DELHI AVIATION FUEL FACILITY (PRIVATE) LIMITED

Request for Proposal (RFP)

FOR

Supply of Hydrant Pit Valves, Pit Box, Isolation Valves, Low Point and Valve Chamber Access Cover

IMPORTANT NOTICE

DISCLAIMER

1. This Request for Proposal ("**RFP**") is being issued for the determination of Interested Parties (hereinafter defined) for the award of supply of equipment ("**Materials"**) at Cargo Terminal of the Indira Gandhi International Airport at New Delhi. This RFP provides the conditions and timelines and has been prepared by Delhi Aviation Fuel facility Private Limited to assist entities to whom this RFP is issued, ("**Interested Parties**") to submit a proposal in response ("**Proposal**") to this RFP. The information contained in this RFP is being provided for the limited purposes of enabling the Interested Parties to submit Proposal(s) and for no other purpose. In no circumstances shall DAFFPL, or its respective advisors, consultants, contractors, officers, representatives, servants, employees and/or agents incur any liability arising out of or in respect of the issue of this RFP, or the bid process.

2. This RFP is being made available by DAFFPL to the Interested Parties on the terms set out in this RFP. This RFP is not being distributed to the public and its possession or use in any manner contrary to any Applicable Law is expressly prohibited. The Interested Party(s) shall inform themselves concerning and shall observe any and all applicable legal requirements in submission of their Proposal(s).

3. This RFP does not, purport to contain all the information that the Interested Parties and their advisors would desire or require in reaching a decision as to the submission of the Proposal. This RFP is a summary of available information and no reliance shall be placed on any information or statements contained herein, and no representation or warranty, expressed or implied, is or will be made in relation to such information and no liability is or will be accepted by DAFFPL, its respective advisors, consultants, contractors, officers, representatives, employees, servants and/or its agents in relation to the accuracy, adequacy or completeness of such information or statements made, nor shall it be assumed that such information or statements will remain unchanged.

   4. The information does not purport to be comprehensive or to have been independently verified. Nothing in this RFP shall be construed as legal, financial or tax advice. DAFFPL and its respective consultants and advisors will not be liable for any costs or expenses, howsoever incurred by the Interested Parties in connection with the preparation and/or submission of a Proposal. DAFFPL reserves the right to amend this RFP and any information contained herein at its sole discretion, at any time by written notice to the Interested Parties.

5. Nothing in this RFP is, nor shall be relied upon as, a promise or representation as to DAFFPL's ultimate decision in relation to the Works. DAFFPL expects to select an entity for Supply of equipment **("Suppliers")** in accordance with this RFP on the basis of the proposal submitted by the Interested Parties. Interested Parties shall not, therefore, assume that they will have the opportunity to revise their proposals following submission. However, DAFFPL reserves the right to change the basis of or the procedures (including the timetable) relating to the tender process, reject any, or all, of the Interested Parties, not to invite a Interested Party to proceed further, not furnish a Interested Party with additional information nor otherwise to negotiate with a Interested Party in respect of the Supply Works at any time. DAFFPL does not undertake to accept the lowest or indeed any Proposal.

6. No person other than Mr. Rakesh Arora has been authorized by DAFFPL to give any information or to make any representation, not contained in this RFP and, if given or made, any such information or representation shall not be relied upon as having been so authorized.

7. This RFP is confidential and personal to each Interested Party. The Interested Parties have signed and submitted to DAFFPL, a Letter of Undertaking for Non-Disclosure with DAFFPL which, inter alia, prohibits disclosure of any information by the Interested Party to any person or body corporate, except as permitted in terms of such letter of undertaking and the Interested Party agrees to remain bound by the same. Any failure to comply with the terms of such letter of undertaking shall entitle DAFFPL to disqualify the relevant Interested Party.

8. Nothing contained in this RFP is, or shall be relied upon as, a representation of fact or promise as to the future. Any summaries or descriptions of documents or contractual arrangements contained in any part of this RFP are only indicative and cannot be and are not intended to be comprehensive, nor any substitute for the underlying documentation (whether existing or to be concluded in the future), and are in all respects qualified in their entirety by reference to them.

9. This RFP outlines DAFFPL's expectations in relation to the Proposal(s) to be submitted by the Interested Parties. DAFFPL, its respective advisers, consultants, contractors, officers, representatives, employees, servants and/or agents do not accept any responsibility for the legality, validity, effectiveness, adequacy or enforceability of any documentation executed, or which may be executed, in relation to the Works. No legal or other obligation shall arise between an Interested Party and DAFFPL unless and until the Agreement has been formally executed between DAFFPLL and the selected Interested

Party (hereinafter defined) and any conditions precedent to the effectiveness of such Agreement has been fulfilled. DAFFPL shall not be obliged to appoint any of the Interested Party(s) and reserves its right not to proceed with the bid process and to withdraw from the bid process, or any part thereof, at any time at its absolute discretion.

10. Each Interested Party must rely on the terms and conditions contained in the Agreement when, and if, finally executed, subject to such limitations and restrictions which may be specified in the Agreement. Any reference to this RFP in the Agreement or any correspondence between DAFFPL and the Interested Party shall not be construed so as to have the effect of this RFP forming part of the Agreement.

11. The Interested Parties are prohibited to effect, undertake, abet or prompt any form of collusion or arrangement by and/ or between any one or more Interested Party(s) (directly or through their advisers or consultants) in an attempt to influence the bid and award process or dispersing any kind of information, which is not factually correct or may adversely affect the competitive bidding process. Giving or offering of any gift, bribe or inducement to any officer/ employee of DAFFL or to any other person in a position to influence the decision of DAFFPL for showing any favour in relation to this RFP or any other contract, shall render the Interested Party to such liability/ penalty as DAFFPL may deem proper, including but not limited to rejection of the Proposal of the Interested Party.

12. This RFP is subject to the Laws of the Republic of India. The courts at Delhi shall have exclusive jurisdiction in relation to any disputes arising from this RFP.

13. Each Interested Party's acceptance of delivery of this RFP constitutes its agreement to, and acceptance of, the terms set forth in this Disclaimer and as set forth in the Letter of Undertaking for Non Disclosure executed and submitted by the Interested Parties to DAFFPLL. By acceptance of this RFP, the recipient agrees that this RFP, Letter of Undertaking for Non Disclosure and any information herewith supersedes document(s) or earlier information, if any, in relation to the subject matter hereof.

NOTICE
OF
REQUEST FOR PROPOSAL

DAFFPL invites applications from Interested Parties to submit the Proposals for the supply of equipment ("Materials") on the terms and conditions contained in this RFP.

The Proposal shall be unconditional, firm and valid for a period of ***90 (Ninety) days*** from the due date of submission. Any Proposal which have validity lower than that specified above shall be rejected by DAFFPL as being non-responsive. However, DAFFPL may request the Interested Parties to extend the Proposal beyond the Proposal Validity Period by written notice to the Interested Parties.

The Interested Party(s) are advised to visit and inspect the Site and its surroundings and obtain for itself on its own responsibility and cost, all information that may be necessary for preparing the Proposal and entering into the Agreement. The site inspection shall be carried out as per the timeline identified in this RFP, subject to the security clearances.

Interested Parties may obtain further information from:

Tender Officer:
Mr. Rakesh Arora
Delhi Aviation Fuel Facility (Private) Limited
Aviation Fuelling Station, Shahbad Mohammadpur,
IGI Airport, New Delhi – 110 061, India
Tel. + 91-11-25654862, 25654858
Email: rakesh.arora@daffpl.in , vishnu.vardhan@daffpl.in

The Interested Parties are advised to adhere to the following schedule for the purpose of this Request for Proposal:

Date of issuance of Request for Proposal	:	*05.03.2019*
Last Date for submission of queries	:	*08.03.2019*
Reply to the queries/ clarification by the Employer and issuance of Addendum, if any	:	*11.03.2019*
Last date for Proposal submission	:	*16.03.2019 @ 12:00 Hrs*
Opening of Technical Bids	:	*18.03.2019 @ 11:00 Hrs*

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Section 1

Terms and Conditions for the Submission of Proposal

1.	**Qualification of the Interested Parties**	1.1	The Interested Parties who will submit its Proposal shall be a registered private or public legal entity having adequate financial capacity, experience and technical know-how to undertake Works, and authorized representative of original manufacturer and able to deliver the material with in the time schedule specified after placing the P.O
2.	**Queries and Clarification of Request for Proposal**	2.1	Within the time as notified in Notice of Request for Proposal, any of the Interested Parties requiring any clarification/ query of the RFP or related to the Works may notify the Tender Officer in writing or by Email/fax at the Tender Officer's address indicated in this RFP. The Employer may respond to any request for clarification which it receives in accordance with the timelines set out in Notice of Request for Proposal.
3.	**Site Visit**	3.1	Not Applicable
4.	**Amendment of Request for Proposal**	4.1	If any addendum is issued by the Tender Officer with respect to this RFP prior to Proposal submission date then to afford Interested Parties reasonable time in which to take an addendum into account in preparing their Proposal, the Employer may extend the deadline for submission of Proposal
		4.2	In case after issuance of any addendum, Interested Parties who have already submitted their Proposal, do not resubmit their Proposals, it shall be deemed that such Interested Parties do not intend to modify their Proposal on the basis of the addendum and the addendum has been taken into account.
5.	**Preparation of Proposal**	5.1	The Proposal submitted by the Interested Parties shall comprise the Price Proposal (duly filled Bill of Quantities), Technical Proposal and other documents as may be required and set out in this RFP.
		5.2	Interested Parties shall quote for the entire supply, such that the total price proposal covers all its risks, obligations and liabilities set out in or to be reasonably inferred from the RFP in accordance with the requirements of the supply and applicable laws.
		5.3	In price proposal i.e. Bill of Quantities, the Interested Parties shall quote all prices inclusive of all taxes, duties and levies for supply and delivery of all the material/equipment to the Project site, New Delhi, India for execution of the Works. The Interested Parties shall submit detailed breakup of the taxes, duties and freight in the price proposal.
		5.4	Not applicable
6.	**Form of Proposal and Other Documents Comprising the Proposal**	6.1	The Interested Parties shall submit the Proposal in the form attached to this RFP as Attachment 1 along with a Letter of Undertaking for Non-Disclosure as annexed with this RFP in Attachment 2. The Interested Parties shall along with the Proposal submit a authorization, authorizing the signatory of the Proposal to commit the Interested Parties.
		6.2	Not Applicable
		6.3	The Interested Party shall submit a Technical Proposal for the execution of Works. The Technical Proposal shall comprise the following:

(a) The Interested Party shall submit a Tender Programme, presented in a bar chart format, providing for the supply of equipment. The Programme shall show how the Interested Party proposes to supply the and organize and carry out the Work and to achieve its completion within the time limit specified in this RFP.

7. Tender Security (EMD)

7.1 Bidder shall be required to submit the Earnest Money Deposit (EMD), either in the form of Bank guarantee as per format (provided as Annexure) or PAY ORDER or BANK DRAFT (in favour of Delhi Aviation Fuel Facility Private Limited, payable at New Delhi) at our office. 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 ref no.

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 Lakhs INR**

C. Firms registered with National Small Scale Industries (NSIC) / MSME of India are exempted from submission of bid security.

8. Format and Signing of Proposal

8.1 The Proposal shall be typed and signed by a person or persons duly authorized to sign on behalf of the Interested Parties. All pages of the Proposal shall be initialed by the person or persons signing the Proposal. The Proposal shall be submitted in one original and one photocopy.

8.2 The Interested Parties shall place the proposal and other documents as specified in the RFP in separate sealed inner envelopes clearly marking each one as “ORIGINAL–PRICE PROPOSAL”, “ORIGINAL–TECHNICAL PROPOSAL” and “OTHER DOCUMENTS”.

The sealed price proposal, technical proposal and other documents envelopes shall be enclosed in a single sealed outer envelope.

8.3 The inner and outer envelopes shall:

(a) be addressed to the Tender Officer at the address mentioned in Notice of Request for Proposal; and

(b) bear the RFP reference identification:

9. Late Proposal

9.1 Any Proposal received by the Tender Officer after the closure date for submission of Proposal prescribed in Notice of Request for Proposal will be rejected and returned unopened to the Interested Party.

10. Withdrawal and Modification of Proposal

10.1 The Interested Party may withdraw its Proposal provided that written notice of the withdrawal is received by the Tender Officer prior to the closure date for submission of the Proposal.

10.2 Following withdrawal of a Proposal, the Interested Party may submit another Proposal prior to the closure date for submission of Proposal in accordance with these Instructions to the Interested Parties.

10.3 No Proposal may be modified by the Interested Party after the closure date for submission of Proposal, except in accordance with Clause 14.2.

11. Process to be Confidential

11.1 Information relating to the examination, clarification, evaluation and comparison of the technical proposals, price proposal and recommendations for the award of the Contract shall not be disclosed to

the Interested Party or any other persons not officially concerned with such process.

12. Preliminary Examination of Technical Proposals

12.1 Prior to the detailed evaluation of Proposal, the Tender Officer will examine the Proposal to determine whether they are complete, whether the documents have been properly signed, and valid authorization are included and whether the Proposals are generally in order. Any Proposal found to be non-compliant in any manner will be rejected and not included for further consideration.

13. Evaluation and Comparison of Technical Proposals

13.1 The Tender Officer will carry out an evaluation of the Proposal in order to determine whether the technical aspects are substantially compliant with the requirements set forth in the RFP. In order to reach such a determination, the Tender Officer will examine all the information supplied by the Interested Parties and other requirements in this RFP.

14. Clarification of Technical Proposals and Amendment to the Tender Documents

14.1 To assist in the examination, evaluation and comparison of the Proposal, the Tender Officer may, at its absolute discretion ask any Interested Party for clarification of its Proposal. The request for clarification and the response shall be in writing or by facsimile unless the Tender Officer believes, in its absolute discretion, that a clarification meeting with the Interested Party is required. The Tender Officer shall conduct such clarification meetings with each or any Interested Party as it deems fit.

14.2 In cases where the Employer's Requirements have been changed by DAFFPL after the last date for submission of the Proposal, the Tender Officer will notify all the Interested Parties satisfying the requirement in Clause 12.1 and the Interested Parties will be requested in writing to submit a supplementary technical proposal in conformity with the change in the Employer's Requirements in the Contract and a supplementary price proposal within a specified period. The supplementary price proposal shall only contain the changes in price resulting from the changes in the Employer's Requirements.

The Interested Parties should note that, if the Tender Officer, during the evaluation of the price proposals, considers that the changes in the supplementary price proposal are unrealistic in comparison with the original price proposal, the Proposal is liable to be rejected.

The Interested Parties not wishing to change their technical proposals may withdraw from the tendering process without forfeiting the Tender Security.

14.3 The Interested Party shall seal the original supplementary technical proposal, original supplementary price proposal and one photocopy of the supplementary proposal in separate sealed envelopes clearly marking the respective envelopes as:

"ORIGINAL SUPPLEMENTARY TECHNICAL PROPOSAL";
"ORIGINAL SUPPLEMENTARY PRICE PROPOSAL"
"COPY 1 SUPPLEMENTARY TECHNICAL PROPOSAL", etc., as appropriate.

14.4 Supplementary proposals (technical and price) which are not received in the time specified by the Tender Officer, will result in rejection of the Proposal.

15. Opening of Price Proposals

15.1 The Tender Officer will open the price proposal(s), technical proposal and the supplementary proposal (if provided) of each Interested Party who submitted a substantially compliant with the requirements of this RFP.

16. Process to be Confidential

16.1 Information relating to the examination, clarification, evaluation and comparison of the price proposals, technical proposal and recommendation for the award of the Contract shall not be disclosed to the Interested Party or any other persons, by DAFFPL.

17. Clarification of Proposals

17.1 To assist in the examination, evaluation and comparison of proposals, the Tender Officer may, at its discretion, ask any Interested Party for clarification of its Proposal. The request for clarification and the response shall be in writing or by facsimile.

18. Correction of Errors

18.1 Price proposals determined to be substantially compliant will be checked by the Tender Officer for any arithmetic errors.

Arithmetic errors will be rectified and the total lump sum amount for the supplies will be corrected on the following basis:

(a) If there is a discrepancy between the unit rate and the amount that is obtained by multiplying the unit rate and quantity, the unit rate shall prevail and the amount will be corrected unless in the opinion of the Tender Officer there is an obvious misplacement of the decimal point in the unit rate, in which case the amount as quoted will govern and the unit rate corrected.

(b) If there is a discrepancy between the total amount in any schedule in the Price Schedule and the sum of various amounts in that schedule, the sum of various amounts in that schedule shall prevail and the total amount will be corrected.

18.2 The amount stated in the price proposal will be adjusted by the Tender Officer in accordance with the above procedure for the correction of errors and, shall be considered as binding upon the Interested Party.

19. Discussions

19.1 The Tender Officer will evaluate and rank Proposal based upon an evaluation of the technical and price criteria. The Tender Officer will invite for discussions, such Interested Parties who shall have submitted substantially compliant price proposals, in order to arrive at the most advantageous Proposal.

The most advantageous Proposal will be the Proposal which, in the assessment of the Tender Officer represents the best value for money to DAFFPL, taking into account the evaluated price and the technical proposals.

20. Award

20.1 The Tender Officer shall present the results of the evaluation of the technical and price criteria to the Employer and with the consent of the Employer, will award the Contract to the successful Interested Party whose Proposal has been determined to be substantially compliant and who has offered the most advantageous Proposal for carrying out the Work, in accordance with this RFP.

21. Right to Accept any Proposal and to Reject any or all Proposal

21.1 Notwithstanding Clause 20, DAFFPL reserves the right to accept or reject any Proposal and to annul the tendering process and reject all Proposals, at any time prior to the award of the Contract, without thereby incurring any liability to the affected Interested Party(s) or any obligation to inform the affected Interested Party(s) of the grounds for DAFFPL's action.

22. Notification of Award

22.1 The Tender Officer will notify the successful Interested Party, and upon the furnishing by the successful Interested Party of a performance bond in accordance with the Contract, the Tender Officer will promptly notify

the other Interested Parties that their Proposal have been unsuccessful.

23. Signing of the Contract	23.1	Within 7 (Seven) days or any other period notified by the Tender Officer, the successful Interested Party shall sign the Contract with DAFFPL in duplicate and return a copy of the same to DAFFPL.
24. SME Act	24.1	**Please mention whether your organisation is registered under SME Act, 2006. If you do not mention the above, you will be considered as Non-SME**. **Copy of certificate must be submitted.**
25. Tender Fee	25.1	Tender document can be purchased from our office located at Shahabad Mohammadpur at a cost of Rs 5000/- and also can be downloaded from our website www.daffpl.in.

- **A bidder who downloads the document from website must submit a separate DD for an amount of Rs.5000/- along with the EMD document.**
- **Bidders who purchase the document from our office must submit a DD for an amount of Rs.5000/- at the time of purchase.**
- The demand Draft should be drawn in favor of **M/s. Delhi Aviation Fuel Facility Pvt. Ltd.** payable at **New Delhi**

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Attachment 1

FORM OF PROPOSAL

(On the Interested Party's Letterhead)

Date.....

Tender Officer
Mr. Rakesh Arora, CEO
Delhi Aviation Fuel Facility (Private) Limited
Aviation Fuelling Station, Shahbad Mohammadpur,
IGI Airport, New Delhi – 110 061, India
Tel. + 91-11- 25654862 / 58,

Re: Supply of Hydrant Pit Valves, Pit Box, Isolation Valves, Low Point and Valve Chamber Access Cover for Fuel Hydrant System

Dear Sir,

1. Having examined Request for Proposal [and addenda thereto (if any)] issued by Delhi Aviation Fuel Facility (Private) Limited for the above-mentioned work, we have ascertained that they contain no errors or other defects.

2. Other Documents attached to this Form of Proposal are as following:

   a) Letter of Undertaking for Non-Disclosure;
   b) Details of Works similar Works by Interested party
   c) Equipment Deployment Schedule
   d) Method Statement

   We accordingly offer to execute the Works, in conformity with such documents and our enclosed price proposal (including this letter) for the prices completed and set out in price proposal - Bill of Quantities.

2. We undertake:

2.1 to keep this Proposal open for acceptance without unilaterally varying or amending its terms for the period stated in the Request for Proposal.

2.2 that if this Proposal is accepted, we shall provide in such numbers and in such form as may be stipulated in the Agreement such Performance guarantees, undertakings and warranties;

3. We understand that you are not bound to accept the lowest or any Proposal you may receive.

4. This Proposal shall be governed by and construed in all respects according to the applicable laws being in force in India. The courts at Delhi will have exclusive jurisdiction in the matter.

Signature _____
in the capacity of _____
Duly authorised to sign Proposal for and on behalf of

Attachment 2

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, Shahbad Mohammadpur,
IGI Airport, New Delhi – 110 061, India
Tel. + 91-11- 25654862 / 58

Re: Supply of Hydrant Pit Valves, Pit Box, Isolation Valves, Low Point and Valve Chamber Access Cover for Fuel Hydrant System

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

1. "**Confidential Information**" means the RFP 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 (Private) Limited or obtained directly or indirectly from Delhi Aviation Fuel (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 RFP, as being confidential information of Delhi Aviation Fuel (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 (P) Limited to any third party.

   (ii) Reproduce, publish, transmit, translate, modify, compile or otherwise transfer the Confidential Information.

4. In case the Proposal of the undersigned Interested Party is not accepted and immediately upon the acceptance of the Proposal of any of the other Interested Party, the undersigned Interested Party, shall:

   (i) Return all Confidential Information including without limitation, all originals, copies, reproductions and summaries of Confidential Information; and

   (ii) Destroy all copies of Confidential Information in its possession, power or control, which are present on magnetic media, optical disk or other storage device, in a manner that ensures that the Confidential Information is rendered unrecoverable.

5. The undersigned Interested Party shall certify to Delhi Aviation Fuel Facility Private Limited that it has returned or destroyed such Confidential Information to the Delhi Aviation Fuel Facility Private Limited within two (2) days of such a request being made by Delhi Aviation Fuel Facility Private Limited.

Name of Interested Party's **Signature of Authorized Representative**

Attachment 3

	Details of the Project / works / supply executed by the Interested party of similar nature, scale, complexity and time constraints.	
	Project Name:	
	Employer	
	Main Contractor	
	Approximate Value of Works	
	Start Date – Completion Date	
	Brief Description & Indicative Quantities	
	Reference Contact, Name & Phone	

Name of Interested Party's **Signature of Authorized Representative**

Section 2

PRICE SCHEDULE – BILL OF QUANTITIES

Sr. No.	Description	Unit	Qty
1	Hydrant Pit Valves 4" X 4" Class 150 API 1584 latest edition valve equipped with Dual pilot (lanyard and air operated pilot valve) for dead-man control. Stainless steel API pattern 4" adapter with female dust cover and tether per API 1584. Emergency valve (under Hydrant Valve) 6" X 4" (6" side to mate with DN 150 /6 inch NPS RF flange on hydrant pit rise). All fasteners (bolts, nuts & washers) to connect Emergency Valve to Hydrant Pit Valve to be supplied by vendor as part of this line item. 6" x 4" under hydrant shut - off valve (Ball valve), Fire safe (API 607), SS ball, body - Steel, Seat – PTFE. Maximum working pressure - 20.7 bar Hydro test pressure - 28 bar With stone guard and standard accessories.	Nos	**06**
2	Pit Box for Hydrant Pit Valve, Low Point Drain and High Point Vent – "Environmentally Friendly" type in two-piece construction to provide a large ground movement (vertical ± 35 mm, horizontal ± 25 mm) with DN450 (18 inch) dia operational lid opening and positive seal + provision for DN600 (24 inch) opening for maintenance of pit components. Pit cover / lid to be positively restrained from detachment (e.g by bayonet closure, stout teether) against jet blast effect as per JIG requirements and orientation of opening to be flat against apron surface.	Nos	**13**
3	Low Point Drain assembly consisting of Ball Valve DN 40 (1 ½ inch NPS) – 2 Nos assembled back-to-back full bore Carbon steel body and stem and SS ball, flanged ASTM B16.5 raised face. Valve Construction: ANSI B16.34 pressure and leak tested API 598 Fire Safe design to API 607. Stainless Steel tank unit DN 40 (1 ½ Inch NPS) with bleed valve and dust cap. Provision for venting of low point DN 150 (06 inch NPS) riser to be made, but small bore screwed plug is not sufficient due to risk of leakage.	Nos	**01**
4	Vault access covers with complete assembly, Comprising:- Vault Access Cover Assembly with Waterproof aircraft load-rated (upto 900 kN), one hand lift torsion-actuated cast aluminum cover assembly (max. lift weight <12KG) w/ integral lock and security tool, and pit form 600mm deep with 12mm thick pit walls, an aluminum flange, and integral concrete anchors/reinforcement ribs, including: - Hinged grating platform, One-Rung Ladder Extension Handrail Assembly: stainless steel, to provide easier entry/exit from underground chambers, valve vaults, or pits. Safety Post & Chain Assembly: to prevent accidental entry into chambers, valve vaults, or pits when cover is open, including stainless steel stanchion posts, stainless steel safety chains, and quick links. powder coated orange. Ladder Assembly, Fabricated ladder assembly, stainless steel, for connection to one-rung ladder and extension handrail assembly c/w telescopic feet and wall mounts, ladder dimensions to ANSI 14.3, Sections 4.2.1.1, 5.1.1, 5.1.2, and 5.3.2.2, for installation in vault with overall depth of 3000mm. Dabico - DAB 741 or similar dimensional model of reputed make.	Nos	**01**

Note: Also, a separate sheet is to be attached for furnishing the details as below. All are requested to give the technical literature along with technical details.

Approved Makes:

Hydrant Pits	:	Cavotec, Meggitt & Carter
Valve Access Cover	:	Dabico DAB 741 or similar Dimensional model of any reputed make

Under Hydrant Riser Shut - off Ball Valves (6"x4", operated by a removable ratchet)

Sl. No.	Description	As per DAFFPL	As per Vendor
1	Make		
2	Model		
3	Type	Under - hydrant fire safe ball valve	
4	Inlet flange connection	6-inch Class 300	
5	Outlet Flange Connection	4-inch Class 150	
6	Flange To Flange Dimension		
7	Working Temperature		
8	Fire safe certified	Tested to API 607	
9	Maximum safe working pressure	20.7 bar	
10	Hydrostatic Test Pressure	28.5 bar	
	Material Specification		
11	Body	ASTM A216 WCB	
12	Ball	Stainless Steel ASTM A182 316	
13	End Cap	ASTM A216 WCB	
14	Stone Guard	Stainless Steel ASTM A182 316	
15	Joint Gasket	PTFE	
16	Seat	PTFE	
17	Gland Packing	PTFE	
18	Gland Bush	Steel ASTM A216 WCB	
19	Stem	Stainless Steel ASTM A182 304	
20	Antistatic device	Stainless Steel ASTM A182 304	
21	Stem Sealing	PTFE	
22	Flat Gasket		
23	Cap-Head Bolt		
24	Washer (for above)		
25	Hex-Head Screw		
26	Washer (for above)		
27	Nut (for above)		
28	Protective Coatings		

Hydrant Pit Valves

Sl. No.	Description	As per DAFFPL	As per Vendor
1	Make		
2	Model		
3	Type	Lanyard, air operated or dual pilot valve operation available	
4	Designed to	API/IP Specification 1584 Latest Edition	
5	Compatiblity	The Hydrant Pit Valve Adaptor Assembly shall be suitable for mating with a hydrant coupler and shall be designed so that it can be connected or disconnected without spillage of fuel	
		Compatible all hydrant couplers conforming to API and IP recommendations	
6	Working Temperature		
7	Fire safe certified		
8	Maximum safe working pressure	20.7 bar	
9	Hydrostatic Test Pressure	28.5 bar	
10	Air pressure (Pilot valve)		
11	Opening time		
12	Closing time		
13	Overshoot		
14	Pressure drop		
15	Weight		
16	Overall height		
	Material Specification		
17	Body		
18	API Adapter		
19	Pilot Valve		
20	Seals		
21	external corrosion protection		
22	Installation kit, necessary tools		
23	Extension piece to be provided should be of specification API 5L grade B of seamless pipe.	To withstand working pressure of 19.2 bar. The flanges should be of 150 pounds suitable to be provided between the ball valve and the hydrant pit valve	

Section 3

TECHNICAL SPECIFICATIONS

Hydrant Pit Assembly

General
This section of these Employer's Requirements covers the supply of hydrant pits for the below ground enclosure of hydrant pit valves, low point drain assemblies and high point vent assemblies.

The pits shall be suitable for installation in all types of pavement construction and shall protrude a 25 mm above the surrounding pavement level.

Hydrant Pit Body
The pits shall consist of a steel, cast iron, or fibreglass liner, or other material reviewed without objection by the Employer, with a main body having a minimum internal cross section dimension of 510mm and a minimum depth of 760mm. The body shall be provided with four integral concrete anchors and a 40mm threaded drain coupling. The integral top flange shall require no extraneous corrosive material or welding fittings to support the cover assembly.

The bodies shall be of circular or square cross-section. If the body is to be of square cross-section all corners shall have a radius of not less than 50mm to facilitate cleaning. The body shall be of sufficient strength to support the ground loads imparted by aircraft or aircraft handling equipment (Live Load 420 kN/m²) without flexing of the walls.

The internal surface finish of the body shall be smooth and free from surface irregularities.

The body is to be designed to house a hydrant pit valve meeting the requirements of the latest edition of EI 1584 (Four-Inch Hydrant System Components and Arrangements). The hydrant pit valve to be installed within the body shall be set such that the top of the hydrant pit valve is at a depth of 76 to 102 mm below the top of the lid. A minimum clearance of 40mm is required between the underside of the hydrant lid and the top of the hydrant pit valve, providing it does not conflict with the 76 to 102 mm depth requirement. Contractor to consult JIG bulletins to check for latest guidance on this issue.
In addition, the pit shall be suitable to enclose low point drain assemblies and high point vent assemblies.

Hydrant Pit Cover Assembly
The pit cover assembly shall consist of a completely removable two-piece ring and lid. The pit lid shall be fully opening with a maximum weight of 13.5 kg and have a minimum clear opening size of 460mm diameter. The ring and lid shall be type tested to a proof load of 60,000 kg located centrally on the lid and there shall be no permanent distortion of cover or lid when test load is removed. Replaceable waterproof seals shall be provided between the cover assembly and the pit body and the lid and support ring. The Contractor shall submit a test procedure as a part of the Testing Plan which shall include a method statement and proposed duration of test. The Testing Plan shall be reviewed without objection by the Employer prior to utilising the Testing Plan.

The cover shall incorporate the following features:

a. can be lifted by one person wearing working gloves;

b. the cover and rings shall be completely removable and shall prevent water ingress;

c. the cover opening can be set at sufficient orientations to avoid difficulties in connecting the hydrant dispenser inlet hose in order to serve the aircraft types to be fuelled from that hydrant pit (e.g. the cover opening can be set at the 12, 3, 6, 9 o'clock positions);

d. the cover opens to a lay-flat position, lying flat on the apron;

e. if not hinged to the main assembly the cover has a stout tether to prevent it detaching or lifting clear when subject to jet blast or vortices.

Sealing
Pit box for Hydrant Pit Valve, Low Point Drain and High Point Vent - "Environmental" type in two-piece construction to provide a large ground movement (vertical ± 35 mm, horizontal ± 25 mm) with DN250 (10 Inch NPS) dia operational lid opening and positive seal + provision for DN600 (24 inch) opening for maintenance of pit components. Pit cover/lid to be positively restrained from detachment (e.g. by bayonet closure, stout tether) against jet blast effects per JIG requirements and orientation of opening to be flat against apron surface.

The hydrant pit body shall be of the two-piece “Environmental” type meaning that it comprises two (2) concentric members which are free to slide vertically relative to one another such that:

- the outer member is anchored in the pavement and moves as aircraft weight deflects the pavement; and
- the inner member is fixed to the hydrant riser

so that aircraft loads are not transmitted to the Hydrant System. There shall be a renewable seal between the two concentric members. This seal shall be accessible for maintenance from grade level. Alternatively, and less-preferably, the hydrant pits may be one-piece.

The Contractor shall obtain prior approval of the Employer prior to implementation of this type of hydrant pit. In this case a flexible seal of fuel/water resistant material shall be provided between the pit and the riser pipe. This seal shall be replaceable in-situ without removal of the hydrant pit valve. All clamps and fixing plates shall be supplied by the pit manufacturer. The flexible seal shall be designed to allow a variation in installation length of 100mm minimum and 190mm maximum.

Top of pit box will be minimum 25 mm above apron level to prevent entrance of surface water. The slope away from the pit shall approximately be 4.0° or as per civil designer’s recommendation and/or as per Applicable Laws.

Hydrant pit covers shall be flush to the apron to the extent that they stand 25mm above grade level to provide rain water run-off with a smooth and gradual bevel to grade level over a 1.5m square concrete pit surround and that profiling avoids damage from GSE vehicles on the apron area (especially main deck loaders).

Hydrant Pit Valve

General
This section defines the essential outline requirements of the isolating valve/API adapter and the required performance parameters but gives scope for individual manufacturers to produce satisfactory designs complying with the requirements of the Contract, these Employer’s Requirements and Contractor Documents.

Equipment Arrangement
The arrangement of components is intended to ensure safety in operation consistent with equipment simplicity within the hydrant pit.
The components to be installed within the hydrant pit shall be of the same type as the existing hydrant pit valves at the Airport (or improved model) or direct equivalent and shall comprise the following: -

a. a 4-inch API profile self-sealing tank-unit fuelling adaptor in accordance with EI 1584;

b. a manually-operated, slow-opening/slow-closing isolating valve located upstream of the adaptor referenced to in (a) above, which will permit maintenance of the API adaptor or strainer under no-flow conditions without the need to depressurise the hydrant line or to drain-down the system;

c. closure under flow conditions shall be by means of a “dual pilot” valve – meaning a detachable lanyard and a pneumatically-operated control from the hydrant dispenser vehicle; manual re-opening must be a simple operation;

d. a 4-mesh stone guard of robust construction shall be located upstream of the isolating valve - the design shall be such as to require no maintenance or cleaning under normal operating conditions and shall be capable of withstanding a flow rate of 12,000 litres/minute;

e. a separate or integral isolation valve which can be closed to isolate the hydrant pit valve for maintenance / removal.

f. Insulating flanges to isolate the hydrant pit valve from the Cathodic Protection system.

Component Details
4-inch API Standard hydrant pit adapters shall be in accordance with the requirements of the latest edition of EI 1584 (Four-Inch Hydrant System Components and Arrangements). The adapter shall be provided without a grade-selectivity feature and shall ensure complete interchangeability and compatibility with all makes of coupler. The poppet shall be steel.

Isolating hydrant valves shall have a DN100 inlet flange in accordance with ANSI B16.5 and, when fitted with DN100 x DN150 spool adaptor shall be within an overall height range of 405 to 460 mm. The DN150 adaptor flange shall be class 300 raised face in accordance with ANSI B 16.5. The pressure loss requirement stated below shall include the spool adaptor. Valves with a Class 300 flange DN 150 and no adaptor spool may be submitted for approval by the Employer as an alternative.

Valves shall be “dual pilot”, i.e. fitted with an air pilot in addition to the conventional manual lanyard shutdown control.

The hydrant valve shall close to reduce the flowrate evenly and progressively over a period of two to five seconds. At valve closure from 4500 litre/min overshoot shall not exceed 225 litres. Positive closure is required. Adjustment to the closure time shall be possible by means of either external controls or internal pre-set equipment. Closure shall be possible under both flow and no-flow conditions.

Valve opening shall be by manual means and opening to 90% of the rated flow (4050 litres/min.) shall be even and progressive within a period of 5 to 10 seconds (adjustable or non-adjustable).

The maintenance requirements of this valve shall be minimal and the design shall be such that the actuator mechanism and external seals can be serviced/replaced without removal of the isolating valve from the pit or depressurisation of the hydrant line.

The valve assembly shall have the facility for eventual extension to allow for settlement, i.e. adaptor spool. The overall height stated herein shall be maintained inclusive of the adaptor spool.
Pressure loss considerations are based on the recommendations of EI 1584 as applicable to this Employer’s Requirements.

The pressure loss of the Isolating Valve + “Stoneguard” Strainer + Hydrant Pit Valve assembly + API Self-sealing Adaptor shall not exceed 1.35 bar when flowing at 4500 litre/min when using Jet A-1 according to AFQRJOS (Latest Edition) as the test fluid.

Valve Chamber Covers

Covers shall be all primary metal cast aluminium, No. A3 56.2, per US Fed Spec. QQ-A-60F with a T-6 heat treat per Mil. Spec. H-6088F, with no exceptions. The cover shall be torsion actuated one piece and open to 90° with a maximum 15 kg lift and close - with a minimum 22 kg push using torsion actuated mechanism.

Service lettering shall be abrasion/corrosion/chemical resistant, colour coded polyester powder coated.

Covers shall have integral, automatic latch with no above-grade protrusions whether in use or not. Rectangular cover latches shall be interconnected so that activating one unlatches both. Covers shall not pop open when a latch is released.

Covers shall be designed to fail-safe open once lifted beyond the 80° point in the opening arc, and once in the 90° position, remain fully open by gravity.
A hold-open bar shall be provided to automatically lock the cover in the full-open position, and to release with one-hand operation.

Covers shall have high visibility orange panels on the topside and underside for safety.

The cover shall be capable of withstanding aircraft loads.

The covers environmental test reports shall be submitted for review and approval of the Employer.

The test shall be conducted by an independent testing company in the following categories and standards: -

a. The totally submerged cover shall pass less than 100 grams of water per hour following: a) hot (71°C) and cold (40°C) cycling conforming to Mil Std-810 and b) seal contamination (cover seal area and mating flange/frame wall sealing surface packed with sand and soil).

b. Covers shall pass submersion, corrosion and hose down tests equal to NEMA 250 standards for Type 6 exterior enclosures.

QUALITY ASSURANCE

1. Acceptable Manufacturers: as specified in each Section of this division.
2. All equipment and material shall be the latest design, new, un-deteriorated, and the first quality standard product of manufacturers regularly engaged in the production of such equipment and material for a minimum of 15 years.
3. When two or more units of the same class of equipment are required they shall be products of a single manufacturer.
4. Manufacturer shall employ a Quality Management System complying with ISO 9001-2000.

DELIVERY

1. The Hydrant Pit Valve Assemblies shall be shipped packaged in the appropriate container.
2. All equipment shall be properly positioned on the transporting vehicle with regard to handling warnings.

UNLOADING

Unloading will be arranged by DAFFPL at site. Supplier to provide prior information regarding delivery of the material.

STORAGE

1. All Hydrant Pit Valve Assemblies and components shall be stored in a shelter or safe area away from any possible collision damage.
2. Components, if not installed, shall be suitably sealed in their original packaging for long term storage and stored in a clean, dry area.
3. General condition of Hydrant Pit Valve Assemblies shall be inspected at regular intervals.

INSTALLATION
Installation guidelines shall be supplied by manufacturer for all Hydrant Pit Valve Assemblies types applicable to the project.

PERFORMANCE

1. Hydrant Pit Valve Assembly shall be designed to API/IP Specification 1584 Latest Edition. Hydrant pit valve manufacturer shall produce evidence of compliance to the requirements of the specification.
2. The Hydrant Pit Valve Adaptor Assembly shall be suitable for mating with a hydrant coupler and shall be designed so that it can be connected or disconnected without spillage of fuel.
3. Hydrant Pit Valve Assembly should be nominally 301mm (11.84-inches) overall height and have 4- inch ANSI Class 150 inlet flange connection.
4. Opening time to 90% flow should be 5 to 10 seconds.
5. Closing time from 4,500 L/Minute should be 3 to 5 seconds.
6. Overshoot from 1,200 US GPM should be 34.2 US GPM.
7. Pressure drop at 4,500 L/Minute should be 23.5 PSI.
8. Hydrant Pit Valve should be designed for maximum working pressure of 300 PSI.
9. Hydrant Pit Valve Assembly shall be constructed from the following materials:
   a. Body material shall be ductile iron ASTM A536 65-45-12.
   b. API Adapter shall be stainless steel (Grade 410 - hardened to Brinell 345/365).
   c. Pilot valve body shall be aluminium.
   d. Seals shall be Nitrile and Fluorocarbon.
   e. Internal treatment of body shall be electroless nickel plated to MIL-C-26047 (4 to 6mm penetration).
   f. Treatment of poppet and treatment of piston shall be hard anodised.
   g. Cap shall be manufactured from polyurethane compound and secured to pit body by stainless steel wire rope.
   h. External corrosion protection shall be electroless nickel plated to MIL-C-26047 (4 to 6mm penetration).

10. Hydrant Pit Valve Assembly shall be provided with an air operated pilot valve with lanyard override feature.
11. Hydrant valve operation shall be as follows: after the hydrant coupler is connected and locked into position, and after the air line is connected to the quick coupler on the pilot block, fuel flow is started by operating the pneumatic actuator which operates to open the pilot valve. Closing the pneumatic actuator shuts off the air supply and closes the pilot valve which stops fuel flow. In the event of an emergency pulling on the lanyard shall also close the pilot valve and will stop fuel flow. After the hydrant coupler is disconnected the cap shall be replaced.
12. In addition a servicing valve shall be provided to isolate the piston via internal pressure, after which the pilot valve can be removed for maintenance.
13. Hydrant Pit Valve should be suitable for installation in temperature range of - 55 ºC to + 120 ºC.
14. Hydrant Pit Valve should be provided with warranty period of Three (3) Years.

Under Hydrant Riser Shut - off Ball Valve

1. This section covers special equipment for aircraft load rated Fuel Hydrant Pit Assemblies.
2. Extent of Work shall be as follows:
   a. For each of the Fuel Hydrant Pit Assemblies specified and indicated on drawings, furnish an 6 x 4 under hydrant riser shut-off ball valve.

REFERENCES

1. Applicable standards

QUALITY ASSURANCE

1. Acceptable Manufacturers: as specified in each Section of this division.
2. All equipment and material shall be the latest design, new, un-deteriorated, and the first quality standard product of manufacturers regularly engaged in the production of such equipment and material for a minimum of 15 years.

3. When two or more units of the same class of equipment are required they shall be products of a single manufacturer.
4. Manufacturer shall employ a Quality Management System complying with ISO 9001-2000.

DELIVERY

1. The Under Hydrant Riser Shut-Off Ball Valves shall be shipped packaged in the appropriate container, secured to a pallet.

HANDLING

Unloading and transporting instructions shall be supplied by manufacturer prior to shipment.

STORAGE

1. All Valves shall be stored in a shelter or safe area away from any possible collision damage.
2. General condition of Valves shall be inspected at regular intervals.

INSTALLATION

Installation guidelines shall be supplied by manufacturer for all Under Hydrant Riser Shut-Off Ball Valves applicable to the project.

MATERIALS

1. Ball valve shall be operated by a removable ratchet handle and shall be provided with an indicator to show valve open or close position.
2. Inlet Flange Connection: 6-inch Class 300
3. Outlet Flange Connection: 4-inch Class 150
4. Flange to Flange Dimension: 140mm
5. Working Temperature: - 80 ºC to + 210 ºC
6. Fire safe certified to API 607
7. Material Specification:

- Main Body Ductile Iron GGG45 (FCD 450)
- Body End Ductile Iron GGG45 (FCD 450)
- Ball Stainless Steel Grade 316
- Stop Washer Stainless Steel Grade 304
- Stainless Steel Seat Stainless Steel Grade 2348, EN 1.44.04
- PTFE Seat PTFE
- Gland 355 MCD
- Stem Stainless Steel Grade 1957
- Friction Ring Graphite
- Stem Sealing Graphite
- Flat Gasket Graphite
- Cap-Head Bolt Stainless Steel Grade 4-80
- Washer (for above) Stainless Steel Grade 4-80
- Hex-Head Screw Stainless Steel Grade 4-80
- Washer (for above) Stainless Steel Grade 4-80
- Nut (for above) Stainless Steel Grade 4-80

8. Protective Coatings: Electro-Nickel Plating

Section 4

COMMERCIAL TERMS AND CONDITIONS - Indicative

ITEM	DATA
The Contract Sum	Will be arrived on the basis of quantities and at the rates mentioned in the Bill of Quantities agreed between the Parties and shall be inclusive of all taxes, duties and levies
Currency of the Contract	Only Indian Rupees (INR)
Price basis	Prices to be quoted for site delivery basis (DAFFPL Facility – Shahbad Mohammadpur).
Taxes, Duties, Levies etc.	All taxes, duties, levies as may be applicable for the supply shall be included in the Contract Sum and Contractor shall provide the details of the same along with its offer.
Custom duty / Goods & service tax	The Contractor shall furnish original Tax invoices to DAFFPL in the form agreed between the Parties so that DAFFPL can obtain corresponding tax benefit from the Relevant Authorities.
Price escalation	The unit rate quoted in the BOQ shall remain fixed throughout the Term of the Contact and shall not be subject to any escalation on any account whatsoever.
Payment	Purchase Order Sum shall be payable as per following schedule: (i) 80% of the Purchase Order Sum shall be paid by online Transfer within 15 days after DAFFPL certifying the successful delivery and receipt of the Equipments at DAFFPL Fuel Farm and receipt of Performance Bank Guarantee in favor of DAFFPL from a scheduled bank having its branch in Delhi for 10% of the Purchase Order Sum. (iii) Remaining 20% of the Purchase Order Sum shall be paid by online Transfer within 15 days after successful Testing & Commissioning of the Equipments at the Project Site. The Testing & Commissioning of the Equipments is expected to be completed by the end of November 2019.
Advance Payment	10% (Ten percent) of Contract Sum against Bank Guarantee of equal amount. The Bank Guarantee shall be valid until the expiry of 28 (Twenty-eight) days from the date on which the full amount of the Advance Payment shall have been repaid or the Time for Completion for Works, whichever is earlier.
Recovery of Advance Payment	The recovery of Advance amount shall be adjusted in the first bill submitted by the contractor.
Performance Bank Guarantee	Bank Guarantee for an amount equal to 10% (Ten percent) of the Contract Sum, valid till 30 (Thirty) days after the expiry of the Defect Rectification Period.

ITEM	DATA
Return of Performance Bank Guarantee	Performance Bank Guarantee shall be returned after the expiration of the Defects Rectification Period of the Works and upon issuance of the Defects Rectification Certificate by operator.
Approvals and Licenses from Relevant Authorities	Contractor to procure at its own cost and expenses all Approvals and Licenses from the Relevant Authorities as applicable.
The Defects Rectification Period	12 Months from the date of successful testing and commissioning of equipments at the project site
Latent Defects Rectification Period	Not Applicable
Liquidated Damages	1% (One percent) of the Contract Sum per week of delay in whole of the Works up to a maximum of 10% (Ten percent) of the Contract Sum.
Insurance	The Contractor shall, inter alia, be responsible for taking insurances at its own cost
Progress Report	Within 7 days of the receipt of the Purchase Order, Party shall furnish to us an activity chart, showing various activities involved in the manufacture and supply of Equipment including preparation of all design/drawings, procurement of Bought Outs, Testing, Inspection, Packing and Dispatch activities. Party further review this chart regularly (once a month) with us and submit an updated chart bringing out the latest status in every Two weeks
Jurisdiction	Republic Laws of India. Courts of New Delhi shall have the exclusive jurisdiction
Inspection and Testing	(i)Supplier shall submit Design details, Shop Drawings, Installation details & Quality Plan upon receipt of Purchase Order for Purchaser's approval. Only after prior approval, supplier should start their manufacturing process. (ii) Factory Acceptance Test (FAT) to be done at Your Works. Water Penetration Test to be done at FAT. Supplier should inform the purchaser prior 2 weeks before the test to be done. All expenses relating to Factory Acceptance Tests at the place of manufacture shall be borne by the Supplier. All charges relating to Factory Acceptance Tests such as air fare and accommodation for DAFFPL's Representative(s), shall be borne by DAFFPL. (iii) All the necessary Material Test certificate shall be submitted. (iv)The Supplier should send their representative during the Installation of the equipments for a maximum period of seven (07) days.
Dispute Resolution	Any dispute shall in the first instance be attempted to be resolved amicably between the Parties. In the event that the Dispute in question is not resolved amicably then either Party may refer the Dispute to arbitration as per Arbitration and

ITEM	DATA
	Conciliation Act, 1996. Sole arbitrator shall be appointed by DAFFPL. Place of arbitration shall be Delhi.
Employer's Representative	Mr. Rakesh Arora, CEO Delhi Aviation Fuel Facility Private Limited
Contractor's Representative	
Addresses for Notices	In case of Employer: Delhi Aviation Fuel Facility (Private) Limited Aviation Fuelling Station, Shahbad Mohammadpur, IGI Airport, New Delhi – 110 061, India In case of Contractor:

Section 5

PROGRAMME OF WORKS

[Change as appropriate]

ITEM	DATA
Delivery Schedule	06 (Six) weeks from the date of placing the order at least for 04 Hydrant Pits along with Pit Box, 01 Low Point with Pit Box Assembly & Vault Access Cover in complete, the delivery should be made through air carrier/ or by ship depending on the schedule of delivery Rest of material shall be delivered within 04 (Four) weeks from first delivery
Time for Completion	The suppliers should try for early delivery
Milestones	As mentioned in Delivery Schedule
Key Performance Indicators	The materials to reach the site in factory made condition, without any damage in transit.

Section 6

CONTRACTORS OBLIGATIONS – Indicative

ITEM	DATA
Design of Works	Not Applicable
Detailed Design	Not Applicable
Contractor's submissions	(i) Quality Assurance Plan (ii) Environment Management Plan (iii) As-Built Drawings (iv) Operation and Maintenance Manuals
Clearance of Site	Not Applicable
Safety, Heath and Environment (HSE)	Not Applicable
Electricity and Water	Not Applicable
Watch and ward	Not Applicable
Applicable Clearances	Not Applicable
Subcontracting	Not Applicable
Related Works	Not Applicable
Indemnification	Supplier shall indemnify DAFFPL in case of any loss or due to any fault, omission or breach of any law or violation of any obligation during the execution of the Works.
Compliance with OMDA	Not Applicable
Compliance with Labour Laws	Not Applicable
Assignment	No assignment by the Contractor.

Section 7

EMPLOYER'S OBLIGATIONS – Indicative

ITEM	DATA
Land for Temporary facilities	Not Applicable
Water for construction	Not Applicable
Airport permits and any Applicable Clearances, if any	Contractor shall arrange to obtain and maintain, at its own cost, all applicable Airport Permits, Licenses, Entry/ Exit passes for its workmen and equipment, etc. from the Relevant Authorities as is necessary for the performance of the Works. DAFFPL shall however provide reasonable assistance to the Contractor in obtaining such permissions.
Other facilities	Not Applicable