitable for final approval from PESO for 20KL Capacity.

If there is any decrease in approved capacity of pit flusher in final PESO approval, then there will be reduction in price by the formula below:

Price Reduction Amount: $[(\text{Awarded Order Amount including taxes deducting chassis tax invoice amount}) \times (\text{decrease in pit flusher capacity (KL) in final approval of PESO})] / 20\text{KL}$.

(Example: Say if approved capacity of pit flusher in final PESO approval is 18KL then price reduction shall be (Rs.): $[\text{Awarded Order Amount including}$



taxes deducting chassis tax invoice amount] x 2]/20.

Fabricator shall submit credit note for amount as calculated above to DAFFPL in case there is reduction in capacity in final approval from PESO.

7. BID-QUALIFICATION CRITERIA

- a) Firstly, the technical bid shall be opened. The Bids shall be initially scrutinized by DAFFPL as per tender requirements of BQC (Bid qualification criteria).
- b) Techno-Commercial bids of only those vendors who will qualify the BQC will be processed further.
- c) The price bids of only techno-commercially qualified bidders will be opened, evaluated and shortlisted for Placement of Purchase/Work Order.

Bidders need to meet the following bid-qualification criteria to qualify for techno-commercial bidding:

➤ **Technical Criteria:**

The bidder shall have satisfactorily executed either of the following during the last 7 years ending 31/08/2026:

The Bidder should have completed at least **one similar work**, costing not less than **INR 139.83 Lakhs**.

OR

The Bidder should have completed at least **two similar works**, each costing not less than **INR 87.40 Lakhs**.

OR

The Bidder should have completed at least **three similar works**, each costing not less than **INR 69.92 Lakhs**.

Notes:

- a. Similar works mean fabrication of Pit Flushers or/and Pit Cleaning Vehicles or/and Aircraft Refuellers.
- b. The untampered/non-modified copies of original purchase/work orders and completion certificates/proof w.r.t. above criteria to be submitted along with bid.
- c. The value of completed job to be submitted by prospective bidders shall be compared with values as prescribed above. There shall be no deduction against Taxes.



- d. For the same project finalized against one tender, if separate orders for supplies and services or variation orders or amendment orders are issued in continuation of the original purchase/work order, then the total value of works completed against the supply & installation components of the original work orders, subsequent variation/ amendment orders put together shall be accepted as one single work completed.
- e. Ongoing contracts (i.e. not successfully completed) shall not be considered irrespective of the value of works completed up to the period mentioned in the tender.
- f. EPC/BOO/BOOT Contracts containing the components indicated in similar works criteria shall also be considered for the purpose of qualification.
- g. Similar works carried out by the Bidder in India or abroad shall be considered. For the works carried out abroad and payments received by the Bidder in foreign currency, proof of remittance shall also be required. The same shall be converted to INR based on the exchange rate as per SBI TT Selling rate as on the last day of the month previous to the one in which the tender was invited to arrive at Work order/completed value amounts.
- h. Similar work as mentioned above should be carried out by the standalone Bidder. Credentials of works executed by Group companies shall not be considered.
- i. Experience of works executed as part of JVs / Consortiums/ MoU Parties shall not be accepted, even if a single involved partner/ party bids for the tender.
- j. Documents submission against Similar Work criteria:
 - 1) In case of Work Order from Indian Government Bodies/Indian PSUs: Copies of Contract Document/Purchase order/Work Order along with either completion certificates consisting of date of completion & executed value.
 - 2) In case of Work Orders from Private Parties (Parties other than specified above), DAFFPL Reserves the right to seek a Certificate from CA certifying value of work executed with TDS certificates (where applicable)/ bank statement shall be required.



8. FINANCIAL CAPACITY

Bidder shall have a minimum average annual turnover of **Rs. 44.44 Lakhs** as per audited financial results in the preceding three financial/calendar years (FY25-26, 24-25 & 23-24). "Turnover shall mean Consolidated Turnover in case of a Bidder having wholly owned subsidiaries"

Note: Turnover for this purpose should be as per audited P&L statement including Balance Sheet/ Published Account/ Profit & Loss Account Statement of the tenderer having UDIN. 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/submitted.

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).

If the bidder's accounts/financial statement is not audited for FY 2024-2025 as on date of bid submission, then certificate w.r.t. annual turnover (with UDIN) duly certified by practicing Chartered Accountant shall be submitted.

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

9. OTHER INFORMATION OF BQC:

- a) 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.
- b) 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 the 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 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.

10. EVALUATION OF BIDS

- a) Project purchase/work order shall be placed on the successful L1 bidder (Technically qualified bidder quoting overall lowest rate) based on Overall Bid amount for Design, Fabrication, Supply & Commissioning of All Materials.
- b) Part offers will be rejected. Bidder has to quote for all items in a lot for us to consider them.
- c) If the cost of two or more bids comes out the same, then preference will be given to the bidder having more turnover in the last three financial years for each category separately.
- d) DAFFPL reserves the right to place an order in part or complete for all/any items for which the bidder has quoted for.
- e) Any efforts by a bidder to influence the owner, the bid evaluation process, bid comparison or contract award decisions may result in the rejection of their bid.
- f) 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.
- g) 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.
- h) The bids without requisite Bid Security/EMD and/or updated/final price bid will not be considered, and bids of such bidder Bidder(s) shall be summarily rejected.
- i) To assist in the examination, evaluation and comparison of technical bids, the owner/ may, at its discretion, ask the Bidder for clarifications on the bid. The request for such clarifications and the response thereto shall be through the e-tendering portal/e-mails.
- j) Prior to the evaluation and comparison of the bids, 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 extrinsic evidence.

- k) A bid determined as substantially non-responsive after final 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.
- l) The successful bidder shall be required to physically visit DAFFPL office along with original copies of all documents submitted along with the bid and subsequently during bid clarification as per the tender's terms & conditions.
- m) **DAFFPL shall place the order on the successful bidder only after physical verification of the documents as mentioned above.**
- n) **The successful bidder shall sign contract agreement within 30 Days from date of purchase order/work order/LOI placed/issued on the bidder.**
- o) The successful bidder shall ensure adherence/compliance to all the tender terms & conditions for the supply and/or execution of works as may be applicable & as mentioned in the tender document or elsewhere (bid clarification, work order, any specific instruction etc.)



CHAPTER 2: GENERAL INFORMATION & INSTRUCTIONS TO BIDDER

1. The Tender is floated in Two Bid system consisting of Part 1 - Technical Bids (Bid Qualification Criteria - BQC, Technical Bid) and Part 2 - Price Bid.
2. DAFFPL reserves their right to negotiate the quoted prices with the lowest bidder.
3. The bidder should be able to supply/execute the entire size/type/quantity bid by them. Bidders cannot bid for part items or part quantity. The bidder cannot sublet the works.
4. The bids submitted should be valid as per the details mentioned in NIT. Once accepted it will remain firm till completion of contracts/orders.
5. 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.
6. 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 of Bidder's EMD.
7. Bids that do not meet the Bid qualification criteria as specified in the bid document shall be rejected. A bid with an incomplete scope of work and/or which does not meet the techno-commercial requirements as specified in the bid document, shall be rejected. Conditional bids will be liable for rejection.
8. 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.
9. The bids without requisite EMD and/or not in the prescribed Performa and within prescribed timelines will not be considered and bids from such bidder(s) shall be rejected.
10. Please refer to query submission end date / time in tender calendar. DAFFPL reserves the right to respond to the query posted by the bidder. However, DAFFPL reserves the right to respond to the queries after cutoff date / time mentioned in tender calendar.
11. 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.
12. The bidders may be invited for a presentation to DAFFPL during Techno-commercial evaluation before the price bid opening.
13. The bidders to provide their bank details, PAN, Goods & Service Tax Registration No., VAT 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.

14. Please note that queries related to scope of work, tender specifications, terms & conditions etc., should be submitted on e-tender portal/e-mail 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.
15. 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.
16. EMD & Techno Commercial bid shall be opened on or after the date mentioned on the tender opening date on e-tender portal. Price Bid of only those bidders whose offer is found meeting both BQC & techno-commercially acceptable, shall be opened on a later date as decided by DAFFPL.
17. DAFFPL reserves the right to accept any one or more bids in whole or in part or reject any or all bids without assigning any reason. DAFFPL reserves the right to accept any one or more bids in part. Decision of DAFFPL in this regard shall be final and binding on the bidder.
18. A Pre-bid meeting shall be conducted & same is scheduled as per details mentioned in NIT at the office of DAFFPL, New Delhi. All prospective bidders can participate in the same. Any clarification regarding the tender shall be sorted out during the pre-bid meeting.
 - a. The purpose of the pre-bid meeting is to clarify any doubts of the BIDDER about the interpretation of the provisions of the tender.
 - b. Bidder(s) are requested to submit their queries, mentioning firm name, clause no. & clause as per tender document 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 the DAFFPL Office as per schedule.
19. Delivery Period/Work Completion Period: Time is the essence of the contract. The scope of work has to be completed within the delivery period mentioned in NIT. DAFFPL Shall appreciate early delivery.
20. The contractual delivery/completion period is inclusive of all the lead time for procurement of raw materials, manufacturing approvals, the manufacturing, inspection / testing, packing or any other activity whatsoever required to be accomplished for effecting the delivery at the required delivery point.
21. The bidder/ contractor shall refer to various sections of this tender document for detailed scope of work. It is the vendor's/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.
22. 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 teamwork, workmanship of the workers and supervisors.
23. 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.
 24. The bidder shall bear all costs associated with the preparation and submission of the bid and the Owner will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
 25. **The bidders should have a valid class 3 Digital sign certificate with encryption.**
 26. Bidders are requested to register on our E-Tendering portal on <https://daffpl.enivida.com>
 27. Bidders can contact e-portal helpdesk numbers 011-49606060, 9355030617 during 9:30hrs to 18:00hrs on working days for any query/assistance for registration & tender documents submission.
 28. **Bidders should avoid the last-minute rush to the website for registration of user id and password, enabling of user id and mapping of Digital Signature etc.**
 29. Bidders are 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 (<https://daffpl.enivida.com>).
 30. The owner is not responsible for any delays from the bidder end.
 31. The owner reserves the right to make any changes in terms and conditions of purchase/works before the due date of bid submission and to reject any or all bids received incomplete.
 32. The owner at its discretion reserves the right to verify information/documents submitted by the bidders.
 33. 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 within a time limit as specified by DAFFPL.
 34. Bidders would be qualified based on data and documents submitted by them.
 35. The owner's decision on any matter regarding short listing of vendors shall be final and no correspondence in this regard will be entertained.
 36. The vendors who are on IOCL/BPCL/DIAL holiday list or delisted will not be considered.
 37. 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.



38. 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 the delay due to any unforeseen event in submission of bid.
39. At any time prior to the bid due date, DAFFPL 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 provide prospective bidders with reasonable time in which to take the amendment into account in preparing their bids, we may, at our discretion, extend the bid due date.
40. 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.
41. 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.
42. 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.
43. **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 & within 15 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.
44. **Vigil Mechanism:** DAFFPL has developed the Vigil Mechanism to deal with references/ grievances, if any, that may be received from bidders who participated / intends to participate in the tender. The details of the same are available on our website www.daffpl.in.
45. **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.
46. **TEST & PERFORMANCE CERTIFICATES:** Bidder shall furnish Material test and Performance Certificates for the materials along with the challans and invoice.
47. 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.



48. The unit rates quoted to arrive at a total price shall be firm and inclusive of all duties, levies, transit insurance, transportation etc. No separate payment shall be made for site mobilization / demobilization, insurance etc.
49. The Schedule of Rates should be read with all other sections of the tender documents.
50. The tenderer shall be deemed to have studied the 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.**
51. All supply and work shall be in line with tender specifications, drawings and instructions of the Engineer-in-Charge.
52. The rate quoted shall be inclusive of all work as mentioned in the scope of work or anywhere else in the tender documents.
53. In case of any rework/rectification/resupply due to faulty workmanship or any defects occur, or modifications are required no extra claims for such works/supply shall be entertained.



CHAPTER 3: SCOPE OF WORK

- a) Scope of supply includes design, fabrication, testing & commissioning & operational testing at DAFFPL site of 01 Nos pit flusher truck/vehicle for door delivery basis at DAFFPL Fuel Farm in New Delhi.
- b) The Pit Flusher Truck/Vehicle is Intended for following applications:
 - 1. Flushing/ Draining of Airport Fuel Hydrant Line Low points into the Flushing Truck.
 - 2. Venting of High Point in Hydrant line into the flushing truck.
 - 3. Flushing of Hydrant Pit Valves into the flushing truck
 - 4. Emptying of isolated parts of the hydrant piping network by defueling.
- c) Procurement of chassis suitable for fabrication of required pit flusher truck/vehicle shall be in the scope of the fabricator. The Chassis should be with factory built-in-cabin and PTO meeting BS-VI certification. It should be from a reputed manufacturer i.e., ASHOK LEYLAND /EICHER /TATA. The model shall be suitable for 20KL capacity pit flusher. However, the fabricator has to intimate to DAFFPL for selected make & model of chassis before procuring the Chassis. The manufacturing date of chassis should preferably of the month in which LOI is issued. However, it shall not be older than three (03) months from date of issue of LOI/PO.

(Note: It is complete responsibility of contractor/fabricator to select make & model of chassis so that after fabrication and installation of all items & accessories, load/weight shall not exceed the load/weight as specified in type approval from PESO i.e., the complete pit flushing truck/ vehicle shall be suitable for final approval from PESO for 20KL Capacity.)

- d) The bidder/fabricator's scope of work includes design, fabrication, testing & commissioning of the complete equipment in line with specifications mentioned in Annexure-A (technical specifications) or anywhere else in tender documents.
- e) The fabricator is required to submit General Arrangement Drawing of the vehicle indicating the location of major components and estimated axle loadings, the flow circuit diagram indicating the location of all of the nominated control functions including those listed in this specification with their make and model, pneumatic & Brake interlock circuit.
- f) All materials/works required for fabrication of vehicles shall be arranged and supplied by fabricator. The quantities mentioned in tender documents



are indicative and if any quantity variation or any item that is not specified in the specifications but is considered essential for completing the fabrication, meeting the desired performance in all respects, shall be deemed to be in the scope of fabricator without any additional cost implication to DAFFPL.

- g) The expenses towards temporary registration/ road permit within India for delivery to referred destination also to be included in the quoted price.
- h) If Octroi, entry tax or any toll tax is applicable in India, enroute for delivery of completed equipment to DELHI, the same would be paid by the Supplier/Bidder which shall not be reimbursed by DAFFPL.
- i) Approvals shall be obtained in writing from the Petroleum & Explosives Safety Organization, Nagpur, Govt. of India, a statutory body, to build the - equipment in accordance with the requirements laid- down in the Third Schedule of The Petroleum Rules 2002. Necessary inspection by PESO officials at the premises of the fabricator to be completed after fabrication but before dispatch of the vehicles to DAFFPL location. All documents & drawings like copy of type approval, fabrication certificate, certificate of safety equipments/fittings with Make & Serial no. such as emergency vent, PV valve, Fusible link, etc. and Hydro-testing certificate of tank & Pipelines are to be submitted for each individual unit. The calculation of stability will have to be done by the fabricator and submitted for approval.
- j) INSPECTION & TESTING:
 - 1) The equipments shall be subject to inspection and testing before dispatch by internationally reputed Third-Party Inspection agency like SGS, Iteng Engineering, Lloyds Register of Shipping, Bureau Veritas. The Vendor shall obtain prior approval from DAFFPL, before the appointment of Third-Party Inspecting Agency.
 - 2) The Third-Party Inspection agency will carry out various stage inspections for which all necessary arrangements will have to be made by the vendor including preparation of inspection schedule in discussion with the inspecting agency & subsequent co-ordination for carrying out the stage-wise inspections. The inspection charges will however be borne by the vendors. The rates quoted for the equipment/material shall be INCLUSIVE of inspection charges. The above inspection will be without prejudice to accepted Guarantee / Warranty. The scope of work for the third-party inspection agency is detailed in Technical Specifications (**Annexure-A**).



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

- k) The offer/quoted amount should also include all other elements like Custom Duties (if any), Insurance charges, approval charges, testing charges, third party inspection charges, transportation, and commissioning charges at site for door delivered price of equipment at DAFFPL Fuel Farm, New Delhi in India.



CHAPTER 4: 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 as a 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. PERIOD OF LIABILITY FROM THE DATE OF COMPLETION OF WORK:

- a) The contractor shall guarantee the materials/work for a period of 24 (Twenty Four) Months from the date of commissioning. 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 or at any time thereafter, become due to the contractor or from his security deposit.
- b) 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 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.

- c) 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.
- d) 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.



- e) Warranty for replacement of material / accessories should be provided free of charge at our premises.
- f) 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.
- g) All the materials, including components and subcontracted items, should be guaranteed by the vendor within the guarantee/warranty period mentioned above. In the event of any defect in the material, the vendor shall replace / repair the material at DAFFPL Fuel Farm at vendor risk and cost on due notice. Vendor shall be solely responsible for getting rectification/replacement of any item of pit flusher truck/vehicle in case of non-performance or any defect observed and fabricator/vendor shall be single point of contact to DAFFPL/Fuel Farm Operator. (Fabricator/vendor means the party/company on which order is placed by DAFFPL against this tender)**
- h) Alternatively, DAFFPL reserves the right to have the material repaired/replaced at the locations concerned, at the vendor's risk, cost and responsibility, in case, vendor does not replace / repair the material.
- i) The Vendor shall provide similar warrantee on the parts, components, fittings, accessories etc. so repaired and / or replaced.
- j) Vendor shall guarantee that the performance of the EQUIPMENT supplied under the CONTRACT shall be strictly in conformity with the specifications and shall perform the duties specified under the CONTRACT.
- k) During the entire warranty period as above, the bidder shall attend to breakdowns within a period of 72 hours. The scope of the vendor shall include the spares, tools & tackles etc. visit of service personnel and other traveling/boarding expenses replacement of defective parts free of cost, if any.
- l) RISK PURCHASE CLAUSE: We reserve the right to curtail or cancel the order either in full or part thereof if you fail to comply with the delivery schedule and other terms & conditions of the order. DAFFPL also reserves the right to procure same or similar materials/equipment and carry out the works through other sources at vendor's/contractor's entire risk, cost and consequences.
- m) 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 or at any time thereafter, become due to the contractor or from his security deposit. 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 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 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 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.
- n) 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 is 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 / SD (Or PGB) 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.

- o) 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.

4. Construction/Execution Program:

A detailed bar chart/Gannt Chart showing various activities shall be prepared and submitted by the successful bidder before undertaking the execution of works without which the bidder may not be allowed to undertake the execution of works.

The supply/work shall be executed strictly as per the agreed time schedule. The period of completion shall include the time required for mobilization, execution, testing, inspection as well as rectification, if any & completion in all respects to the entire satisfaction of the owner.

Monthly/weekly construction/execution programme shall be made by the contractor. The contractor shall adhere to these targets/programme by deploying adequate personnel 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 submit a report daily/weekly (As decided by EIC/Owner) progress of the work done on previous day along with status of/on labour and equipment deployed for each category of work without which the EIC/Owner reserves the right to stop the execution of works.

In case of any delay in handover of any facility/site to the contractor by the Fuel Farm Operator/DAFFPL, or any other hinderance beyond the contractor's scope/control (as approved by EIC) the delay period shall be added to the delivery/work completion period of this contract.

Hinderance register/record has to be maintained by the contractor duly approved/counter signed by EIC on the day/time of hinderance. The price reduction/liquidated damages shall be calculated on the basis of scheduled completion & actual data from hinderance register/record. The decision of EIC shall be binding on the contractor & non-negotiable.



5. Construction Water and Power:

- a) The contractor has to make the necessary arrangements for metering and further distribution for water & power both required for job at no extra cost to DAFFPL. All arrangements/materials shall be as per electrical rules/standards/Approved makes & instructions of EIC.
- b) Electricity can be provided by DAFFPL @ Rs. 21.00 per unit plus tax at a point. The contractor has to then accordingly arrange for required metering and cabling (without any joint) from that point.
- c) 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.

6. Safety Rules and Regulations:

- a) All Safety rules and regulations as applicable at the fuel farm or as directed by the Owner/Fuel Farm operator have to be followed by the contractor without fail. If any damage occurs due to negligence of safety, the contractor will be held responsible for the same.
- b) The contractor is required to take necessary care to protect the existing nearby structure while carrying out his scope of work. Any damage caused to other property shall be rectified at his own cost.

7. 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 its own cost. Results of all inspections & 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.

8. 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. The working site should be always kept



clear 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.

The contractor shall arrange to dispose of debris and any other waste product created while carrying out the work, outside DAFFPL Fuel Farm premises. The Contractor shall take due care while disposing of such waste materials and ensure that any rules/ regulations laid down by Municipal Corporation or any other statutory body are not violated. The Contractor shall be responsible and answerable to any complaint arising out of improper disposal of waste material. The quoted rate shall involve the cost of same and no extra payment shall be made towards this account.

In case of failure to do so by the Contractor, the Corporation shall have the right to get the site cleared at the risk and cost of the Contractor.

9. **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 the Operation Dept. All the entry procedures for labours / machinery / raw materials as per the rules of the DAFFPL/fuel farm will have to be followed by the vendor. Contractor shall visit the site and ensure familiarity with the working conditions / 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 hour of the 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 the rules and regulations of the plant. Trained and experienced supervisors/ engineers are required to be present at the work spot always.



Also, work may get delayed due to operational requirements. Any extra claims on account of the same will not be entertained. Fire Screen as required to be installed to completely seal the area under 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 bidders 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 fuel farm and examines the condition of the site.

10. The delivery period/work completion as mentioned in NIT 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.

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/fuel farm as per OISD standards and all workmen should be provided with necessary PPE (safety helmet, safety belts, safety shoes, electrical gloves etc.) and other standard safety equipment as may be required. Contractors strictly follow the safety norms of fuel farm. Any delay on account of non-adherence to safety norms, rules and regulations of the plant as well as obtaining work permits from the plant shall not be accounted for the delay in completion of the job.

11. Receipt & storage of material at Site: Contractor is required to make his own arrangement for unloading and storage of materials at site. The contractor is required to inform us prior to dispatch of materials, and his representative is required to be available for receipt and unloading of materials at site.
12. For carrying out the jobs inside the fuel farm 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.
13. All electrical works shall be carried out by qualified workers under supervision of class-A/valid electrical license holder.



14. For arranging the electricity vendor to note that only Acoustic Proof, box type DG sets will be allowed inside the depot premises. The vendor also note that proper earthing system as per IS 3043 (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.

15. 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 the Engineer-in-charge shall be final and binding on the contractor.

16. The contractor shall cooperate with other contractors for smooth execution of project related works. Along with the works covered under this contract other works shall be carried out simultaneously by other Contractors. The Contractor shall extend full co-operation to the other Contractors and the works shall be carried out in such a way as not to affect the progress of the project. Any damage caused to other works shall be rectified by the contractor at their entire risk and cost.

17. 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 items and all obligations and responsibilities to be carried out / executed by the Bidder as per terms of the 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 the vendor.

18. 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.

19. Bidder shall quote considering the cost of all approvals, insurances and other applicable charges; nothing shall be paid/reimbursed additionally on any account.

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

21. 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, cess charged & paid / payable on quoted item to enable the owner to claim MODVAT / GST / Input credit.
- c) The statutory variation in Excise duty, Education Cess and Sales tax/VAT/GST/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 an 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, any other Cess and sales tax/VAT/GST etc. applicable on quoted items. It is clearly understood that Owner will not have any additional liability towards charges of Excise Duty, Education Cess, GST and Sales Tax/VAT/GST which is based on Bidders wrong assessment / interpretation of applicability of such Excise Duty and/or education cess and / or Sales Tax/VAT/GST etc.
- 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.

22. 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 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) Accordingly, Bidder shall have the responsibility to check and include such provisions of taxes in the prices.
- d) In the event of a delay in delivery/work completion 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.

23. INSURANCE

- a) Bidder 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. DAFFPL reserves the right to seek these documents at any time.
- b) The bidder/fabricator shall take minimum 01-year validity insurance of chassis in name/favor of DAFFPL while purchasing it from a dealer/manufacturer and submit it along with chassis tax invoice to DAFFPL.
- c) The complete unit including chassis is to be fully insured by the Fabricator against loss, damage, and third-party risks whilst it is in the Fabricator's premises including its transit from chassis supplier to fabricator's premises and till delivery to final destination i.e., DAFFPL Fuel Farm, New Delhi.
- d) The vendor shall arrange transit Insurance for door delivery of equipment's to DAFFPL Fuel Farm, New Delhi for delivery.
- e) The complete unit is to be fully insured by the bidder against loss, damage, and third-party risks till the material/equipment/works under construction is delivered/handed over to DAFFPL. DAFFPL reserves the right to seek these documents at any time.
- f) All goods supplied under the contract shall be fully insured by the vendor against loss or damage incidental to manufacture or acquisition, transportation, storage, delivery and erection. The vendor is advised to take comprehensive insurance for the value of CAPEX amount to the above effect without any cost implication to DAFFPL. DAFFPL won't be responsible



for any theft, damage or loss of equipment/s during the pendency of the project.

- g) The CONTRACTOR shall be at all times indemnify and keep indemnified the OWNER and its officers, servants and agents from and against all third party claims whatsoever (including but not limited to property loss and damage, personal accident, injury or death of or to property or person of any sub-contractor and/or the servants or agents of the CONTRACTOR or any other contractor(s) and any sub-contractor and/or of the Owner), and the CONTRACTOR shall at his own cost and initiative at all times up to the successful conclusion of the "PERIOD OF LIABILITY FROM THE DATE OF COMPLETION OF WORK" hereof take out and maintain insurance policies in respect of all insurable liabilities under this clause, including but not limited to third party insurance and liabilities under the Motor Vehicles Act, 1988; Workmen's Compensation Act, 1923; Fatal Accidents Act, 1855; Personal Injuries (Compensation) Insurance Act, 1963, Emergency Risk Insurance Act, and/or other Industrial Legislation from time to time in force in India.
- h) Fabricator/Contractor is required to take the comprehensive insurance including the Chassis and Fabrication part of the pit flusher vehicle valid for minimum 1 year from the delivery at the DAFFPL, New Delhi location.**

24. INSPECTION:

- a) Material/construction/Fabrication shall be inspected by owner or its representative. Inspection is entirely vendor responsibility and in no way should affect the completion schedule.
- b) OWNER and fuel farm operator will, at its own travelling expense, witness any test or inspection. All other expenses other than travelling expenses such as lodging, boarding etc. shall be in contractor's scope.
- 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 non-performance of the Contract.
25. **TEST & PERFORMANCE CERTIFICATES:** Bidder shall furnish Material test and Performance Certificates for the materials along with the challans and invoice.
26. The term "FORCE MAJEURE" as employed in this contract shall mean wars (declared or undeclared) or revolutions, civil wars, tidal waves, fires, major floods, earthquakes, epidemics, quarantine restrictions and freight embargoes and transporter's strikes affecting the country as a whole.
27. Only in the event of causes of Force Majeure occurring within the contractual delivery/work completion period and if they impede the performance of contract, the delivery/work completion 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.
28. **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.
29. 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 & ensure compliance.
30. **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.
31. **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.

32. **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 s 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 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.
33. **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 conditions 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.
34. **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.

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

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

37. 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 owner's 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 requirements 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 non-delivery may cause loss of production and consequently loss of profit to 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 the price reduction clause mentioned aforesaid.

38. **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 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 anti-competitive agreements and abuse of the 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.
39. **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.
40. **GOVERNING LAW:** These General Purchase Conditions shall be governed by the Laws of India.
41. **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.
42. The following expressions used in these terms and conditions and in the purchase/work order shall have the meaning indicated against each of these:
- a) **OWNER,** Client, Purchaser, buyer means DAFFPL
 - b) **ENGINEER-IN-CHARGE,** Either Representative of owner/DAFFPL or PMC appointed by DAFFPL
 - c) **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.
 - d) **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.
 - e) **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.

- f) **SITE/LOCATION:** means any Site where DAFFPL desires to receive materials anywhere in India as mentioned in tender.
- g) **CONTRACT**, Order or Purchase Order/CALL-OFF means the agreement for supply of goods/ materials for required quantity between Owner and Vendor, for a fixed time on mutually agreed terms and conditions.
- h) 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.
- i) For the purpose of the contract, the trade terms FOB, CFR and CIF, DAP shall have the meanings as assigned to them by INCOTERMS 2010 published by ICC, Paris.

43. REFERENCE FOR DOCUMENTATION:

After finalization of Contract/Work/Purchase Order: The number and date of Contract/Work/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.

44. ARBITRATION

- a) **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.
- b) 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 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 the 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.

- c) The arbitrator shall have the 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.
- d) 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.
- e) 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.
- f) The arbitrator shall have the 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.
- g) The arbitrator shall be entitled to direct any one of parties to pay the costs to the other party in such a manner and to such an 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 arbitrator's expenses whenever called upon to do so.
- h) 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



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

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.



FORMAT FOR TRIPARTIE AGREEMENT (FOR SUCESSFUL BIDDER)

AGREEMENT

This **AGREEMENT** is made on the ____ Day of ____ (Month) ____ (YYYY) ("**Agreement**")

Between

DELHI AVIATION FUEL FACILITY PVT LTD, a Company incorporated under the Companies Act 1956 and having its Registered Office at Aviation Fuelling Station, Shahbad Mohammad Pur, Near Dwarka Sector-8 Metro Station, IGI Airport, New Delhi – 110061 "(hereinafter referred to as "**DAFFPL**", which expression unless repugnant to the context or meaning thereof, be deemed to include its nominees, successors, wholly owned subsidiaries and the permitted assigns)

AND

M/s INDIANOIL SKYTANKING LIMITED PVT LIMITED having its registered office at Fuel farm Facility, Devanahalli, Bangalore-560300, Karnataka on the other part (herein after referred as '**IOSL**');

AND

M/s _____, a private entity having its registered/head office at: _____ (hereinafter referred to as "_____" (*Contractor/Vendor) which expression shall unless it be repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns) of the Third Party.

DAFFPL, IOSL and ____* shall collectively be referred to as the "**Parties**" and individually as the "**Party**".

WHEREAS

- A. The Parties are entering into this Agreement to record the commercial terms and conditions including Billing/invoicing/payment etc. on which the Parties shall cooperate with each other in the performance of the Contract (Tender Name:_____, Tender No.:_____) on the broad terms and conditions contained herein. All other terms and conditions shall be governed by the Tender terms and conditions issued by DAFFPL.

NOW THIS AGREEMENT WITNESSETH as follows: -

1. The Parties agree to co-operate with each other in the performance of the Contract on the broad terms set out in this Agreement.



- 1.1 The purpose of this Agreement is to establish the principles governing the relationships of the Parties with each other, in relation to the Project.
- 1.2 Nothing contained herein is intended to create a partnership, agency, representative relationship or any other separate legal or corporate entity. No Party has the right to represent the other Party or to enter into any commitment on behalf of the other Party without the prior written consent of that Party and each Party assures and declares that it will not hold itself as having such authority.
2. The scope of work of the Parties shall be as follows:
- 2.1 IOSL shall oversee and ensure the works and the execution as per terms and conditions of the tender/contract and compliance of law of land.
- 2.2 _____* shall execute the works timely and within the contract/tender value. All works concerning the works shall be certified by IOSL.
- 2.3 _____* shall raise invoice/bill on DAFFPL for the work and enable DAFFPL to take tax benefit, if any. Partial/Running/Full Bill may be raised as per Tender/contract terms and conditions.
- 2.4 DAFFPL shall release the payments to _____* as per terms and conditions of contract/Tender
- 2.5 IOSL shall not be involved in the transaction of payments between DAFFPL and _____*. IOSL shall also abstain itself from any disputes thereof between DAFFPL and _____*.
- 2.6 This Agreement shall become effective from the date of signing hereof and be terminated / modified on the occurrence of any of the following events whichever occurs first: -
- i) if the Tender/Contract is cancelled, unless extended by unanimous written agreement between the Parties.
 - ii) if the Parties agree to terminate the Agreement on mutual consent.
 - iii) To enable the Owner the benefit of GST, if required the agreement shall be modified.
- 3 In the event of termination of the Agreement for any of the reasons stated in clause 2 above, except for the rights and obligations accrued to the Parties



prior to such termination, no Party shall have any claim against the other Party.

- 4 Throughout the term of this Agreement and for a period of two (2) years after its termination or expiry, the Parties shall maintain strict confidentiality of the information/data of either Party that is disclosed to the other Party in writing and shall not disclose such confidential information/ data to any third party without the prior written consent of the other Party. Each Party may however disclose the confidential information to its employees, directors, officers, subcontractors, financiers, consultants, advisors and those of its subsidiaries and affiliates who have a need to know such information in connection with the execution of the Agreement and/or the Projects. The obligations undertaken hereto shall not apply to any information obtained, which is or becomes published or is otherwise generally available to the public other than in consequence of any act or omission of either of the Parties hereto, or which is required to be disclosed pursuant to an order of a court, statutory authority, governmental agencies as per the applicable law.
- 5 This Agreement shall be governed by laws of Union of India. and the courts at Delhi shall have exclusive jurisdiction in relation to the interim reliefs as provided under the Arbitration and Conciliation Act, 1996.
- 6 Any dispute, controversies and differences which may arise between the Parties in relation to or in connection with this Agreement or any breach thereof shall be settled amicably by the Parties, within a period of thirty (30) days from the date of receipt of a written notice of such dispute by a Party from the other Party, failing which the dispute shall be referred and settled through arbitration proceedings under the Arbitration and Conciliation Act, 1996 by an arbitral tribunal consisting of a sole arbitrator. The arbitration proceedings shall be conducted in English, the venue for the arbitration proceedings will be Mumbai and the award given by the tribunal shall be final and binding. The costs, charges, fees and expenses of the Arbitrator shall be borne equally by the Parties. The Parties shall bear its own legal and other costs pertaining to the arbitration proceedings.
- 7 Should one or more of the terms and conditions contained in this Agreement are proved to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining terms and conditions thereof shall not in any way be affected or impaired thereby.



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

- 8 The language of the Agreement and the Contract and of any correspondence between the Parties shall be English.
- 9 No modification or amendment to the Agreement shall be valid unless agreed in writing by all Parties.
- 10 Any notice, communication, statement, request or correspondence required under the terms of this Agreement shall be in writing, in the English language and shall be delivered personally, or by courier or by registered mail to the address of the Parties mentioned hereinabove, or such other address as may be notified by the concerned Party to the other Party.
- 11 Any provision of this Agreement, which is prohibited or, unenforceable, shall be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof, and any such prohibition or unenforceability shall not invalidate or render unenforceable of the other provisions.
- 12 **IN WITNESS WHEREOF** the Parties have hereunto set their hands the day and Year First above written.

**For and on behalf of
DELHI AVIATION
FUEL FACILITY PVT
LTD**

Name:

Designation:

Company Stamp

Witnessed by:

Signature:

Name:

Address:

**For and on behalf of
INDIANOIL
SKYTANKING PVT LTD**

Name:

Designation:

Company Stamp

Witnessed by:

Signature:

Name:

Address:

**For and on behalf of
CONTRACTOR/VEND
OR**

Name:

Designation:

Company Stamp

Witnessed by:

Signature:

Name:

Address:



FORMAT FOR CONTRACT AGREEMENT (FOR SUCCESSFUL BIDDER)

THIS CONTRACT made at Delhi this ____ day of ____ (Month) ____ (YYYY) BETWEEN **Delhi Aviation Fuel Facility Private Limited**, registered in India under the Companies Act 1956, having its registered office at **Aviation Fueling Station, Shahbad Mohammad Pur, IGI Airport, New Delhi – 110061** (hereinafter referred to as the "OWNER" which expression shall include its successors and assigns) of the One Part; AND) ____ (*Contractor/Vendor), a Company registered in India under the Companies Act, 1956 having its registered office at ____ (hereinafter referred to/ as collectively referred to as the "Contractor" which expression shall include his/ their/ its executors, administrators, representatives and permitted assigns/ successors and permitted assign) of the other part:

WHEREAS

The OWNER desires to have executed the work of “_____” more specifically mentioned and described in the contract documents (hereinafter called the 'work' which expression shall include all amendments therein and/ or modifications thereof) and has accepted the tender of the CONTRACTOR for the said work.

NOW, THEREFORE THIS CONTRACT WITNESSETH as follows:

ARTICLE – 1

Contract Documents

The following documents shall constitute the Contract documents, namely

- a) This contract.
- b) NIT and other documents related to DAFFPL Tender: (_____) as defined in the tender document.
- c) Additional Document(s) (if any) including final BOQ Document, Corrigendum/Addendum (if any), Prebid Queries and their responses along with Minutes of meetings (if any) submitted in relation to the above-mentioned tender.
- d) Order/s (including LOI, if any) related to DAFFPL Tender: (_____) and acceptance document of same.

A copy of each of the Tender Documents (including additional documents) is annexed hereto and the said copies have been collectively marked Annexure 'A', while a copy of order/s (including LOI, if any) related to DAFFPL Tender: (_____) and acceptance of same along with annexures are annexed hereto and said copies have been collectively marked as Annexure 'B'.

ARTICLE – 2:

Work to Be Performed

The CONTRACTOR shall perform the work upon the terms and conditions and within the item



specified in the Contract documents.

ARTICLE – 3:

Compensation

Subject to and upon the terms and conditions contained in the Contract documents, the OWNER shall pay CONTRACTOR compensation as specified in the Contract documents upon the satisfactory completion of the work and/ or otherwise as may be specified in the Contract documents.

ARTICLE – 4:

Jurisdiction

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

ARTICLE – 5:

Entire Contract

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

ARTICLE – 6:

Notices

Subject to any provisions in the Contract documents to the contrary, any notice, order or communication sought to be served by the CONTRACTOR on the OWNER with reference to the Contract shall be deemed to have been sufficiently served upon the OWNER (notwithstanding any enabling provisions under any law to the contrary) only if delivered by hand or by Registered Acknowledgment Due Post to the Engineer in- Charge as defined in the General Conditions of Contract.

Without prejudice to any other mode of service provided for in the Contract Documents or otherwise available to the OWNER, any notice, order or other communication sought to be served by the OWNER on the CONTRACTOR with reference to the Contract, shall be deemed



to have been sufficiently served if delivered by hand or through Registered Post Acknowledgement Due to the principal office of the CONTRACTOR at Delhi or to the CONTRACTOR's representatives as referred to in the General Conditions of Contract forming part of the Contract Documents.

ARTICLE-7:

Waiver

No failure or delay by the OWNER in enforcing any right or remedy of the OWNER in terms of the Contract or any obligation or liability of the CONTRACTOR in terms thereof shall be deemed to be a waiver of such right, remedy, obligation or liability, as the case may be, by the OWNER and notwithstanding such failure or delay, the OWNER shall be entitled at any time to enforce such right, remedy, obligation or liability, as the case may be.

ARTICLE-8:

Non-Assignability

The Contract and benefits and obligations thereof shall be strictly personal to the CONTRACTOR and shall not on any account be assignable or transferable by the CONTRACTOR.

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

For Delhi Aviation Fuel Facility Private Limited

Chief Executive Officer

Chief Financial Officer

In the presence of

1.

2.



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

For _____ (Contractor/Vendor).

Authorized Signatory

In the presence of

1.

2.



ANNEXURE A

SPECIFICATIONS FOR FLUSHING TRUCK – 20 KL Capacity

1.0 INTRODUCTION:

1.1 The flushing truck is intended for following applications:

- 1.1.1** Flushing/ Draining of Airport Fuel Hydrant Line Low points into the Flushing Truck.
- 1.1.2** Venting of High Point in Fuel Hydrant Line into the Flushing Truck.
- 1.1.3** Flushing of Fuel Hydrant Pit Valves into the Flushing Truck.
- 1.1.4** Emptying of isolated parts of the hydrant piping network by sucking to Flushing Truck.

1.2 Procurement of chassis of Indian make shall be in the scope of the fabricator. The Chassis should be with factory built-in-cabin meeting BS-VI certification.

1.3 It should be from a reputed manufacturer like ASHOK LEYLAND /EICHER /TATA. The model shall be suitable for 20KL capacity pit flusher. However, the fabricator has to intimate to DAFFPL for selected make & model of chassis before procuring the Chassis. The manufacturing date of chassis should preferably of the month in which LOI is issued. However, it shall not be older than three (03) months from date of issue of LOI/PO.

1.4 The fabricator will arrange all the material required for completion of the flushing truck in accordance with these specifications. Refer Appendix-3 for Chassis Specification.

1.5 The specification also complies with the requirements of following Standards applicable:

- 1.5.1** Indian Standard IS 9290
- 1.5.2** Petroleum rules 2002 of the Petroleum Act, 1934 (Part IV: Transport on land by vehicles & Third schedule: Design and construction of Tank Vehicles for transporting Petroleum in Bulk)
- 1.5.3** IATA – JIG guidelines (latest edition)

1.5.4 Central Motor Vehicles Rules 1989 for trailer dimensions / axle loads. This forms the basis for construction of the complete vehicle and the fabricator should advise of any areas of conflict for resolution by the Purchaser. This specification is to be read in conjunction with the requirements given in above Standards.



2.0 NOTICE TO TENDERERS

- 2.1 The fabricator's scope of work **includes design, fabrication, testing & commissioning of the complete pit flusher truck/vehicle/equipment in line with the specifications.** It also includes all operational testing, calibration & demo at site and any other required testing at site.
- 2.2 Any item, which is not specified in the specifications but required for completing the fabrication meeting the desired performance in all respects, shall be deemed to be in the scope of fabricator without any additional financial implication to DAFFPL.
- 2.3 The fabricator is required to submit to a General Arrangement Drawing of the vehicle indicating the location of major components, estimated axle loadings and the flow circuit diagram indicating the location of all of the nominated control functions including those listed in this specification with their make & model along with technical bid of the tender.
- 2.4 The Purchaser's approval of this drawing does not signify approval of constructional details unless they are specifically identified on the drawing prior to the commencement of construction. Any variation with this specification without approval, compliance with which remains the fabricators responsibility.
- 2.5 In general, other components which meet the requirement of this specification may be selected by the fabricator. However, the selection of certain other components will be influenced by factors such as compatibility with the existing fleet, local spares and service availability etc., and these points should be fully resolved between the Purchaser and the fabricator at the Purchase contract approval stage before the start of manufacture.
- 2.6 The final drawing shall be duly reviewed and approved by DAFFPL prior to commencement of fabrication, installation, or execution of the work.
- 2.7 Where alternatives for specific components can be used, these are specified by the Purchaser in Appendix 2.
- 2.8 **If make of any item is not mentioned in tender documents, then a separate list of reputed makes for such items to be submitted to DAFFPL for their approval/consent.**
- 2.9 It may be necessary to visit fabricator's personnels multiple times at DAFFPL site to carry out the activities including attending & closing all snag points (if any) for making the pit flusher ready and complete in all respect for handing over to user team.
- 2.10 The fabricator's personnels visiting the fuel farm have to follow fuel farm's timings and all safety rules & wear applicable PPE. The period (time/hours/days) which is asked/allotted/confirmed to carry out the activities for pit flusher by fabricator's personnels at fuel farm



may vary/affected due to any audits/operational constrains/availability of concerned person/any other reason. Any claim by fabricator on this behalf shall not be accepted by DAFFPL.

2.11 Approvals to be obtained by the fabricator from Indian Authorities:

2.11.1 Type approval shall be obtained in writing from the Chief Controller of Explosives, Govt. of India, a statutory body, to build the equipment in accordance with the requirements laid down in the Third Schedule of The Petroleum Rules 2002.

2.11.2 Any compliance to Motor Vehicle rules for the dimensions of the finished vehicle will be in the scope of fabricator.

3.0 GENERAL REQUIREMENTS:

3.1 Working Conditions:

3.1.1 The working temperature range shall be -15 Deg.C to +50 Deg.C.

3.2 Dimensions:

3.2.1 The overall dimension of the vehicle is to be kept to a minimum consistent with capacity and equipment layout but in any case, must not exceed the following dimensions without the prior agreement of the purchaser.

3.2.2 The overall width of a motor vehicle, measured at right angles to the axis of the motor vehicle between perpendicular planes enclosing the extreme points, shall not exceed 2.6 meters.

3.2.3 Any special approval required for increasing the width beyond 2600 mm, for use of vehicle at the airport will have to be obtained by the fabricator.

3.2.4 Maximum height from ground level should be 3000 mm (empty condition).

3.2.5 The overall dimensions of the vehicle are to be kept to a minimum, consistent with capacity and equipment layout but



in any case, must not exceed the dimensions referred above or as specified in Appendix 1

3.2.6 without the prior agreement of the purchaser.

3.2.7 All projections from the sides of the vehicle must lie within the general silhouette of the vehicle.

3.2.8 Road clearance - The minimum ground clearance in the laden condition should be 260 mm.

3.3 Stability

3.3.1 For the Pit flushing truck the height of Centre of Gravity in laden condition shall not be greater than 95% of wheel track of the vehicle. The stability calculation shall be shown in the General Arrangement drawing of the Pit Flushing Truck

3.4 Chassis Details:

3.4.1 The Chassis Specification shall be as mentioned in Appendix 3 of this document.

4.0 Flowrates:

4.1 The Pit flusher should be designed to operate at the following flowrates.

4.1.1 Draining of the low points of the hydrant-piping network: 900 l/min +/-10%

4.1.2 Venting of the high points of the hydrant piping network: 900 l/min +/-10%

4.1.3 Flushing and checking of the hydrant pit valves: min 3200 l/min

4.1.4 Emptying of isolated parts of the hydrant piping network: 200 l/min +/-10%

4.1.5 Unloading of Jet A1 at Fuel Farm: min 120 m³/h



5.0 Product tank and piping system

5.1 Product Tank and fittings

- 5.1.1** The tank shall be designed for net/usable carrying capacity (20 KL) plus 3 % ullage for vapour space, of its net carrying capacity.
- 5.1.2** The tank shall be constructed with single compartment having baffles. Suitable baffles will be provided in the tank so that capacity of each compartment shall not exceed 5000 liters. The baffle plates will be dished by giving suitable curvature. Baffle plates to be affixed to the tank shell by welding two strips. This is to avoid any areas becoming un-approachable for sandblasting/ epoxy coating wherever applicable.
- 5.1.3** A hole with approximate dimension of 500 mm shall be placed midway of each baffle and off-center of the center line of tank to allow access to every section of tank. The access holes are to be staggered so that no two holes are in line. Access holes to be provided with ring. Access holes (semicircular cut) also to be provided at the top & bottom of each baffle for free movement of air and product. The baffles are welded in such a way that no water can be collected between the tank and the baffle in order to allow water to flow to a centre sump channel.
- 5.1.4** The tank is to be constructed from mild steel material and interior surface of tank and any other mild steel components coming in contact with fuel shall be epicoated with white color epoxy paint after sand blasting and applying the proper epoxy primer. Tank will be fabricated from MS sheet conforming to specifications IS 5986, Grade Fe 410 or equivalent. Thickness of the tank to be fabricated shall be in line with CCOE rules.
- 5.1.5** Stiffening of tank will be done externally. No tack welding will be done anywhere inside the tank. No gaps should be left blank which cannot be approached for sandblasting/ epoxy coating wherever applicable. All welding on outer surface of tank will also be ground to give a smooth finish for painting.



- 5.1.6** Where possible un-drainable voids could be formed, for example, between baffles and tank wall fillet welds, such spaces are to be fitted with removable plugs at top and bottom to allow purging. Plugs raised above the tank shell top must not present a trip hazard.
- 5.1.7** The floor of the tank to be free from depressions due to fabrication distortion in which free water could lie, and it is essential to ensure that no pockets of liquid can remain in the tank after draining. Internal bottom welds are to be ground flush. The tank floor is to slope longitudinally with a minimum slope of 1 in 20, with slope commencing from front end towards the rear end of tank, leading to a draw-off sump (bottom most portion of the tank). A minimum transverse tank wall slope of 3° is to be maintained to the troughs.
- 5.1.8** The base of the draw-off sump is to be steeply sloped to facilitate the removal of accumulation of contamination. The sump must be at least 250 mm dia.
- 5.1.9** The sump shall be fitted with a 25 mm shear off sump drain valve, 25 mm stainless steel tubing and spring return deadman ball valve.
- 5.1.10** Pressure Reducing valve shall be required to install in product tank and anywhere required in vehicle.
- 5.1.11 Manholes** shall be positioned such that they provide a line of sight to the low point sump wherever applicable. The manholes will be covered by means of Dome type hinged covers made from 10-gauge Aluminum sheet of suitable design with proper reinforcement at hinges and locking arrangements
- 5.1.12** One of the compartments of tank will be provided with 18" dia **fixed manhole** with relevant fittings like Pressure Vacuum Relief operated vent, emergency vent, perforated fill pipe of Aluminum & dip pipe & dipstick assembly. All other compartments to have **EMCO design manholes**, which can be opened and closed very easily. The design of the manhole covers shall be in line with CCOE rules.



5.1.13 The tank shall be fitted with contents Gauge of approved make.

5.2 Tank Venting

5.2.1 The vents to be designed and located to prevent any spillage of product when the fully loaded vehicle stands on an incline of 1 in 15, nose up or nose down.

5.3 Internal Venting

5.3.1 Every compartment of tank shall be fitted with an independent vacuum and pressure operated vent with a minimum effective opening of 3 square centimeters; the opening to be covered with two layers of non-corroding metal wire gauge having not less than 11 meshes per centimeter.

5.3.2 The vent shall be so arranged as to limit the pressure within the compartment to 0.21 Kg/cm² and the vacuum to 5 centimeters water gauge.

5.4 Emergency venting for fire exposure.

5.4.1 In addition to normal venting required, every compartment of a tank shall be fitted with an emergency venting facility which shall be of the fusible type so as to provide a minimum fire venting opening having a net area in square centimeters equal to 8 plus 4.3 times the gross capacity of the compartment in Kiloliters.

5.4.2 The emergency vent shall be designed as to prevent loss of liquid through the vent in the case of vehicle upset except in the case of pressure rise when in the upset position.

5.4.3 Fusible vents shall be activated by elements, which will melt (operate) at a temperature of 93 °C.



5.4.4 There must be no possibility of ingress of dirt or water into the tank through vents, pressure/vacuum valves, manhole cover joints etc. The bottom level of all joints, gaskets and vent openings must be a minimum of 25 mm above the tank skin and 15 mm above the surface of any mounting plate. Tank walkways and fittings must not allow the accumulation of water or promote corrosion on the tank top under any weather conditions.

5.4.5 Vents should be as per the make and design approved by Chief Controller of Explosive (CCOE), Govt. of India or by any other statutory body acceptable to CCOE.

5.5 Cargo Tank Overturn Protection

5.5.1 Tank Overturn protection shall be provided. Strengthening of the tank will be done wherever openings and fittings are provided to the tank shell by reinforcement.

5.6 Cargo tank dipping

5.6.1 One dipstick assembly consisting of an extruded aluminum dip tube/guide to be fitted to the dip connection. The tube is to be carried down into the tank and the bottom end to be restrained from vibration by a suitable locating point welded to the tank bottom.

5.6.2 The dip rod shall be installed in such a manner that it remains completely enclosed/ protected, while ensuring that its removal and insertion can be carried out easily without any obstruction. The dip rod enclosure shall be provided with a suitable lock-and-key arrangement to prevent unauthorized access and ensure safe custody.

5.6.3 A black anodized aluminum dip rod is to be housed in the dip tube and should be of anti-rattle design. Dip pipe shall be fitted with Oil tight locker cap.



5.6.4 The cargo tank to be calibrated from dead stock level. **Calibration charts to be supplied with the vehicle.** Maximum Safe Fill and Minimum fill levels are also to be marked.

5.6.5 The dip point shall be located in the longitudinal center of the tank in the compartment having fixed manhole.

5.7 Additional tank fittings

5.7.1 **A Tank Contents Gauge**, of make **Bayham, UK** make, to be fitted to the tank wall clearly visible from the fuelling control panel. The gauge to be calibrated in increments of max 250-500 liters. **(Fabricator to select tank contents gauge model of biggest available and feasible size/dia for the tank having minimum least count/least increment.)** The calibration & marking (with least increment in liters) of tank contents gauge with ATF is complete responsibility of fabricator.

5.7.2 A magnetic level gauge with float arrangement shall be incorporated in the Pit Flusher tank for reliable and continuous visual indication of the fuel level. The gauge shall be suitable for Jet A-1/aviation fuel service, compatible with the tank material and operating conditions, and shall be designed for the applicable hazardous-area requirements. The magnetic level gauge shall be provided with suitable float, magnetic indicator, scale and isolation arrangement, with adequate visibility to the operator. The range and calibration shall be suitable for the respective tank capacity with calibration certificate as per requirement and shall be clearly marked. The proposed make, model, datasheet, material of construction and installation arrangement shall be submitted to Purchaser for review and approval prior to supply/installation.

5.7.3 **An anti-slip chequered walkway** to be fitted, as wide as possible, and extending along the tank to give access to the forward opening manhole lid. Walkway shall be kept clear of all projections and tripping hazards.

5.7.4 Access to the tank top walk platform is to be afforded by a **sloping ladder** fitted to tank with "over the top" handrails. Handrails to be 400 mm apart and rungs to have non-skid



surface. The top rung to consist of a flat plate with an anti-slip surface. Position of the ladder to be agreed with the purchaser.

5.7.5 Certification plate to be neatly secured on tank and must bear all design and testing information.

5.7.6 Tank top drainage shall be via a minimum of 2 x 25 mm tubing connected into the rear side of tank if the tank slope is towards rear side and at both ends if the tank is installed with horizontal configuration with a draw off sump slope at the center.

5.7.7 Tank top shall be provided with collapsible handrail for fall protection while dipping. This mechanism should be interlocked with brakes to prevent movement when the handrail is not in the fully collapsed condition.

5.7.8 Tank will be mounted firmly on the chassis. Suitable rubber packing of one inch thickness of good quality will be provided between the chassis and tank support wherever applicable. Metal block preferably of aluminum will be provided in the channel of chassis frame wherever double "U" bolts are to use for mounting of tank / any equipment on chassis frame.

5.8 Testing

5.8.1 The tank shall be tested by hydro static pressure of not less than 0.316 Kg/cm². The pressure shall be maintained for a period of not less than 1 hour and shall be gauged at the top of the tank. The remaining tanks shall be fabricated similar to that of first approved after inspection/testing.

5.8.2 Radiographic Testing (RT) shall be carried out for all weld joints of tank, and radiographic films shall be provided at the time of delivery. The RT shall be performed in accordance with the applicable codes/standards and statutory requirements and same to be endorsed by approved TPI.

5.8.3 Ultrasonic Testing (UT) testing shall be carried out by



fabricator/contractor for thickness of all MS plates and for pipeline on random basis. Testing shall be endorsed by approved TPI and reports shall be submitted to owner/purchaser.

5.9 Bottom loading

- 5.9.1 The vehicle is to be bottom loaded using Jet Automatic Bottom Loading equipment of make, Avery Hardoll, Carter or Meggitt using.
- 5.9.2 High-level adjusters or flow shut-off sensors to be accessible without the need to enter the product tank.
- 5.9.3 Any automatic high level sensing equipment which discharges fuel at high level must be provided with a drain extension pipe carried to the bottom of the tank to prevent free fall of product within the tank.
- 5.9.4 The bottom loading foot valve operating control is to be installed. This is to be located adjacent to the bottom loading connections on the operating side of the vehicle.
- 5.9.5 A pre-check test facility shall be provided on the same circuit as the overfill system to provide functional check of foot valve from outside the tank.
- 5.9.6 Deflector plate to be fitted around valves to prevent buildup of static charges at high input flow rates.
- 5.9.7 Tank bottom load pipe work should be designed to eliminate flexible connections.
- 5.9.8 Self-loading point and arrangement for loading the Fit flusher from external tank shall be provided. The end of this arrangement shall be provided with a dummy flange and isolation ball valve.



5.10 Tank discharge

5.10.1 The tank outlet foot valve is to be capable of Fail Safe closing.

5.10.2 A 400 mm diameter deflector plate to be fitted around foot valve to prevent any water droplets present on the tank floor from being drawn into the suction line.

5.10.3 The operating lever for valve should incorporate shear off mechanism, which will close the valve automatically in case of fire at a temperature of 93°C.

5.11 Piping Details

5.11.1 All fuel piping's shall be in Stainless Steel, SS 304

5.11.2 The piping system is designed for working pressure of 200 psi (13 bar) and hydrostatically tested at a pressure of 300 psi (20 bar) at 30 minutes in assembled condition. Pipe work & components downstream of the meter to be designed to accept a hydrostatic test of 300 psi (20 bar).

5.11.3 Pipe work downstream of each meter valve to incorporate threaded test connections and plugs.

5.11.4 Control and sensing lines shall be minimum 25 mm dia and are also to be made out of Stainless Steel.

5.11.5 Bends shall be of large, smooth radius, minimum $r = 2D$, preformed type

5.11.6 The flow rate in the piping shall not exceed **7m/sec**.

5.11.7 At all pipework low points, a 1" plug with ball valve is installed



to allow for a complete draining of the system.

5.11.8 The vehicle is to be protected by a thermal pressure relief system. This is to limit pressure to 20 psi (1.2 bar) in the pipe work when the vehicle is not in use by linking to the interlock system such that the valve opens automatically when all the equipment is stowed correctly. It will return depressurized fuel to the product recovery tank through a 20 psi (1.2 bar) check valve and isolating valve.

5.12 Depressurization lines to be fitted around each meter valve and isolating valve where excess pressures can be locked in. These lines are to be fitted with check valves and isolating ball valves.

5.13 All seals and gaskets shall be, Viton A or Buna N appropriate for a prolonged service in contact with jet fuel.

5.14 All fittings, equipment and piping in contact with jet fuel are free of zinc, copper, copper alloys and cadmium.

6.0 Product Pump

6.1 The pump is to be a self-centrifugal type suitable for power take off drive and meeting the flow performance as specified in Appendix 2. The product pump is to be driven mechanically via a drive shaft off the PTO. Pump of DAFFPL approved make shall be provided as specified in Appendix 2.

6.2 A flexible connection (vibration absorber) shall be installed in the pump suction line to prevent strains or vibrations being transmitted between the pump and the tank. A remote engine speed control (throttle control)

7.0 Power Take Off Unit

7.1 Suitable power take off unit shall be provided by the fabricator.



- 7.2** Propeller shaft connecting the PTO to Product pump to be provided and installed by the fabricator. This shaft will have universal joints at both the ends and spline joints in the middle to take care of any increase/decrease in length. The propeller shaft should be dynamically balanced. Test certificate for the same should be obtained and submitted to DAFFPL at the time of performance test.
- 7.3** Suitable lever will be provided for PTO unit inside the driver cabin. The operation of this lever will be pneumatic. Arrangement should also be made to lock the lever with PTO in engaged position as well as in disengaged position. When the PTO is in engaged position, an amber light should be activated in the driver cabin as warning not to drive and also brake interlock should be activated.

8.0 Product Sucking/Removal System (3 way Selection valve)

- 8.1** Pit Flusher pump shall be capable of sucking/removing product from isolated segment having zero pressure into the Pit Flushing truck tank. A method of achieving this is to use a 3-way selection valve in line with the suitable size Aviation hose having low point adapter. The Arrangements shall be such that:
- 8.1.1** During flushing of Low Point / High Point under pressure using 2-inch, 1.5 inch & 1 inch Aviation hoses, the fuel will be taken directly into the Pit Flushing Truck tank.
- 8.1.2** During Flushing of Hydrant Pits using 4-inch intake hose connected with 4-inch intake coupler, the fuel will be taken directly into the Pit Flushing Truck tank.
- 8.1.3 Hydrant pit intake coupler (Eaton/Carter make, Model 64900)** with PCV, complete with suitable wheels/carriage assembly for easy movement, handling and convenient stowage during operation and maintenance. The coupler shall be provided with a pneumatic sensing line and pneumatic actuation arrangement, with air supply controlled through a solenoid valve arrangement operated by a dead-man control. The system shall be designed such that pneumatic air supply/actuation is available only when the dead-man control is actuated, ensuring safe operation and fail-safe shutdown upon release of the dead-man control. The complete arrangement, including coupler, pneumatic sensing line, solenoid valve, dead-man control, air tubing/fittings,



wheels/carriage and stowage arrangement, shall be suitable for airport hydrant fuelling operations and compatible with the existing hydrant pit valve arrangement. Detailed design/drawing of the complete assembly, including pneumatic circuit, dead-man and solenoid valve arrangement, wheel/carriage and stowage arrangement, shall be submitted for review and approval by DAFFPL prior to fabrication/supply.

8.1.4 The 4" intake coupler shall be provided for connecting the sensing line through Parker hydraulic hose of suitable and required length, along with the required air connection and quick-release (QRC) (male and female) Make parker) coupling arrangement. The hydraulic hose double wired make parker shall be provided as a continuous, single-piece hose without any intermediate joints.

8.1.5 The final design, arrangement, make and configuration of the intake coupler and associated hose assembly shall be subject to review and approval by DAFPL prior to fabrication and installation.

8.1.6 During sucking/removing of fuel from any isolated segment or cut barrel (not under pressure) fuel shall be sucked/removed using the product pump of the Pit Flusher by a suitable 3-way valve arrangement and taken into the pit flusher tank.

8.2 Sucking/Removing/De-fuelling performance in service will depend on the resistance to flattening under suction conditions of the hoses employed on the Pit Flushing Truck. Sucking/removing of product to be established at a suction condition (pump vacuum) of 175 mm (7 inches) of Mercury measured at the reel end of the hoses.

9.0 Product Hoses and Hose Reel

9.1 Product Hoses

9.1.1 Product hoses to be of approved aviation type (API 1529, Grade 2, Type C). Hoses to be connected using approved couplings. Hose's Size and length (Make: Hewitt/ Parker/Trelleborg) are mentioned below:

Hose-1: 4" Dia of Length 07 Meters. (Hydrant pit flushing)



Hose-2: 2" Dia with length 12.5 Meters. (Dead End Flushing)

Hose-3: 1.5" Dia with length 12.5 Meters. (Low point/High point flushing)

Hose-4: 1" Dia with length 12.5 Meters. (Low point flushing)

Hose-5: 1" Dia with length 12.5 Meters for suction of ATF from cut barrel to the pit flusher tank.

9.1.2 Suitable Hose reel beads shall be provided on the Product Hoses.

9.1.3 **2" Aircraft underwing nozzle of make Eaton's Carter/ Meggitt/ Manntek without HEPCV with dust cap, bonding wire/clip is to be provided with 2" reel hose.**

9.1.4 Suitable pump & SS trigger nozzle arrangement (with thread arrangement for extension of trigger nozzle) is also required for 1" reel hose (Hose-5).

9.1.5 1.5" Nozzle of Eaton's Carter/Manntek/Meggitt with dust cap is required.

9.1.6 1" Trigger nozzle of material SS is required

9.2 Hose reels

9.2.1 Hose reels to be of Catherine wheel type made of lightweight robust construction. Hose reels to be mounted at right angles to the vehicle center line with the couplings stowed on the operating side.

9.2.2 The hose reel of the single volute type to carry the required length of hose and be arranged on the vehicle with the hose winding over the top with the coupling stowed vertically downward. Hose reel spokes to be provided with packers as required to prevent 'bunching' of the hose. Side sheeting shall be provided where hose beads are used.

9.2.3 The hose reel must incorporate ball or roller bearings and the



system is to be such that the reels unwind freely under all conditions. Special emphasis is to be given to freeness in operation when the system is operative. The hose reels must be provided with contoured guard plates underneath to prevent hoses from jamming during unreeling.

- 9.2.4** The hose reel to be provided with a system of vertical and horizontal rollers that will permit the hose to be withdrawn and rewound from any position around the vehicle without difficulty. These rollers are to be carried on nylon or sealed ball bearings, free to rotate and fitted with anti vibration rings if necessary. The hose reel rewind speed must be adjustable wherever applicable.
- 9.2.5** The hose reels are to be rewound by electric motors, via heavy duty roller chain drives or direct mounted motors. Provision to be made for adjustment of chain tension.
- 9.2.6** The electric motor and operating switch shall be flame proof and explosion proof. The explosion proof re-settable fuse shall be fitted in electric hose reel drive system.
- 9.2.7** Each hose reel is to be capable of reeling in the full length of hose, fully loaded with product and laid out in a straight line from the reel on dry, smooth concrete. The reel speed is to be designed to give 0.75 m/s at the end of the reeling operation.
- 9.2.8** In case of motor failure, a suitable manual override/hand-cranking arrangement shall be provided for manual rewinding of the hose. The arrangement shall be robust, safe, easily accessible, and capable of operating the hose reel under fully loaded hose conditions.
- 9.2.9** The hose ends shall be properly machine-crimped with suitable metallic collars/ ferrules to ensure secure connection and prevent any possibility of air leakage during operation.

9.3 Hose End Stowage Protection

- 9.3.1** Quick release hose end coupling stowages are required for all



hoses. These stowage points must protect the couplings from ingress of rain water.

9.3.2 Hose end coupling stowages to be designed to prevent the couplings from moving or operating the interlocks during normal driving of the vehicle, and to prevent damage to the couplings when they are stowed or unstowed.

9.3.3 1" SS QRC(Parker) male with female stowed in vehicle is required.

9.3.4 These devices must allow the use of both hands to remove a nozzle.

10.0 Deadman Control Assembly

10.1 The inline PCV is to be deadman operated. **The deadman must be both wireless type & wired type.** The configuration should include deadman timer system including hand switch, lamp and solenoid valve. A time device is to be included in the deadman system. This device shall include a green 'Go' light and be set to limit the pumping time to 90 secs after which the deadman is to automatically commence a closure cycle unless a re-operation signal is received.

10.2 The valve is to be controlled by a lightweight hand switch. A suitable weatherproof box shall be fabricated for stowing the wired deadman.

10.3 On release of the hand switch the deadman control system is to stop flow, as within 3 to 5 seconds. Re-operating the 'deadman' will be adjustable to return to full rate fuelling within 10 seconds, but not less than 5 seconds. The functional check of the deadman shall be done in the presence of the purchaser at the time of commissioning. Closure of the deadman is to be preceded by the light flashing for 20 secs and within this period pumping will continue or restart by releasing and reactivating the hand control.

10.4 A deadman override facility shall be provided. The button should be a momentary contact type and shall have provision for wire/lead



sealing.

11.0 Brake Interlock

- 11.1** Electro-Pneumatic type as specified in Appendix 1.
- 11.2** A brake-interlock system amber warning light, 50 mm dia. to be located in the cab in a prominent position on the dashboard visible also from outside of the vehicle. The light to flash to indicate that the system is active.
- 11.3** All interlock related equipment shall be mounted in suitable housing cabinets that are easily accessible at all times. It is preferred that such equipment is not mounted behind the vehicle dashboard.
- 11.4** All electrically operated systems are to be intrinsically safe and should incorporate sealed proximity switches with a wide adjustment for operating tolerance. The electric operating controls is to interface with a pneumatic circuit in the parking brake system.
- 11.5** A system panel to be provided to indicate the status of all interlocks and provide fault indication and mounted in the tractor cabin. Each circuit board and panel to be provided with a single quick connect plug to allow easy interchange. One complete set of spare boards to be provided.
- 11.6** An air operated, all pneumatic system, is to incorporate an auxiliary pneumatic system installed on the tractor which will obtain its supply of compressed air from the chassis brake system compressor. The air provided is to actuate the interlock and other safety systems described in this specification. The system to consist of a 10 liters air reservoir fitted with an automatic water drain valve, pressure protection valve and strainer/lubricator. Auxiliary air is received via the pressure protection valve which isolates the auxiliary system at main air pressures of less than 85 psi.
- 11.7** The system must be fail-safe, such that it is active when any air line is



broken.

- 11.8** All air-valve/operating-switches to be installed to allow the rollers to traverse over a sliding cam. This is to increase the operating tolerance of the switch. Direct butting contact is not acceptable.
- 11.9** All exhaust ports on pilot air valves to be fitted with mufflers to give weather protection to open orifices.
- 11.10** On removal of any coupling from its stowage, brake application must be designed to function progressively over a period of 10 seconds. This is to prevent a possible hazard during normal driving of the vehicle. Activation of the interlocks must also operate the vehicle stop lights when the vehicle is in motion. The stoplights are not to operate when the vehicle is fuelling (parking brake applied).
- 11.11** An interlock override switch shall be installed within easy reach of the driving position. The switch shall have provision for wire/lead sealing in the non-overridden position. Activating the override shall cause a large (50 mm dia.) red light on the dashboard (visible also from outside the cab) to flash.

12.0 Safety interlocks and safety features

- 12.1** The Pit Flusher shall be provided with all necessary safety interlocks and safety features in line with the applicable JIG and OISD guidelines/standards, including, but not limited to, the following:
 - A.** Brake interlocks for all nozzles/hoses to ensure that the vehicle braking system is applied before operation of the respective fuelling/flush-out equipment.
 - B.** PTO interlock to prevent unsafe operation of the PTO and associated equipment unless the required operating conditions are satisfied.
 - C.** Bonding/earthing wire interlock to ensure proper bonding of the Pit Flusher with the hydrant system/aircraft fuelling point before commencement of operation.
 - D.** Roof handrail/guardrail of adequate strength and suitable access arrangement shall be provided to ensure safe personnel movement and prevent falls while carrying out activities on the vehicle roof.



- E. Two double-pole cut-off switches shall be provided, with one switch installed inside the cabin and the other installed externally in an FLP enclosure, ensuring easy and unobstructed operation without any hindrance.
- F. **It is required to provide emergency fuel stop buttons on both sides of vehicle to stop the flushing immediately in case of any fuel emergency.**
- G. An interlocking arrangement along with an audible alarm shall be provided, which shall activate whenever any of cabin door is opened, in compliance with JIG requirements.
- H. An audio-visual alarm shall be provided to activate upon reaching the safe fill level, thereby alerting the operator and preventing overfilling. The audio alarm provided for reaching the safe fill level shall be distinct and different from the vehicle reverse alarm, to ensure clear identification of the safe-fill-level alarm by the operator.
- I. All interlocks shall be designed on a fail-safe principle and shall prevent or restrict operation in the event of an unsafe condition.
- J. The complete safety-interlock philosophy, logic diagram and arrangement shall be submitted to DAFFPL for review and approval prior to fabrication/supply.
- K. The Pit Flusher shall comply with the latest applicable JIG and OISD requirements, statutory requirements and approved DAFFPL safety standards. In case of any conflict, the more stringent safety requirement shall be followed, subject to DAFFPL approval.

12.2 Interlocking panel shall be placed in chassis cabin in such a manner and location shall be selected in such a way that it is not affected by vibrations of vehicle.

12.3 Lanyard

- 12.4** A Pit valve lanyard is to be provided at both sides of minimum 15 meters of FRLS, non-conducting mounted on hand rewind reel. Ensure that lanyard wire shall not connected with chassis or vehicle body. One hook (SS) is to be provided at other side to latch the wire with Hydrant pit valve and free from obstruction and capable to pull the lanyard assembly of pit valve from the vehicle panel side.

13.0 SAFETY



13.1 Fire extinguishers

13.1.1 Two open topped scabbards to house 9 kg dry powder fire extinguishers of approved IS specifications are to be installed, one on each side of the vehicle. They should be drainable chute type containers and fitted with internal rubbing strips to prevent chaffing. The scabbards should ergonomically located and at approximately 30° to the vertical to obviate the need for mechanical fastenings, and the top handles of the extinguishers should clearly protrude.

13.1.2 One no. ISI marked 2 Kg CO₂ extinguisher with mounting bracket is to be installed in the cab of the vehicle. The CO₂ fire extinguisher shall be suitably positioned on the stand at a location that is easily accessible and readily operable from Driver as well as co-driver side, ensuring that it can be quickly accessed and operated without any obstruction or hindrance during an emergency.

13.1.3 HPT test reports along with MTC shall be required for each Fire Extinguisher provided with vehicle. The serial number is to be engraved on each cylinder which and same recorded in all required test certificates.

13.2 Engine exhaust system

13.2.1 Exhaust pipe of engine to be routed so that it is on the passenger side of the vehicle. This is to be fitted with a perforated mesh shield. The Exhaust Systems shall be insulated with suitable protection for preventing any fuel leaks to fall on the vehicle exhaust.

13.2.2 Spark arrestor to be fitted. This should be of approved make by Chief Controller of Explosives. Govt. of India or of any other statutory body acceptable to PESO. The plate indicating PESO approval reference to be affixed to the arrestor. In BS VI Chassis where the PESO exemption has been granted from fixing of spark arrestor the same should be submitted to DAFFPL.



13.3 Fire screen

13.3.1 Fire Screen will be provided at the back side of the cabin. Fire screen will extend up to 12 inches from ground level. Fire screen will be made by sandwiching asbestos sheet between two steel sheets. Fire screens should be sturdy and should be fitted firmly.

13.4 Fuel Tank

13.4.1 Fuel tank to be relocated on passenger side of chassis. All flexible fuel lines in the engine fuel system must be armour braided externally.

13.5 Safety Cones

13.5.1 Four numbers of safety cones, made up of reflective material shall be provided along with the vehicle. Suitable arrangements for hanging of the safety cones after use shall be made on the vehicle.

13.6 Engine air induction system

13.6.1 The air induction system shall be relocated, if required, and/or protected so as to minimize the possibility of induction of fuel from any spillage of flammable liquid, from any release from a safety relief device or breather valve on the cargo tank, from any release of liquid from the aircraft being serviced (e.g. from wing tip vents or from refuel/defuel receptacles) or from ruptured hoses.

13.7 Vehicle electrical system

13.7.1 All electrical wiring to meet PESO regulations. The wiring should pass through metal conduits of aluminum after providing initial thick plastic sleeve.



13.8 Batteries

- 13.8.1** The battery isolation switch must be fitted. A battery boost socket to be fitted adjacent to the switch. A label to be fitted to the boost socket to identify the vehicle voltage.
- 13.8.2** The batteries must be easily accessible for maintenance. This must also be considered once the unit has been completed.
- 13.8.3** The battery box is to have a minimum insulation thickness of 4 mm.
- 13.8.4** The battery terminals of the Pit Flusher shall be provided with adequate protective covers/guards to prevent accidental short-circuiting, arcing, loose-contact hazards and inadvertent contact with metallic tools or other conductive parts. The protection shall be securely mounted, durable and suitable for the vehicle operating environment.
- 13.8.5** Earth leakage test continual display to be provided for systems of double pole wired.
- 13.8.6** All additional circuits added by the fabricator & controlled by switches are to be located in the cab & adequately protected by fuses, located in a fuse box & clearly identified.

13.9 Vehicle lights.

- 13.9.1** Pit Flusher operating lights, tail light circuit are to be connected into the vehicle side and are also to be provided with an adequately labelled isolation switch mounted in the cab.
- 13.9.2** Four red warning lights are to be installed at the highest points on the four corners of the tank. They shall be wired into the vehicle side/ tail light circuit.
- 13.9.3** A transistorized amber flashing light with an output of min 40 and max.400 Candelas and a flash rate between 60 and 90



flashes per minute is to be fitted centrally on the cab roof, to be visible through 360° in the horizontal plane. The light to be controlled by a switch in the cab. It is to be wired into the ignition circuit independent of the side/ tail lamp and its function is to be labelled. A warning light is to be provided adjacent to the switch, which operates with the amber light.

13.9.4 Two nos of Anti-collision light of LED type and four nos of navigation lights is to be mounted on vehicle.

13.9.5 All instruments, closed circuit sampler and controls are to be adequately illuminated so that the vehicle can be properly operated at night without external lighting. All vehicle/equipment lighting controls shall be provided inside the driver's cabin at a convenient and easily accessible location. Each light/control shall have a clear visual indication to confirm its ON/OFF status. A dedicated brake interlock status indication shall also be provided in the cabin to clearly indicate the status of the brake interlock system. The same brake interlock status indication shall be provided on the equipment/control panel side for easy monitoring during operation and maintenance. All indications shall be clearly labelled, permanently marked and easily visible to the operator. The complete control and indication arrangement, including wiring and interlock logic, shall be incorporated in the electrical drawings and shall be subject to review and approval by DAFFPL/Owner.

13.10 Devices for audible warning signals & Reverse Camera

13.10.1 Chassis should be provided with factory built reverse parking assist in case the same is not available then an audible device that is automatically initiated when reverse gear is selected shall be fitted. A reverse camera should be provided and the screen for the same shall be provided in the driver's cabin.

14.0 Operating Panel and controls.

14.1 The essential fuelling equipment controls to be grouped at one location on the driving side of the vehicle. The location to be agreed with the purchaser.

14.2 The following instruments and controls, where applicable, are to be grouped on the panel, arranged for easy operation and access for



maintenance.

- a. System Air Pressure Gauge
- b. PCV Reference Gauge
- c. Inlet Pressure Gauge
- d. Vacuum Pressure Gauge for Pump
- e. Tamper proof Air regulator
- f. Pump / Engine RPM
- g. Deadman Override button
- h. Brake Interlock individual lights /Dead Man operating Lights/
Brake Interlock active and override lights
- i. Closed Millipore sampler – connection provided on the pipe just
ahead of the hoses.
- j. Pressure gauge test point, comprising a dry break Coupling and ball
valve.
- k. A pneumatically operated spring return deadman override control.
- l. Three Way valve selector switch
- m. Engine Throttle control
- n. Flow circuit diagram and operating instructions in the form of an
engraved plate.
- o. Emergency Engine Shut off
- p. Product Tank High Level indicator / Slope tank High Level Indicator
- q. Emergency Tank bottom Valve closure
- r. Emergency Flushing shut off.

14.3 The following items are to be located in the vicinity of the control panel.

- a. Control Valves
- b. Lanyard Reel
- c. Deadman stowage
- d. Sample draining point.
- e. Close Circuit Sampler.
- f. Bonding Reels-02 Nos.

14.4 All gauges and controls must be neatly laid and clearly labelled with either screwed or riveted fixings. The use of adhesive to secure labels is unacceptable. Calibration of all gauges to be in PSI & KG/CM². Make of the gauges as specified in Appendix 2.

15.0 Electrical Cabling Requirements

15.1 All electrical cables used in the Pit Flusher, including power, control, instrumentation and interlock cables, shall be FRLS (Flame Retardant Low Smoke) type and suitable for the specified application and hazardous-area environment, wherever applicable. Cables shall



comply with the relevant applicable IS/IEC standards.

- 15.2** Weatherproof switches to be used whenever the same in the open. The electrical cables used shall be PVC insulated, in oil resistant flexible conduits & shall be of "FINOLEX" make. All the cable jointing should be in proper junction boxes. All junction boxes/enclosures used for the Pit Flusher shall be FLP (Flameproof) certified and suitable for the applicable hazardous area classification. All cable glands shall be SS double-compression, FLP type and PESO-approved, suitable for the respective cable size and hazardous-area application. Valid PESO certification and test certificates shall be submitted for all FLP junction boxes, cable glands and cables, as applicable, along with the supply. The certificates shall clearly establish the make, model/type, certification details and compliance with the applicable standards. Installation location and installation shall be in a manner that there is no obstruction for safe operation & maintenance. GA drawing along with dimensions to be submitted to owner for review & approval prior to installation.
- 15.3** All electrical conduits and pneumatic PU pipes/tubing used in the Pit Flusher shall be suitable for high-temperature service and selected considering the maximum vehicle operating temperatures. Wherever conduits or pneumatic PU pipes/tubing are routed near engine, exhaust or other heat-generating/hot surfaces, adequate heat-resistant shielding/thermal protection shall be provided to prevent heat damage, degradation or failure. The routing shall maintain adequate clearance from hot surfaces, and suitable heat-resistant sleeves, guards or shields shall be provided wherever required.
- 15.4** The electrical cabling should be through conduits conforming to IP 65 standard. The conduits should be laid through proper racks/provided with proper clamping so as to provide ruggedness and aesthetic look. All the wires/PU tubes etc. should be passing through these conduits. Open /exposed wires /PU tubes should not be visible at any part of the dispenser. The conduits should be passing through suitable racks and the laying should be done to have an aesthetic look. In case of branching of conduits, it is to be done with proper fittings. Open joints/joints with insulation tapes etc. will not be allowed. The conduits may be of LAPP INDIA/ TECHNICA.
- 15.5** The entry of the conduits into junction boxes should be using proper glands/glands/gland lock nuts/fittings of IP 68 Standard. The glands should be of make LAPP INDIA/BOPLAFLEX/PHYNIX. In case it is demanded, party should provide certificate from the manufacturer



of these products to prove the protection standards. Equivalents may be used only after clearance from DAFFPL. The Deadman system with timer should be suitable placed near the refueling panel in stainless steel make open able box for protection from rains. The fabricator shall submit an as-built drawing of the electrical system at the time of submitting the final bill.

15.6 All the junction boxes used in the dispenser should have protection standards IP The make should be of RITTAL INDIA/BHARATIYA CUTLER HAMMER. All the conduit entries into the junction box should be through glands with suitable lock nuts (Make as specified above). Equivalents may be used only after clearance from DAFFPL. The panel lights/deck lights or any lights used in the module should be flame proof and the wire entry to the same should be through glands with IP 68 protection. The electrical wire/conduit to the platform should be properly routed through the scissors so that loose wires are not seen.

15.7 Complete electrical schematic, wiring, control and termination drawings for the Pit Flusher shall be provided, with unique ferrule numbers clearly identified on the drawings. The ferrule numbering shall be consistent throughout the electrical drawings, terminal plans, cable schedules, junction-box drawings and actual field wiring. All ferrules shall be machine-printed/printed as per the approved drawing and shall be permanently legible. Other ferrule marking shall not be accepted. All electrical cables shall be properly terminated using suitable crimped thimbles/ lugs/ ferrules, as applicable to the cable size, appropriate gland size as applicable and terminal arrangement. Suitable crimping tools shall be used to ensure proper and secure termination. The size and type of lugs/thimbles shall be selected as per the cable and equipment manufacturer's requirements. The supplier shall carry out point-to-point continuity and termination verification against the approved electrical drawings prior to inspection & commissioning. Updated as-built electrical drawings, incorporating any approved changes made during fabrication & testing, shall be submitted to DAFFPL and IOSPL as part of the final documentation.

16.0 Quality control features

16.1 Drain plugs to be provided at all low points in the pipe work and on items of equipment, which would not otherwise drain completely.



16.2 Sample points are to be provided at the following locations

- (i) 4" Hose Flushing sample from hydrant pits.
- (ii) 2" Hose- Dead end sampling points.
- (iii) 1.5" Hose- Low point/High Point sampling points.
- (iv) 1" Hose- Low point sampling points.
- (v) Product Tank Sump.
- (vi) Product recovery tank.

16.3 Sampling lines of Hoses are to be minimum 25 mm (1 inch) dia. The tank sump sample line is to be minimum 25mm (1 inch) dia. Stainless steel tubing is to be used. A stainless-steel ball valve to be fitted at the upstream end of each sampling line (i.e. where the line exits from the tank or Pipe). At the downstream end of all sample and drain lines a spring return valve is to be fitted.

16.4 Sampling lines are to be routed to the control panel side of the vehicle and grouped together, using minimum lengths of tubing. The outlets to be spaced at approximately 200 mm centers. The discharge from each sampling ball valve is to be directed vertically downwards and is to be sealed with a threaded cap with retaining chain. Each outlet is to be labelled and provided with a padlocking device. Gang locking is preferred.

16.5 A sample equipment stowage box, approx. 400 mm x 300 mm in aluminum/SS is to be fitted on the control side of the vehicle and provided with a lockable lid. The door to be restrained such that it provides a flat surface when open.

16.6 A tank of 50-70 liters capacity in SS is to be fitted on the other side of the vehicle for storing fuel tested with water detecting capsules. The bottom of the tank is to be steeply sloped for complete drainage and provided with drain line of 25mm dia fitted with spring return valve. The top surface of tank to have heavy duty large size funnel and 250 mm size lockable cap and 80 mesh gauge filter.

17.0 Closed sampling systems.

17.1 The closed-circuit sample container of 4 liters capacity is to be



installed on the control side of the vehicle. Inlet to it is to be branched into the 4-inch, 2-inch, 1.5-inch & 1-inch Hoses sample lines connection at a suitable common low height. Product from Closed level sampler shall be discharged into a product recovery tank on the control panel side. In sampling unit there shall be dedicated slots for thermometer and hydrometer.

- 17.2 The sampling point of the Pit Flusher shall be provided at a minimum ground clearance of 14 inches (approximately 355 mm) to facilitate safe and convenient operation, sampling and maintenance. The exact location and mounting arrangement shall be finalized considering accessibility, vehicle under-clearance and operational safety, and shall be submitted to Purchaser for review and approval.
- 17.3 The inlet ball valve of the Closed Sampling unit is to be spring loaded, and the container is to be illuminated from behind.
- 17.4 A tapered roof arrangement shall be provided at the sampling point, ensuring that the roof width does not exceed the overall width of the vehicle.

18.0 Product Recovery Tank

- 18.1 A minimum 100-litre capacity product recovery tank (SS) shall be provided to accommodate the online sample as well as product collected during other QC procedures. The recovery tank shall be suitably designed to enable transfer of the recovered product back into the product tank through an AODD pump.
- 18.2 The outside face of the tank to be fitted with an inspection window. The window is to be made of toughened glass, sealed on an "O" ring flange with stud fixing, sandwiched between a clamp ring. The topmost "see through" section of glass will identify the high liquid level in the tank and is to be marked accordingly.
- 18.3 The tank is to be suitably vented and the tank bottom is to be steeply sloped for complete drainage. The low point to be fitted with a 25 mm bore drain connection complete with 25 mm ball valve and threaded outlet connection dust cap and chain.
- 18.4 A stainless-steel earth bar is to be bonded or welded to a point adjacent to the recovery tank.



19.0 Information Marking

- a. Fabricator Name Plates
- b. Chassis Model, Chassis and Engine Number
- c. Tank Fabrication Plate in line with PESO
- d. Labelling of Required Tyre Pressures in PSI as per Manufacturer's recommendation

20.0 Safety marking

- a. All Emergency buttons are to be colored red. All other operating buttons are to be black.
- b. All critical items are to be clearly labeled to allow safe operation.
- c. All sampling points shall be clearly labelled.

21.0 Verification of requirements

- 21.1 The vehicle acceptance is to be subject to the Purchaser's inspection and approval during construction and before delivery.
- 21.2 The Vendor is to give at least one week's notice of the final inspection prior to delivery.
- 21.3 The complete vehicle, including chassis, is to be checked by the Vendor prior to submission for inspection by the Purchaser's representative to prove :
 - a) Compliance with axle and gross weight restrictions.
 - b) Satisfactory compliance with specification & drawings.
 - c) Hydrostatic pressure test to 240 PSI of all pipes work and components to specification requirements.
 - d) In situ pressure testing of hoses to 300 PSI.
 - e) Full flow fuelling tests to confirm compliance with flow rate and pressure drop requirements.
 - f) Functional test of all the vehicle systems as detailed in the specification.
 - g) The vehicle is to be road tested by the Fabricator to test road worthiness and compliance with specified construction standards.
 - h) Availability of all approvals as desired in these specifications.



- 21.4 A completed manufacturers inspection report is to be submitted to the Purchaser prior to acceptance testing indicating that the vehicle is fit to be released for use.
- 21.5 The Fabricator shall arrange all necessary test fluid, test equipment, gauges, labour etc. to carry out all necessary tests to prove compliance with specifications and shall rectify shortcomings where they do not meet the spirit of the specification.
- 21.6 Prior to acceptance of the vehicle at point of delivery, there will be a requirement for operator training and proving the vehicle fit for operational use.

22.0 Miscellaneous equipment and requirements

- 22.1 Single mud wings in fire retardant plastic or aluminum are to be supplied and fitted over the rear wheels of the tractor and trailer.
- 22.2 Large area mudflaps to be fitted to the rear edges of the front and rear mudwings. These flaps to be made from regulation materials and are to be carried down to within 75 mm of ground level in the laden condition.
- 22.3 Paneling to be installed to enclose all the fuelling equipment within a cabinet. The. Upward opening doors are to have spring or gas strut assistance for opening and a safety lock in the open position. The supporting sub-frame is to be designed to give full access to adjacent units for servicing and replacement.
- 22.4 All dial pressure gauges used in the dispensing / pneumatic system to have stainless steel bezels be UV stabilized glycerin filled, fitted with snubbers to reduce needle oscillations and be dual marked in psi and kg /cm².
- 22.5 All swivel joints used throughout the fuelling system are to be twin ball track.
- 22.6 No grease nipples are allowed on any swivel or other joints in the fuelling circuit. All such couplings shall be supplied pre-packed for life



and installed for complete weather protection.

- 22.7 All seals, joints, O rings, washers etc. which come into contact with the product carried by the vehicle are to be of Buna-N or Viton A material or agreed with the Purchaser as compatible with Aviation fuel (Jet A1). Plastic pipes are not to be used in any product line.
- 22.8 Corrosion due to the contact of similar metals between the chassis the sub-frame or any other equipment is to be prevented by painting the surfaces before assembly with a Zinc rich based primer.
- 22.9 All units and equipment to be positioned to give unhampered access for all routine servicing and maintenance of the complete vehicle. All major items of fuelling equipment are to be easily removed.
- 22.10 Electric and pneumatic equipment and control devices are to be kept to a minimum. Provision must be made for manual operation of any control if it is normally servo operated.
- 22.11 All product and vapor return pipelines connected into the cargo tank must be designed to prevent the free fall or spraying of product into the tank. All pneumatic tubing used in the pneumatic circuits must be shielded in split conduit, color coded ultra violet resistant cross referenced to the circuit diagram and impervious to direct sunlight.
- 22.12 All valves used for handling product must have stainless steel internals unless otherwise specified.
- 22.13 Decals to be provided for the diesel tank indicating the product, grade and volume of each tank.
- 22.14 All electrical circuits added by the Constructor shall be color coded and preferably numbered at all terminals.
- 22.15 The rear light assemblies on the vehicle are to be fitted with strong mechanical protection (easily removable) to prevent casual damage to the lens units.



- 22.16 An additional fluorescent light to be provided in the cabin and activated by the door opening, with a separate isolation switch inside.
- 22.17 Two Rubber wheel chokes with stand shall be required.
- 22.18 Earthing plate with required specification shall be required which is connected with the chassis.
- 22.19 Two Emergency Button shall be required on each side of the vehicle for emergency engine stop.
- 22.20 Additional Rear and front bumper of an approved design shall be required to protect the vehicle.
- 22.21 Two number of Bonding wire with reel of 30M length with heavy duty crocodile clip (*Anti Rust coating) of minimum current carrying capacity of 30A.
- 22.22 **Pressure gauges (Minimum 05 Nos of Pressure gauges of 0-10KG/cm² and minimum 01 No for Vacuum Gauge. Make-Baumer/Wikia) at all type piping systems for monitoring of fuel pressure is required. There shall be provision for in situ calibration at control panel/board.**
- 22.23 All the flange connections on the ATF pipelines shall be provided with copper strip jumpers to have electrical continuity.
- 22.24 SS Dust caps shall be required at all required places.
- 22.25 Double pole wiring to be provided for all load/connections in pit flusher.
- 22.26 **Spill Kit:** Spill Kit container (+/-30Lts Box) shall be installed on a vertical lockable bracket located on the right-hand side of the chassis. (The location shall be discussed in line with DAFFPL requirement.)
- 22.27 A roof or cover shall be provided over the applicable external panel, designed with a suitable opening and closing mechanism. The arrangement shall be easy to operate and shall not cause any obstruction or hindrance during operation, inspection, or maintenance.
- 22.28 QC Box, Toolbox & Spill Kit box is to be provide in SS material as per directions of DAFFPL/Owner.



23.0 Painting and Lettering

- 23.1 The complete vehicle to be painted in two pack polyurethane materials to the Purchaser's specification and drawing. Application of high-build, aviation-grade 2K polyurethane (PU) finish coat in the approved colour scheme on the external body, tank, chassis and other designated surfaces. Paint make shall be Berger/Asian Paints/ICP. Colour shall be as per applicable DGCA/Purchaser/Owner approved colour code, wherever applicable. Application of second/final PU finish coat to achieve the required appearance, uniformity, durability and protection. Minimum DFT: 35 microns per coat, or as specified in the approved paint manufacturer's guidelines. Wherever required, application of suitable fuel/chemical-resistant clear protective coat on the tank body, lower panels and other areas exposed to fuel/chemical splash. The coating shall be compatible with aviation turbine fuel (Jet A-1) and the complete approved paint system.
- 23.2 Application of 2K epoxy zinc phosphate primer over the prepared external body surface, including tank, fenders, doors, guards and visible chassis areas. Minimum DFT: 40 microns per coat, or as per approved paint manufacturers. Application of suitable 2K PU primer/intermediate coat compatible with the approved PU top-coat system. Make shall be from an approved manufacturer such as Berger/Asian Paints/ICP. Minimum DFT: 40 microns per coat, unless otherwise specified by the approved coating system.
- 23.3 Sanding between successive primer/intermediate coats using suitable grit (P400 or as recommended by the paint manufacturer) to obtain a smooth, clean and uniform surface before application of the finish coat.
- 23.4 All coating inspections and tests, including DFT, adhesion, holiday/spark testing and MIBK testing, as applicable to the coating system, shall be carried out as per the approved specification and applicable requirements. Test reports/certificates and coating inspection records shall be submitted to DAFFPL for review and acceptance prior to commissioning.



- 23.5 Cab interior and windows to be cleaned before delivery. Drill swarf, manufacturers debris and paint spray dust will not be accepted.
- 23.6 Full-width 3M retro-reflective Class 2 chevron/safety marking shall be provided on the rear body for enhanced visibility during apron/airside operation. Suitable retro-reflective safety stripes shall be provided on both sides of the lower body/sill area. Minimum width: 100 mm, unless otherwise specified by Owner.
- 23.7 All labels of each equipment and sampling point with SS metallic plates to be provided as per directions of DAFFPL.
- 23.8 A display board shall be provided for displaying the due dates and status of calibration, hose HPT, tank cleaning, and other applicable inspections/tests, including the date completed and next due date without any obstruction.
- 23.9 JET A-1 grade stickers (API 1542) shall be fixed to sides, front and rear of the vehicle.
- 23.10 3M Vinyl cut stickers for below mentioned-
- a. Jet A-1 in English & Hindi on all sides
 - b. No Mobile in English & Hindi on all sides
 - c. Hazchem, UN NO in English & Hindi on all sides
 - d. No Smoking in English & Hindi on all sides
 - e. Safety Instruction for keeping distance as vehicle can be stopped at any time at back side in Hindi & English.
 - f. Logo of DAFFPL with name of organization in Hindi & English in tank body each side, Front, Back, cabin doors etc. as required.
 - g. Capacity in English and Hindi on all sides
 - h. Flushing Vehicle No in English & Hindi on all sides of vehicle or as required.
 - i. No Smoking in English & Hindi on all sides of vehicle or as required.
 - j. Any other requirement as directed by DAFFPL.
- 23.11 An instruction plate shall be attached as near the pump selector/gear lever or on the dashboard giving clear instructions for PTO engagement/disengagement
- 23.12 Sample points are to be clearly marked.



23.13 The fuelling circuit and operating instruction plate shall be affixed near the control panel.

23.14 The language used for labels and signs, including those for the vehicle fuse box, shall be English.

24.0 Literature / Operation and maintenance Manual

24.1 Two copies of the fuelling equipment Operation and Maintenance manual are to be supplied with each vehicle.

24.2 The literature will be fully descriptive and include a comprehensive spare parts list, detailed drawings of the fuel flow circuit, pneumatic, hydraulic and electrical systems and copies of all approvals, approved drawing by CCE and final inspection report. It will also include a written procedure for vehicle operation.

24.3 A proof copy of the literature is to be submitted at least three weeks before delivery of the vehicle.

24.4 Copies of approvals will also be forwarded to this office for our record and to the location for further necessary action at their end.

25.0 Insurance

25.1 The complete unit including chassis is to be fully insured by the Fabricator against loss, damage, and third-party risks whilst it is in the Fabricator's premises and till delivery to final destination.

25.2 The fabricator shall take comprehensive insurance for the Chassis and the refueling equipment for a period of 1 year from the date of delivery.

25.3 The Purchaser will take responsibility for the vehicle when the order contract commitment is complete, and the vehicle is delivered at site.

25.4 The Fabricator is to insure the vehicle against all risks for shipping, storage and transportation until delivery to final destination.

25.5 All vulnerable items, lights etc. must be protected against damage during transit.



- 25.6 All loose or easily removable equipment is to be removed and stowed in secure container and locked in the cab with any other loose spares and components.
- 25.7 Copies of all relevant documents, operating instructions and vehicle keys are also to be locked in the cab.
- 25.8 The vehicle is to be gas free to a level consistent with the shippers/transporters requirements.

26.0 **Guarantee and Spares**

- 26.1 The fuelling equipment and all bought in components are to be guaranteed by the Fabricator for 24 months from the date of actual delivery at DAFFPL. The guarantee should cover any design defect, rough use, life span of the particular component etc.
- 26.2 The Fabricator must ensure that the guarantee on all bought out items is passed on to original supplier. In case of any repair/replacement (as decided by DAFFPL), the fabricator has to ensure that for all items purchased by them for the fabrication shall be replaced free of cost during the guarantee period.
- 26.3 Fabricator to supply parts and labor warranty or pay local labor costs for repairs within the guarantee period.
- 26.4 The Fabricator is to ensure that fuelling equipment spares are available for minimum 10 years.

27.0 **Drawings and Documents**

The supplier/fabricator shall prepare and submit complete engineering drawings and technical documentation for the Pit Flusher, covering the complete vehicle and all equipment/systems installed on the vehicle. The drawings shall be sufficiently detailed to facilitate review, operation, maintenance and future troubleshooting. The engineering drawing/documentation package shall include, but not be limited to:



- a. General Arrangement (GA) drawing showing overall dimensions, equipment layout, access, clearances and mounting arrangements.
- b. Tank drawings including tank construction details, capacities, internal arrangement, manholes, vents, drains, baffles, nozzles, fittings and material specifications etc.
- c. Fuel flow/P&ID showing complete fuel flow path, valves, pumps, strainers, mesh, couplings, hoses, flow meters, sampling arrangements, pressure gauges and other associated equipment.
- d. Hydraulic system drawings, including hydraulic circuit, pumps, valves, actuators, reservoirs, piping/hoses, pressure settings and interlocks, wherever applicable.
- e. Pneumatic system drawings, including air supply, compressor/receiver arrangement, pneumatic lines, solenoid valves, actuators, dead-man control, sensing lines, regulators, FRL units and associated safety/fail-safe arrangements.
- f. Electrical system drawings, including single-line diagram, wiring diagrams, control circuit, control panel, junction boxes, cable routing, earthing/bonding arrangement, interlocks, sensors, switches and instrumentation.
- g. PTO and vehicle interlock schematic, including all operational and safety interlocks.
- h. Equipment layout and mounting drawings for each major equipment/component.
- i. Instrumentation and control drawings, including instrument list, tag numbers, signals and control philosophy.
- j. Cable schedule, termination schedule and junction-box schedule, wherever applicable.
- k. Piping/tubing and hose routing drawings, including sizes, materials, pressure ratings and identification.
- l. Safety and emergency system drawings, including bonding/earthing, dead-man system, brake interlocks and other applicable safety provisions.
- m. Tank internal/external coating details, including approved coating system and inspection requirements.
- n. Equipment's datasheets for all major components.
- o. The complete engineering drawing package shall be submitted in PDF and editable/native format for review. Purchaser will review and approve the drawings, and the supplier shall incorporate all comments before fabrication/implementation. No fabrication, modification or



procurement of critical equipment shall be undertaken based on unapproved drawings. Any subsequent change or deviation from the approved design shall require prior written approval from DAFFPL.

Above mentioned & following Drawings and Diagrams are to be submitted along with the Vehicle: -

- a) General arrangement with critical component list
- b) Tank drawing.
- c) As built drawings.
- d) Fuelling system – Fuelling Mode.
- e) Fuelling system – Suction/Defuelling Mode.
- f) Electrical and Pneumatic as applicable
- g) Tank Calibration Certificate.
- h) PESO Type Approval drawing
- i) Certificate of Tank Testing by Competent Person
- j) Safety fitting certificate certified by a competent person
- k) Three Copies of Design and Mounting Drawings for PESO
- l) Assistance in Form VIII B of PESO while application from Location.

28.0 Third Party Inspection: Refer Appendix 4.

**APPENDIX-1****VEHICLE DATA SHEET FOR FABRICATION & SUPPLY OF PIT FLUSHING TRUCK.**

Region / Country		India
Product		JET A1
Type		Pit Flushing Truck
1	Temperature range	0 ^o C to + 55 ^o C
2	Max. Dimensions : Length	-
	: Height	3000 mm
	: Width	2600 mm
3	Pipe material	SS 304 L
4	Pipe threads	NPT
5	Hydrant dual pilot operation	YES
6	Depressurization system	Push button
7	Millipore connection	YES
8	Reel Hose - Number:	1
	Diameter:	4-inch
	Length:	07 meters
9	Reel Hose - Number:	1
	Diameter:	2-inch
	Length:	12.5 meters
10	Reel Hose - Number:	1
	Diameter:	1.5-inch
	Length:	12.5 meters
11	Reel Hose - Number:	2
	Diameter:	1-inch
	Length:	12.5 meters each
12	Hose beads	YES
13	Hose rewind	Electric



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

14	Electrically/ pneumatically operated Wired deadman control system	YES
15	Brake Interlock	Electro-Pneumatic
16	Closed circuit sampler	YES
17	Recovery tank size	80 Liters
18	Fire extinguishers & bracket	Bucket Type Fire Extinguisher stand
19	Earthing plates	YES
20	Reverse Parking camera with 7 Inch LCD in Cabin	YES
21	Operating Module to be enclosed	Yes
22	Self-Loading Provision	Yes
23	Oil Spill Kit Box / Deadman Handle Box	Yes
24	Product Pump – PTO driven	Yes



APPENDIX 2

List of Specified items for supply of 20000 liters capacity Pit Flusher

Item	Supplier	Type	Optional (Similar performance and compatible)
Tank Manhole Emco Type	Emco Wheaton, UK	F0512332	OPW USA or Avery Hardoll UK or Alfons Haar Germany
Tank Content Gauge	Bayham	DR 250	--
Tank Discharge Valve 3 Inch	Samart	--	--
Bottom Loading Valve	Carter USA,	64055A	Whittaker USA, Avery Hardoll
Air Vent	Carter USA	64167	Whittaker
Jet Level Sensor	Carter	64079A	Whittaker
Product Pump	Gorman Rupp, USA	02-F1 GR	
Butterfly Valve	Flowserve/ Audco	--	Xomox, Keystone or of any reputed make
Three Lug Adapter	Carter USA		Whittaker , Avery Hardoll
Catherine Type Hose Reel Electrically Operated	By Fabricator	--	--
Wired Deadman	Fluid Transfer		Gammon, Alfons Haar, Liquip.
Pressure Relief Valve	HYPRO	-	-
Spring Loaded Ball Valve	Conbraco (APOLLO)		Gammon
Closed Circuit Sampler	Aljac, UK	(Nearly 4 ltrs. Capacity)	Titan Aviation-France Fluid transfer-UK
Ball Valve	Audco / L&T		Xomox, Keystone or of any reputed make
Three Way ball valve	Xomox	2 Inch	--
4 Inch Aviation Hose	Elaflex		Hewitt



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

2, 1.5 & 1 Inch Aviation Hose	Elaflex		Hewitt/ Parker/Trelleborg
4 Inch Hydrant Coupler	Carter	64900FW3P	Meggitt or Equivalent
Dry disconnect coupling	Meggitt		Elaflex / Mantek /
Hand Pump	GPI	F0031600APM	
Pressure Gauge (0-150, 0-300)	Wikia / Baumer	100 mm Dia SS make glycerin filled with readings in PSI	Any reputed make acceptable to DAFFPL
Vacuum Gauge	Wikia / Baumer	100 mm Dia SS make glycerin filled With readings in PSI	Any reputed make acceptable to DAFFPL
Fire Extinguishers- 9 Kg	Safe Pro	9 Kg SP type	Any reputed make acceptable to DAFFPL
Fire Extinguisher – 2 Kg	Safe Pro	Co2	Any reputed make acceptable to DAFFPL
Pneumatic Circuit	Pneumatic Pipes: Nylon Tubing of Legris / Festo Air Regulator: Festo, FRL – Festo Quick Release Valve – Festo Multi Port Valve – Univer/ Parker /Festo Pressure Switch – Parker Override Switches – Camozzi / Parker		
Electrical Circuits	Proximity Sensors: Pepperl Fuchs / Teknic Relays: Salzer / Omron Limit Switches – Teknic Solenoid Valves – Camozzi / Parker Engine Cut off Switch – Teknic Double pole cut off		



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

	Switch – TATA Obstruction / Anticollision Lights – LED Automotive Reverse Camera with 7 Inch LCD – Worldtech / Samrah
--	--

Note: Victaulic or other types of flexible connections in the pipe work are not acceptable on the downstream side of the pump. All the above components (in the delivery line), wherever applicable, should have flange joint connections.

**APPENDIX 3**

The chassis with suitable for fabrication of 20 KL Capacity Pit Flushing Truck shall be in the scope of the fabricators. The Chassis should be with factory built-in-cabin meeting BS-VI certification and shall be equipped with ABS and power steering. The fabricator shall take comprehensive insurance for the Chassis and the refueling equipment for a period of 1 year from the date of delivery. The makes of the Chassis could be Ashok Leyland/Eicher/TATA. However, the fabricator has to intimate to DAFFPL for selected make & model of chassis before procuring the Chassis.

Requirement: Chassis should be factory built-in tiltable cabin meeting BS-VI emission standards. Chassis shall have PTO, ABS and Power steering facility further details are given below:

Sl No	Particulars	Requirement
1	Engine	1. Should be Diesel powered. 2. Should meet BS VI Emission norms 3. Engine Aspiration: Turbocharged intercooled. 4. Provision of additional Engine cut-off switch. 5. Provision of Speed governor to speed lock at 30 km/hr. 6. Provision of Engine hours meter is preferred.
2	Transmission	1. Manual Transmission. 1. GBS40, 5 speed synchromesh/ hybrid gear box. 2. Clutch should be single plate dry type.
3	Chassis	1. Full frame chassis. 2. Body should be customizable.
4	PTO	1. Factory Fitted PTO side mounted. 2. Suitable for driving Fuel Pump. 3. PTO Should be Pneumatically engaged.
5	Battery	1. Heavy duty 24 V 150 Ah with 12-month warranty 2. Should be in proper enclosure with inspection /maintenance cover. 3. Both terminals of Battery should be connected to Double pole cut off switch (300 Amp capacity) and all further connections should be taken from the double pole cut off switch.
6	Drive	1. Right Hand drive 2. 6X 2 axle configuration with shock absorbers, parabolic/ semi elliptical springs Minimum Ground Clearance 260 mm



7	Cabin	1. Factory built in cabin. 2. Seating capacity Driver +1 3. Cabin shall be air-conditioned. 4. The driver seat should have longitudinal and horizontal adjustment. 5. Instrument Panel should be made from non-metallic material and have molded design to house various instruments, gauges, and controls. 6. The cabin should also have a large single windscreen & suitable wiper with washer jets to be provided. 7. Cabin should have convenient and safe entry / exit footsteps. Additional handle may be provided for maintaining 3 point contact. 8. Proper ventilation inside cabin to be provided. 9. Large-size Rear View Mirror on each side of Cabin to be provided and fixed glass on rear side of cabin. 10. Rust preventive coating shall be provided underneath of cabin. 11. Reverse parking Assist with Proximity sensors
8	Steering	1. Power Steering. 2. Tilt and telescopic feature preferred.
9	Braking System	1. Air Assisted Parking brakes with ABS. 2. Pneumatically operated parking brakes
10	Exhaust	1. Flexible wrap around insulation of exhaust pipe. 2. Complete Metallic shielding of Exhaust pipe from Chassis. 3. Exhaust Outlet Pipe to be re-routed on co-driver Side. 4. Provision of Manual regeneration of exhaust system. 5. Exhaust system health / warning indicators in Cabin.
11	Fuel Tanks	1. Made of anti-corrosive material/ composite HDP polymer/ or ARAI approved type. 2. Position of Diesel tanks towards co driver side preferred.
12	Color	Jasmine White
13	Tool Kit	1. Tool Kit and Hydraulic Jack Tool kit list to be provided



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

14	Literature	1. User manual 2. Service Booklet 3. Spare Parts Manual
15	Warranty	1. 24 months from date of delivery of chassis. Free servicing – 3 No's KM based
16	Recommended Make	ASHOK LEYLAND /EICHER /TATA
Note: It is complete responsibility of contractor/fabricator to select make & model of chassis so that after fabrication, the complete pit flushing truck/ vehicle shall be suitable for final approval from PESO for 20KL Capacity.		



Appendix - 4

THIRD PARTY INSPECTION

SCOPE OF WORK:

1. Inspection of Chassis at the fabricator's premises.
2. Testing of MS plates, structural and Z section for composition and strength as per the specification. Certify that the following equipments are in compliance with the applicable standards /specifications
 - a. Electrical enclosures – IEC 144/BS.EN60947/IP 65 standard
 - b. Double pole master switch – BS 5345
 - c. PD meter API – MPMS 6.4
 - d. Pipes: ASTM A 312 grade TP.304L and Sch 5S, or ASTM grade A321 or ASTM grade A316
 - e. Flanges – ASTM A 182 grade F304L(Dimensionally in accordance with ANSI B 16.5)
 - f. Pop rivets materials – BS-1473 Al Mg 5 or similar

Verification of documents and material for steel plates for M.S. Tank. Inspection during welding of tank- to check weld quality, continuous welding for welding baffles and welding of MS Strips. D.P. test of butt weld.

3. Welding procedure approval, Welder qualification and welder inspection.
4. DP test for welding.
5. Radiography for all weld joints of tank.
6. Ultrasonic Testing for thickness of all MS plates and for pipelines.
7. Hydro testing of the tank, dump tank and piping circuit is in accordance with applicable pressure test pressures.
8. Soap solution leak test for pneumatic system.
9. Electrical insulation test for electrical equipments and wiring.
10. Verification of electrical requirements as defined in Section.
11. Verification of mechanical integrity of the complete unit.
12. Verification of tank calibration and contents.
13. Confirmation of stability and weight distribution.
14. Dimensional check.
15. Shot blasting, primer and paint application as per the paint supplier's painting scheme for external & internal painting.
16. Verification of marking requirements as per API 1542.
17. Certify the as-built drawings.
18. Submission of third-party report.
19. Fabricator to obtain approval of DAFFPL on the inspection schedule.



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

ANNEXURE I – DEVIATION SHEET

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

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

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

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

ANNEXURE II – DECLARATION SHEET

Date:

DECLARATION

We, M/s _____, hereby unconditionally, accept all terms & conditions of TENDER NO.: DAFFPL/FF/2026-27/01 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 bidder's 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.

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFPL/FF/2026-27/01

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, we hereby irrevocably undertake 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 DAFPL, withdrawn its offer after the latest time specified for its submission and before the expiry of its period of validity;
or

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

- 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
- 3) DAFFPL entered into 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.

Date:

Signature:

Designation:

Name of the Branch

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFPL/FF/2026-27/01

ANNEXURE-IV

PROFORMA OF COMPOSITE BANK GUARANTEE (SECURITY DEPOSIT & PERFORMANCE)

(On Non-Judicial paper of Rs. 100/-value)

To,

DAFFPL

Dear Sirs,

M/s have taken tender for the workfor Delhi Aviation Fuel Facility Private Limited.

The tender Conditions of Contract provide that the Contractor shall pay a sum of Rs. (Rupees) as security deposit & performance guarantee in the form therein mentioned. The form of payment of security deposit & performance guarantee includes guarantee executed by Scheduled Bank at New Delhi, undertaking full responsibility to indemnify DAFPL, in case of default. The said party have approached us at and their request and in consideration of the premises we having our office at have agreed to give such guarantees as hereinafter mentioned.

1. We -----hereby undertake and agree with you that if default shall be made by M/s. -----in 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 -----only or such portion thereof not exceeding the said sum as you may from time to time require.
2. You will have the full liberty without reference to us and without effecting this guarantee, postpones for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said -----and to enforce or to forbear from endorsing any powers of rights or by reason of time being given to the said -----which under law relating to the sureties would but for provision have the effect of releasing us.
3. Your right to recover the said sum of Rs. ----- (Rupees - -----) from us in manner aforesaid will not be affected or suspended by reason of the fact that any dispute or disputes have

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

- been raised by the said M/s. -----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 said -----but 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 Rupees -----our guarantee shall remain in force until -----unless a suit or action to enforce a claim under Guarantee is filed against us within six months from -----(which is date of expiry of guarantee) all our 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 -----(Rupees -----).This Bank Guarantee shall be valid up to -----and 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 dated -----granted to him by the Bank.

Yours faithfully

-----Bank
By its Constituted Attorney
Signature of a person duly
Authorized to sign on behalf of the bank

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

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.

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

(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



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

ANNEXURE VI

DECLARATION to be submitted along with Technical Bid

TENDER NO: DAFFPL/FF/2026-27/01

(M/s. _____) hereby declare / undertake that:

1. We have not been banned or delisted by IOCL/BPCL/DIAL or any government or quasi-Government agencies or Public Sector Undertakings.
2. I/We have not tampered or modified the subject tender document in any manner and before uploading, same has been cross-checked with documents hosted on your e-portal. In case, if same is found to be tampered/modified, I/We understand that my/our tender will be summarily rejected, and EMD/SD may be forfeited, and I am/We are liable to be banned from doing business with and/or prosecuted.
3. I/We, hereby confirm that if any discrepancy observed in the submitted tender even at a future date, I/We will abide by all the terms and conditions as per all the documents hosted including Addendums/Changes/Corrigendum, on your e-portal related with subject tender. I/We further assure that we agree to all the decisions confirmed in Pre- Bid Conference of the subject tender.

Stamp & Signature of the Bidder

NOTE: If a bidder has been banned by IOCL/BPCL/DIAL or any Government or quasi-Government agencies or PSUs, this fact must be clearly stated with details. If this declaration is not given along with the technical bid, the tender will be rejected as non-responsive.

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

ANNEXURE VII

DECLARATION to be submitted along with Technical Bid

TENDER NO: DAFFPL/FF/2026-27/01

(M/s. _____) hereby declare that they shall be at all times indemnify and keep indemnified the OWNER and its officers, servants and agents from and against all third party claims whatsoever (including but not limited to property loss and damage, personal accident, injury or death of or to property or person of any sub-contractor and/or the servants or agents of the CONTRACTOR or any other contractor(s) and any sub-contractor and/or of the Owner), and the CONTRACTOR shall at his own cost and initiative at all times up to successful conclusion of the "PERIOD OF LIABILITY FROM THE DATE OF COMPLETION OF WORK"

(M/s. _____) also undertake that they 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.

Stamp & Signature of the Bidder

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

Annexure VIII

UNDERTAKING BY THE TENDERER(S)

NAME OF WORK: DESIGN, FABRICATION & SUPPLY OF 20KL PIT FLUSHING TRUCK

TENDER NO: DAFFPL/FF/2026-27/01

We confirm that we have quoted the rates in the tender considering Inter-alia the:

1. **Tender Document(s)**
2. **Additional Document(s) (if any)**
3. **Site Conditions**
4. **BOQ Document (Price Bid Format)**
5. **Corrigendum/Addendum (if any)**
6. **Prebid Meeting Minutes (if any)**

We _____ (Name of the Tenderer) hereby certify that we have fully read and thoroughly understood the tender requirements and accept all terms and conditions of the tender including all corrigendum/addendum issued, if any. Our offer is in confirmation to all the terms and conditions of the tender including all corrigendum/addendum, if any and minutes of the pre-bid meeting. In the event our offer is found acceptable, and contract is awarded to us, the complete tender document shall be considered for constitution of Contract Agreement.

Signature (With Stamp) of the Bidder:

Date:

Name of Signatory:

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

Annexure IX

PROFORMA FOR DECLARATION ON NCLT/NCLAT/DRT/DRAT/COURT RECEIVERSHIP/LIQUIDATION

TENDER NO: DAFFPL/FF/2026-27/02

Bidder Name:

I / We hereby declare that I / We / M/s. _____ declare that:

- (i) I / We am / are not undergoing insolvency resolution process or liquidation or bankruptcy proceeding as on date.

OR

- (ii) I / We am / are undergoing insolvency resolution process or liquidation or bankruptcy proceeding as on date as per details mentioned below (Attached detail with technical bid)

Note: Strike out whichever is Not Applicable

It is understood that if this declaration is found to be false, DAFFPL shall have the right to reject my / our bid and forfeit the EMD. If the bid has resulted in a contract, the contract will be liable for termination without prejudice to any other right or remedy (including blacklisting or holidaylisting) available to DAFFPL.

Signature (With Stamp) of the Bidder:

Date:

Name of Signatory:

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFPL/FF/2026-27/01

ANNEXURE X

STATEMENT OF CREDENTIALS

(A)

1. NAME AND CORRESPONDENCE ADDRESS OF THE TENDERER

PERMANENT ADDRESS OF THE TENDERER

2. TELEPHONE NO. _____

MOBILE NO. _____

3. NAME OF CONTACT PERSON(s): _____

4. NAME OF THE AUTHORISED SIGNATORY: _____

5. E Mail ID: _____

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

(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 “Other Mandatory Documents”)

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

- (C) **Details of Completed Purchase/Work Orders of minimum value as per pre-qualification criteria (PQC/BQC) during last SEVEN years as specified in PQC/BQC of the tender.**

Sl. No.	Particulars	1	2	3
a	Party's Name to whom supplied/works carried out, Clear Postal Address, Telephone/Fax Nos and E-Mail Address.			
b	<u>Purchase/Work Order Details-</u>			
	PO/WO Reference No.			
	PO/WO Date			
	PO/WO Value (Rs. in Lakhs)			
c	Quantity & place of supply/work			
d	Scheduled time of delivery/completion as per PO/WO			
e	Date of commencement of supply/work			
f	Date of completion of supply/work			
g	Completion certificate reference and date			

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.

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

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

SL No.	Financial Year	Value (Rs. In Lakhs)
1	2023-2024	
2	2024-2025	
3	2025-2026	

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
2023-2024		
2024-2025		
2025-2026		

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
2023-2024		
2024-2025		
2025-2026		

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

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

(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 and Branch Address	Bank Guarantee No and Date	BG Amount Rs.	Date of issuance	Valid Upto

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

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

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

Factory 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.

Sign & Stamp of Bidder



DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

Tender No.: DAFFPL/FF/2026-27/01

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:

Dated:

To,
M/s DAFFPL.

Dear Sir,

With reference to your advice, we hereby agree to accept the payment of our bills through "RTGS/NEFT/Electronic Mode". The desired bank account details 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 account is enclosed for verifying the accuracy of the bank account details.

I hereby declare that the particulars given above are correct and complete.

(Signature of Account Holder)

Seal of the Vendor

Encl: Cancelled Cheque

Sign & Stamp of Bidder