



**DELHI AVIATION FUEL FACILITY PRIVATE LIMITED**

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



**TENDER NO: DAFFPL/MOD/FF/2015-16/10**

**INVITING TENDER FOR  
SUPPLY, INSTALLATION, TESTING and COMMISSIONING OF 33 KV  
ICOG HV SWITCHGEAR PANEL**

**BID DUE DATE & TIME: 1500 Hrs. IST on September 24<sup>th</sup>, 2015**

**OPENING OF TECHNICAL BIDS: 1100 Hrs. IST on September 25<sup>th</sup>, 2015**



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**PRICE BID FORMAT (Attached)**

**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 FIRMS.**

**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 NOTICE

### DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

#### INVITING TENDER FOR

#### SUPPLY, INSTALLATION, TESTING and COMMISSIONING OF 33 KV ICOG HV SWITCHGEAR PANEL AS PER SPECIFICATION AS REQUIRED

**TENDER NO: DAFFPL/MOD/FF/2015-16/10**

**Delhi Aviation Fuel Facility (P) Ltd (DAFFPL)** invites sealed bids under single stage two bid system from eligible bidders for supply, installation, testing and commissioning of 33KV ICOG HV switchgear panel with dismantling & shifting of old panels as per specification as required.

#### **Brief Scope of work:**

We intend to procure 33KV ICOG HV switchgear panel complete as per specification as required. Scope of supply includes Design, Manufacturing/Supply, Testing, Installation, Commissioning, Dismantling and Shifting of old panels for 33KV HV switchgear panel at our DAFFPL office.

Bid Security (EMD):	As mentioned in the Tender document
Date, Time & Venue for Voluntary Pre-bid Meeting:	September 10 <sup>th</sup> , 2015; 14:30 HRS (IST) at DAFFPL, Aviation Fuelling Station, Shahabad Mohammadpur, New Delhi-110061
Bid Due Date, Time & Place of Submission:	Upto 15:00 HRS (IST) on September 24 <sup>th</sup> , 2015 at the office of the Chief Executive Officer, DAFFPL, Aviation Fuelling Station, Shahabad Mohammadpur,

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

#### **Chief Executive Officer**

DAFFPL, New Delhi  
8826120066



# DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

## CHAPTER 1: INTRODUCTION (COVERING NOTE)

TENDER FOR SUPPLY, INSTALLATION, TESTING and COMMISSIONING OF 33 KV ICOG HV SWITCHGEAR PANEL COMPLETE AS PER SPECIFICATION FOR OUR FUEL FACILITY IN SHAHBAD MOHAMADPUR, NEW DELHI, INDIA

We are pleased to invite your most competitive offer for the captioned work in complete accordance with the tender documents attached herewith.

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

We intend to procure 33 KV ICOG HV Switchgear Panel complete as per specification as required.

33 KV ICOG HV Switchgear Panel is required to be supplied as specified in the tender document, specifications / Bill of quantities.

The details of specifications of 33 KV ICOG HV Switchgear Panel required to be procured is enclosed along with this tender document.

**Delhi Aviation Fuel Facility Private Limited (DAFFPL)** invites sealed tenders in prescribed tender form under two-bid system. For viewing details including EMD, BID QUALIFICATION CRITERIA etc. please visit our web site [www.daffpl.in](http://www.daffpl.in) and go to tender section by clicking the link "Tenders". Tender documents are available on our website.

The bid documents can also be collected from our office and the bids are to be submitted in Physical form in the Tender Box kept at the office of the **Delhi Aviation Fuel Facility Private Limited (DAFFPL)** at Shahabad Mohammadpur, New Delhi-110061, India.



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1. The Tender is floated in Two Bid system consisting of Technical Bids (Bid Qualification Criteria - BQC, Technical plus Commercial) and Price Bids.  
  
Part-I : Bid Security / EMD in accordance with tender document.  
Part-II : BQC (Bid qualification criteria), Technical & commercial Bid, duly filled in & along with all supporting as requested to be submitted in Physical form in the Tender Box.  
Part –III : Price Bid.
2. The bidder should be able to manufacture/supply the entire size/type/quantity bidded by them. Bidders cannot bid for part items or part quantity of a lot.
3. Firstly the Technical bid (BQC & Techno commercial bids) shall be opened. The Bids shall be initially scrutinized by a team as per tender requirements of BQC (Bid qualification criteria). Technical cum commercial bids of only those vendors who qualify the BQC will be processed further. The price bids of only techno-commercially qualified bidders will be opened, evaluated and shortlisted for Placement of Purchase Order.
4. Each page of bid documents is to be duly signed & stamped by the bidder before submitting the Tender.
5. The bids submitted should be valid for **four months** from the due date of bid submission for Owners acceptance. Once accepted it will remain firm till completion of contracts/orders.
6. 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.
7. The bidders may be invited for a presentation to DAFFPL during Techno-commercial evaluation before price bid opening.
8. The bidders to provide their bank details/ PAN / Sales Tax /WCT Registration numbers/Service Tax Registration No. / VAT registration No., as applicable for updating vendor master file. You are also requested to keep us informed of any change in address / status of your business / contact details including email address etc.
9. Party can quote with the deviations as referred in Point No.6 above. Please refer query end date / time in tender calendar after which no query posted by bidder shall be considered. However DAFFPL reserves the right to respond the queries



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after cutoff date / time mentioned in tender calendar.

10. Please note that queries related to scope of job, tender specifications, terms & conditions etc., should be submitted by means of letter/E mail to reach the owner's office not later than one week before the meeting .It may not be practicable to answer queries received late, but queries and responses/clarifications will be posted in the form letter, E-mail within one week from the date of Pre Bid Meeting. 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 web site and not through the minutes of the pre bid meeting.
11. 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 unless discussed and agreed by DAFFPL in writing.
12. EMD & Techno Commercial bid shall be opened on **September 25<sup>th</sup>, 2015 at 11:00 Hrs (IST)** in the presence of authorized representative of bidders (Restricted to one [1] person per bidder only) at the office of DAFFPL. Price Bid of only those bidders whose offer is found meeting both PQC & techno-commercially acceptable, shall be opened on a later date as per convenience of DAFFPL after intimation to the qualified bidders.
13. DAFFPL reserves the right to accept any tender in whole or in part or reject any or all tenders without assigning any reason. DAFFPL reserves right to accept any or more tenders in part. Decision of DAFFPL in this regard shall be final and binding on the bidder.

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

Mr M Vishnu Vardhan Project Officer <a href="mailto:Vishnu.vardhan@daffpl.in">Vishnu.vardhan@daffpl.in</a> , <a href="mailto:bksingh@daffpl.in">bksingh@daffpl.in</a> 8826000228	Mr V S Thakur (Consultant) Project Manager <a href="mailto:Virender.Thakur@mottmac.com">Virender.Thakur@mottmac.com</a> 91-120-3992308 9313834546
Mr Manish Kumar Project Coordinator <a href="mailto:consultant@daffpl.in">consultant@daffpl.in</a> 9810640818	



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14. **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.
15. A Pre-bid meeting is scheduled for **10/09/2015 at 14:30 hrs IST** at the office of DAFFPL, New Delhi. All prospective bidders can participate in the same. Any clarification with regard to tender shall be sorted out during the pre-bid meeting.
- The purpose of the pre-bid meeting is to clarify any doubts of the BIDDER on the interpretation of the provisions of tender.
  - Bidder(s) are requested to submit their queries, mentioning form name, clause no. & clause, by a letter / e-mail to our office as per schedule in order to have fruitful discussions during the meeting.
  - All the Bidder(s) are requested to attend the pre-bid meeting to be held at DAFFPL Office as per schedule.
16. **Tender document can be purchased from our office located at Shahabad Mohammadpur at a cost of Rs 1000/- and also can be downloaded from our website [www.daffpl.in](http://www.daffpl.in).**
- A bidder who downloads the document from website has to submit a separate DD for an amount of Rs.1000/- along with the EMD document.**
  - Bidders who purchase the document from our office have to submit a DD for an amount of Rs.1000/- at the time of purchase.**
17. **Earnest Money Deposit (EMD) (also referred to as Bid Security):** Bidder shall be required to submit the Earnest Money Deposit (EMD), either in the form of Bank guarantee as per format (provided as Annexure) or 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 no.
- The bidders not submitting EMD by due time & date shall be rejected & their bids shall not be evaluated further.
  - The EMD amount shall be Twenty Thousand INR**
  - Firms registered with National Small scale Industries (NSIC)/MSME of India are exempted from submission of bid security .Central Public Sector Enterprises of India and Firms registered with Nation Small Scale Industries Corporation (NSIC) of India are exempted from submission of Bid Security. Central Public Sector Enterprises are requested to give a self-declaration on their letter head to this effect. Bidders registered with NSIC of India are also requested to submit self-declaration on their letter head to this effect along with a copy of their Valid Registration certificate, specifying limit of volume and other details which should be submitted.



**18. Site Restriction:** The job has to be done in licensed/unlicensed area which is inside the premises of DAFFPL Fuel Facility. Successful bidder will have to follow all the security norms and procedures for entry and exit to the facility. The job timings will have to change as per the permissions obtained from Operation Dept. All the entry procedures for labors / machinery / raw materials as per the rules of the DAFFPL will have to be followed by the vendor. Contractor shall visit the site and ensure familiarity with the working condition / limitation 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 have to work under restricted conditions. The normal working hours of plants 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 tenderer must visit the site of the tender and familiarize himself with location, operating / working conditions as well as any other local factors which could influence the working before quoting for the job. His quote should take care of any such restrictions; conditions etc and any claim afterwards will not be entertained. **It is suggested that the Tenderer must visit the site in order to have a better idea of site conditions and factors**

**19. Safety:** The contractor and his personnel have to obey all rules and regulations of the plant. Trained and experienced supervisor/ engineer are required to be present at the work spot always. All tools, tackles, lifting appliances, material handling equipment, scaffolds, cradles, cages, safety nets, ladders, equipment, etc used by the contractor shall be of safe design and construction. These shall be tested for fitness before putting them to use and from time to time as instructed by authorized DAFFPL official who shall have the right to ban the use of any item found to be unsafe. All electrical equipment, connections and wiring shall conform to the requirements of Indian Electricity Act and Rules. All electrical appliances including portable electric tools used by the contractor shall have safe plugging system to source of power and be earthed

The contractor shall adopt all fire safety measures as per relevant Indian Standards

The work is required to be done in a working/operating location, the party has to get necessary Hot/cold/height work permits from the concerned officer in plant as





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per OISD standards and all workmen should be provided with necessary safety helmet, safety belts, safety shoes and other standard safety equipment's. Any delay on account of non-adherence to safety norms, rules and regulations of plant as well as obtaining work permits from the plant shall not be accounted for the delay in completion of job.

The contractor shall be held responsible for any violation of statutory regulations (local, state or central) and DAFFPL instructions that may endanger safety of men, equipment, material and environment. Cost of damage, if any, to life and property arising out of such violation of statutory regulations and DAFFPL instructions shall be borne by the contractor.

20. **Completion Time:** Time is the essence of the contract. The time period of contract is **03 (Three) months** from the date of Letter of Intent including monsoon period. **The time includes necessary time required for mobilizations and demobilizations after the execution of work and includes monsoon period.** Successful bidder is required to provide a bar chart /schedule showing the activities/events with time along with the Technical bid to be scheduled accordingly. Also the shutdown jobs may get delayed due to operational requirement. Any extra claims on account of the same will not be entertained.
21. **Receipt & storage of material at Site:** Contractor is required to make his own arrangement for unloading and storage of materials at site. Contractor is required to inform us prior to dispatch of materials and his representative required to be available for receipt and unloading of materials at site.
22. The successful vendor has to arrange and submit to fuel facility the proper **POLICE VERIFICATION DOCUMENTS** of all the labors, site in charges, supervisors, welders, grinders and all associated workmen who will be coming inside the terminal for carrying out related jobs.
23. All the debris, scrap, cut pieces, etc coming out of fabricated plates, excavated earth, area cleaning will have to be shifted by the vendor to a location inside or outside the terminal premises as per the instruction of DAFFPL site in-charge and no extra payment will be done for the same.



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THE FORMS /ATTACHMENTS TO THIS TENDER ARE AS UNDER:

1. Covering Note – CHAPTER: 1
2. Instructions To Bidders - CHAPTER: 2
3. Bid-Qualification Criteria - CHAPTER: 3
4. BQC –List of Documents – CHAPTER: 4
5. General Purchase Conditions- CHAPTER: 5
6. Technical Specification Documents - **(Attached separately as Annexure I)**
7. Annexure attached are as follows:
  - Annexure II – DEVIATION SHEET
  - Annexure III – DECLARATION SHEET
  - Annexure IV – FORMAT FOR DRAFT BANK GUARANTEE IN LIEU OF BID SECURITY (EMD)
  - Annexure V - FORMAT DRAFT COMPOSITE BANK GUARANTEE FOR SECURITY DEPOSIT/PERFORMANCE GUARANTEE
  - Annexure VI – FORM OF LETTER OF UNDERTAKING
  - Annexure VII – DECLARATION TO BE SUBMITTED ALONGWITH Technical BID

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

**Chief Executive Officer**  
DAFFPL, New Delhi



## CHAPTER 2: INSTRUCTIONS TO BIDDERS

1. The bidder shall bear all costs associated with the preparation and submission of the bid and Owner will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
2.
  - Vendor is requested to submit their bids taking full notice of all the technical specifications, terms and conditions, forms & attachments to this tender. Bids must be submitted in Physical form only.
  - The authorized Indian representatives of foreign manufacturers submitting their offers shall ensure that the bids are submitted strictly as per the rules. Bids in Foreign Currency will not be accepted. If successful, order will be on Indian representative only. EMD shall also be submitted in Indian currency as per Clause mentioned above.
3. Owner reserves the right to accept / reject any or all bid qualification documents at their sole discretion without assigning any reason whatsoever.
4. Owner is not responsible for any delays from bidder end.
5. Owner reserves the right to make any changes in terms and conditions of purchase before due date of bid submission and to reject any or all bids received incomplete.
6. Undertaking by the bidder:
  - a. I/we hereby undertake that the statements made herein/information given in the bids through Physical Tendering system/annexure/forms referred are true in all respects and that in the event of any such statement or information being found to be incorrect in any particular, the same may be construed to be a misrepresentation entitling DAFFPL to avoid any resultant contract.
  - b. I/we further undertake as and when called upon by DAFFPL to produce, for its inspection, original(s) of the document(s) of which copies have been annexed hereto.
7. Owner, at its discretion reserves the right to verify information submitted by the bidders.
8. Bidder to submit documents/information to satisfy the bid qualification criteria. Bidders should also be in a position to produce further information as and when required by DAFFPL with in a time limit of 15 days.
9. DAFFPL reserves their right to negotiate the quoted prices with lowest bidder.



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10. Bidders would be qualified based on data and documents submitted by them.
11. Owner's decision on any matter regarding short listing of vendors shall be final and no corresponding in this regards will be entertained.
12. The vendors who are on IOCL/BPCL/DIAL holiday list or delisted will not be considered.
13. 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.
14. Bidders in their own interest shall ensure that they submit their bid, complete in all respects, well within the specified bid due date and time. No relaxation shall be given for delay due to any unforeseen event in submission of bid.
15. At any time prior to the bid due date, we may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bid document. The amendment will be notified through our portal [www.daffpl.in](http://www.daffpl.in) to all prospective bidders and will be binding on them. In order to afford prospective bidder, reasonable time in which to take the amendment into account in preparing their bids, we may, at our discretion, extend the bid due date.
16. 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.
17. 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.
18. 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



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than one bid will be rejected. Alternative bids will not be accepted.

19. 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 web site.
20. Bids shall be kept valid for 4 months from the bid due date. A bid valid for a shorter period shall be considered as non-responsive and rejected by the Owner. Notwithstanding above, the Owner may solicit the Bidder consent to an extension of the period of bid validity. The request and the responses thereto shall be made in writing. The EMD (bid security) shall also be accordingly extended.
21. Telex/ Telegraphic/ Telefax / E-mail offers will not be considered and shall be rejected.
22. 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.
23. Bids that do not meet the Bid qualification criteria as specified in the bid document shall be rejected. A bid with incomplete scope of work and/or which does not meet the technical requirements as specified in the bid document, shall be considered as non-responsive and rejected. Conditional bids will be liable for rejection.
24. 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.
25. The bids without requisite EMD and/or not in the prescribed Performa and the time limit will not be considered and bids of such bidder Bidder(s) shall be rejected.
26. PRICE EVALUATION CRITERIA: As award is on overall landed lowest basis, part offers will be rejected. Bidder has to quote for all items in a lot for us to consider them.
27. Prior to the expiration of period of bid validity, the owner will notify the successful bidder in writing or by e-mail, that his bid has been accepted. The Notification of Award will constitute the formation of the Contract. Delivery Period shall be



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counted from the date of notification of award (Letter/Fax/e-mail of Intent).

28. Any efforts by a bidder to influence the owner/ in the owner bid evaluation, bid comparison or contract award decisions may result in the rejection of their bid.
29. **ISSUE OF CONTRACT/ PURCHASE ORDER:** After the successful bidder has been notified that his bid has been accepted, DAFFPL will send to such bidder a detailed contract/purchase order incorporating all the terms and conditions agreed between the parties. Within 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.
30. **Vigil Mechanism:** DAFFPL has developed the Vigil Mechanism to deal with references/ grievances, if any, that is received from bidders who participated / intends to participate in the tender. The details of the same are available on our website [www.daffpl.in](http://www.daffpl.in)
31. **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.
32. **SEALING & MARKING OF BIDS**
- A. Bids shall be submitted separately in **THREE SECTIONS** in sealed envelopes superscribed with the Bid Document number, bid due date and time, item and nature of bid as under:
- **SECTION - I (Envelope No. 1): Bid Security / EMD:**  
Bid security in accordance with tender document.
  - **SECTION - II (Envelope No. 2): Technical Bid:**
    - a. Information and documentary evidence establishing bidder's claim for meeting qualification criteria as stipulated in IFB. This section/envelope should necessarily contain all the required back-up documents for Bid Qualification.
    - b. Technical bid complete with all technical and commercial details, covering letter and un-priced copy of price Schedule with prices substituted with 'QUOTED' or 'NOT QUOTED' or 'NOT APPLICABLE'. **Deviation sheet duly filled with deviations, if any, shall form part of technical bid.**



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- **SECTION - III (Envelope No. 3): Price Bid:**
  - a. PRICE BID WITH FULL PRICE DETAILS. The price bid shall contain prices only in the prescribed price schedule formats, without any technical and commercial details. Technical specifications or commercial terms given in unpriced schedule will only be evaluated and the same will be binding on the Bidder. The bids shall be sealed and kept in a single envelope with marking as Section - III (Price Bid) / Envelope No. 3 : "Original"
  - b. The bidder shall quote the final prices (including taxes, Cess, duties and other levies etc) in the 'PRICE SCHEDULE FORMAT' of bid document ONLY. Prices quoted in any other format shall not be considered for evaluation.
  - c. The Price bid shall be kept in a larger envelope duly sealed and shall bear the name and address of the bidder.
  
- B. The envelopes containing Section -I, Section -II, Section -III of bid shall be enclosed in a larger envelope duly sealed and pasted and shall bear the name and address of the bidder.
- C. Bidder to note that if bid security / EMD (in the Proforma attached with these documents) in original and/or bid document fee (if the bid document is downloaded) is kept in any other envelope and not found in envelope no. 1, the offer of the bidder(s) will be REJECTED during opening.
- D. Bidder to note that prices are to be quoted in the format provided in the price schedule formats provided along with the tender without any conditions. Price bids submitted in any other format and conditional price bids will be liable to be rejected. Price bids received in open condition (not in sealed envelope) or kept in any other Section of the bid (i. e, Section - I or II) will also be liable for rejection.
- E. If the outer envelope is not sealed and not marked as required, then DAFFPL will assume no responsibility for the bid's misplacement or premature opening.
- F. Bidders in their own interest shall ensure that they send their bid complete in all respects well in time to reach the specified office within the specified bid due date and time. No relaxation shall be given for delay due to any unforeseen event in submission of bid.
- G. Central Public Sector Enterprises and Firms registered with NSIC are exempted from submission of Bid Security. Central Public Sector Enterprises are requested to give a self declaration on their letter head to this effect, which should be submitted in a sealed envelope marked as Bid Security.
- H. Bidders registered with NSIC are also requested to submit self declaration on their letter head to this effect along with a copy of their Valid Registration certificate, specifying limit of volume and other details which



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should be submitted in a separate sealed envelope no. 1 marked as Bid security.

- I. Bid Security strictly in the Proforma attached with these documents shall be submitted in Original along with the Bid. Bids received without original bid security, shall not be opened for evaluation.
- J. Tender document complete in all respects must be submitted in the tender box provided at the DAFFPL office before due date and time

### 33. DOCUMENTS COMPRISING THE BIDS

The bid prepared by the Bidder shall comprise the following components:

- I. **ORIGINAL BID SECURITY (Section - I):** Bidders are advised to instruct their banks not to post Bid Security directly to Owner as the same has to accompany with the bid.
- II. **TECHNICAL BID (Section -II):**
  - Documentary evidence establishing Bidder's claim for meeting qualification criteria as stipulated in the Bid Document.
  - Notarized Audited Annual Report of previous three financial years.
  - Documentary evidence establishing Bidder's eligibility to bid and that the offered Goods conform to the Bid Document.
  - Price Schedule (with Price figures blanked) completed in accordance with the requirements specified in the bid document.
  - Agreed Terms & Conditions duly filled-in.
  - Deviation Sheet, if any.
  - Declaration with the bid qualification criteria that bidder has not been banned or delisted by any Government or quasi Government agencies or PSU's.
  - Any other information/details/documents/data required as per Bid Document.
  - Parent Company Guarantee, if applicable
- III. **PRICE BID (Section -III):** Bid Form and Price Schedule (Both given along with tender) duly filled in.

### 34. BID FORM & PRICE SCHEDULE

The bidders shall complete the Bid Form and appropriate Price schedule furnished of Bid Document, indicating the required information for all quoted items.

### 35. FORMAT AND SIGNING OF BID

- a. The Bidder shall prepare required number of copies of the bid, clearly marking each 'Original Bid' and 'Copy of Bid' as appropriate. In the event of any discrepancy between them, the 'Original Bid' shall govern.





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- b. The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to sign on behalf of the bidder on all pages of the bid. Such authorization shall be indicated by written Power of Attorney accompanying the bid. The name and position held by each person signing must be typed or printed below the signature. The person or persons signing the bid shall initial all pages of the bid, except for unamended printed literature.
- c. The complete bid shall be without alterations, interlineations or erasures, except as may be necessary to correct errors made by the Bidder, in which case such corrections shall be rewritten & initialed by the person or persons signing the bid.
- d. All the pages of the price bid shall be signed by the authorized signatory. In case all the pages of the price bid are not signed, the bid shall be rejected.

### **36. OPENING OF BIDS**

Bids will be opened by Owner at DAFFPL Office, New Delhi, in the presence of bidders/bidders authorized representatives available on the opening date and time (duly authorized by a competent person and having the letter of authority).

#### **a. BID SECURITY / EMD (SECTION-I) AND TECHNICAL BID (SECTION-II):**

- I. On the day and time of bid opening, Bid security (Envelope 1) and Technical Bid (Envelope 2) shall be opened in presence of bidders.
- II. The Bidder's representatives, who are present, shall sign a register/attendance sheet evidencing their attendance.
- III. The Bidder(s) names, presence or absence of requisite bid security will be announced at the opening.
- IV. Bidder (s), whose bids are not opened for any reason, including non receipt of original bid security, will not be allowed to be present during bid opening.

#### **b. PRICE BID OPENING (SECTION -III):**

- I. Only those bidders whose bids meet the qualification criteria and are technically/commercially acceptable shall be called for opening of Price bid (Envelope 3) at a later date, informed in advance.
- II. The Bidder's representatives, who are present, shall sign a register/attendance sheet evidencing their attendance.
- III. Bidder(s), whose bids are not opened for any reason, will not be allowed to be present during bid opening.

### **37. EVALUATION OF BIDS**

- a. Qualification of Bidder: The experience details and financial & technical capabilities of the bidder(s) shall be examined to determine whether the bidder(s) meet the Bid Qualification Criteria mentioned in the



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### INVITATION FOR BIDS (IFB).

- b. The Owner will examine the bids to determine whether they are complete, any computational errors have been made, whether the documents have been properly signed and whether the bids are generally in order.
- c. The bids without requisite Bid Security and/or not in the prescribed performa will not be considered and bids of such bidder Bidder(s) shall be rejected.
- d. To assist in the examination, evaluation and comparison of technical bids, the owner/may, at its discretion, ask the Bidder clarifications on the bid. The request for such clarifications and the response thereto shall be in writing.
- e. Prior to the evaluation and comparison of the bid, the owner will determine the substantial responsiveness of each bid to the bidding documents. For the purpose of this Article, a substantially responsive bid is one, which conforms to all the terms and conditions of the bidding document without material deviations or reservations. A material deviation or reservation is one which affects in any substantial way the scope, quality, or performance of the works or which limits in any substantial way, inconsistent with the bidding document, the DAFFPL's rights or Bidder's obligation under the contract and retention of which deviation or reservation would affect unfairly the competitive position of other bidders presenting substantially responsive bids. The owner's determination of bid responsiveness is to be based on the contents of the bid itself without recourse to the extrinsic evidence.
- f. A bid determined as substantially non-responsive 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.
- g. The 33KV ICOG HV Panel shall be supplied from the same Manufacturing company as specified in the Documents submitted by Bidder in Compliance to BQC (Bid Qualification Criterion).

#### Note:

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



## CHAPTER 3: BID-QUALIFICATION CRITERIA:

BQC REQUIREMENT	BIDDER RESPONSE
<b>1. ESTABLISHED MANUFACTURER</b>	
Vendor shall be a regular manufacturer/supplier of the specified equipment/ package. Bidder to give complete details of the manufacturing unit & to submit necessary documents in support of same	
<b>2.ORDER ONLY ON MANUFACTURING COMPANY-</b>	
Authorized Indian representative of foreign manufacturer/supplier is also permitted to quote / participate on behalf of the foreign manufacture. All documents to be submitted should pertain to the foreign manufacture only along with relevant authorization / warranties / guarantees from foreign manufacture. However, if successful, the purchase order will be placed on the Indian representative company only	
<b>3. COMPLIANCE CERTIFICATE</b>	
HV panel testing and inspection shall strictly as per the applicable Codes and Standards. "Vendor" shall provide the compliance certificate.	
<b>4.THREE YEARS PROVEN EXPERIENCE OF SUPPLY</b>	
The vendor should be having minimum <b>3 years</b> proven experience in supply, engineering/construction/fabrication, erection, testing and commissioning of specified equipment/ package. (3 years shall be reckoned prior to the due date of bid submission). Necessary document proofs to be submitted along with the bid.	
<b>5. MINIMUM QUANTITY SUPPLIED IN THE PAST</b>	
Vendor in the last 03 years should have engineered, manufactured, tested, supplied and commissioned at least SIX (06) nos. of identical or similar packages (or higher capacity packages) in terms of capacity, rate, accuracy, relevant parameters etc. Vendor to give documentary evidence (confirmation from the purchaser)	
<b>6. AFTER SALES SUPPORT</b>	
The vendor shall have full-fledged service support set-up in India or have appropriate arrangements for the same with the established local reputed company	



<b>8.FINANCIAL CAPACITY</b>	
The vendor or their group companies should have achieved a minimum average Annual financial turnover as per Audited Balance Sheet and Profit & Loss account, in the last three accounting years, ending March 2015 prior to due date of bid submission, as indicated below: <b>Other than MSME: INR 75 Lakhs</b> <b>For MSME as per CTE Guidelines</b>	
Vendor to submit their Audited Balance Sheets & Profit & Loss accounts for last 3 years, ending 31st march 2015 of the previous financial year prior to the due date of bid submission.	
Group companies are defined as parent company and all their subsidiaries. Subsidiaries are those companies in which the parent company holds 51% or more of the equity share capital.	
<b>9. Positive Net Worth</b>	
Vendor’s Net worth as per latest Audited Balance Sheet should be positive.	

**OTHER INFORMATION OF PQC**

1. Parties who are affiliates of one another can decide which Affiliate will make a bid. Only one affiliate may submit a bid. Two or more affiliates are not permitted to make separate bids directly or indirectly. If 2 or more affiliates submit a bid, then any one or all of them are liable for disqualification. However up to 3 affiliates may make a joint bid as a consortium, and in which case the conditions applicable to a consortium shall apply to them.  
 “Affiliate” of a Party shall mean any company or legal entity which:
  - a. Controls either directly or indirectly a Party, or
  - b. Which is controlled directly or indirectly by a Party; or
  - c. Is directly or indirectly controlled by a company, legal entity or Partnership which directly or indirectly controls a Party. “Control” means actual control or ownership of at least a 50% voting or other controlling interest that gives the power to direct, or cause the direction of, the management and material business decisions of the controlled entity.
  
2. Bids may be submitted by:
  - a. A single person/ entity (called sole bidder);
  - b. A newly formed incorporated joint venture (JV) which has not completed 3 financial years from the date of commencement of business;
  - c. A consortium (including an unincorporated JV) having a maximum of 3 (three) members;
  - d. An Indian arm of a foreign company.



3. Fulfillment of Eligibility criteria and certain additional conditions in respect of each of the above 4 types of bidders are stated below, respectively:
- a. The sole bidder (including an incorporated JV which has completed 3 financial years after date of commencement of business) shall fulfill each eligibility criteria.
  - b. In case the bidder is a newly formed and incorporated joint venture and which has not completed three financial years from the date of commencement of business, then either the said JV shall fulfill each eligibility criteria or any one constituent member/ promoter of such a JV shall fulfill each eligibility criteria. If the bid is received with the proposal that one constituent member/ promoter fulfils each eligibility criteria, then this member/promoter shall be clearly identified and he/it shall assume all obligations under the contract and provide such comfort letter/guarantees as may be required by Owner. The guarantees shall cover inter alia the commitment of the member/ promoter to complete the entire work in all respects and in a timely fashion, being bound by all the obligations under the contract, an undertaking to provide all necessary technical and financial support to the JV to ensure completion of the contract when awarded, an undertaking not to withdraw from the JV till completion of the work, etc.
  - c. In case the bidder(s) is/are a consortium (including an unincorporated JV), then the following conditions shall apply:
    - I. Each member in a consortium may only be a legal entity and not an individual person;
    - II. The Bid shall specifically identify and describe each member of the consortium;
    - III. the consortium member descriptions shall indicate what type of legal entity the member is and its jurisdiction of incorporation (or of establishment as a legal entity other than as a corporation) and provide evidence by a copy of the articles of incorporation (or equivalent documents);
    - IV. One participant member of the consortium shall be identified as the “Prime member” and contracting entity for the consortium;
    - V. This prime member shall be solely responsible for all aspects of the Bid/ Proposal including the execution of all tasks and performance of all consortium obligations;
    - VI. The prime member shall fulfill each eligibility criteria;
    - VII. a commitment shall be given from each of the consortium members in the form of a letter signed by a duly authorized officer clearly identifying the role of the member in the Bid and the member’s commitment to perform all relevant tasks and obligations in support of the
    - VIII. Prime/lead member of the Consortium and a commitment not to withdraw from the consortium;
    - IX. No change shall be permitted in the number, nature or share holding



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- pattern of the Consortium members after pre-qualification, without the prior written permission of the Owner.
- X. No change in project plans, timetables or pricing will be permitted as a consequence of any withdrawal or failure to perform by a consortium member;
  - XI. No consortium member shall hold less than 25% stake in a consortium;
  - XII. Entities which are affiliates of one another are allowed to bid either as a sole bidder or as a consortium only;
  - XIII. Any person or entity can bid either singly or as a member of only one consortium.
- d. In case the bidder is an Indian arm (subsidiary, authorized agent, branch office or affiliate) of a foreign bidder, then the foreign bidder shall have to full fill each eligibility criteria. If such foreign company desires that the contract be entered into with the Indian arm, then a proper back to back continuing (parent company) guarantee shall be provided by the foreign company clearly stating that in case of any failure of any supply or performance of the equipment, machinery, material or plant or completion of the work in all respects and as per the warranties/ guarantees that may have been given, then the foreign company shall assume all obligations under the contract. Towards this purpose, it shall provide such comfort letter/guarantees as may be required by Owner. The guarantees shall cover inter alia the commitment of the foreign company to complete the entire work in all respects and in a timely fashion, being bound by all the obligations under the contract, an undertaking to provide all necessary technical and financial support to the Indian arm or to render the same 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.



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## CHAPTER 4: BQC DOCUMENTS BY VENDORS

LIST OF DOCUMENTS FOR BID-QUALIFICATION OF VENDORS		
1	Copy of approvals from any statutory body or equivalent, if applicable	
2	Details of the Manufacturing Facility	
3	Details of testing facilities available	
4	Certified list giving supply quantity details to meet minimum quantity supplied in the past criteria along with copies of Excise / VAT Invoices / Custom documents and the related purchase orders	
5	Audited Balance Sheets & Profit and Loss accounts for the previous 3 accounting years prior to the due date of bid submission	
6	Bank Guarantee in lieu of EMD / Demand Draft / Pay Order	
7	Declaration documents as per attached Annexure of the Tender	
8	Satisfactory Performance certificates from minimum 3 Installations in India or Abroad	
9	Relevant authorization from foreign Manufacturer for their Indian representative if applicable	
10	Details of the agency / company in India who will be providing maintenance & service support OR declaration to set up Service centre in India on being awarded the order, as applicable	
11	Other Supporting Documents, if any	

Every page of attachments to be duly signed stamped before submitting the Tender.



## CHAPTER 5: GENERAL TERMS & CONDITIONS OF PURCHASE:

1. DAFFPL reserves the right to accept any tender in whole and reject any or all tenders without assigning any reason. DAFFPL also reserves the right to allow public enterprises (Central/State) Price / purchase /contract / service preference as admissible under the Indian Government Policy.
2. 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 33 KV ICOG HV Switchgear Panel and all obligations and responsibilities to be carried out / executed by the Bidder as per terms of tender document. It is clearly understood by the Vendor that it is for the Vendor to ascertain and assess the applicable Acts/ Regulations/ Laws etc., entirely of their own. It is also for the Vendor to ascertain and assess the applicability of taxes, duties, levies etc. In case of any difference of opinion between Vendors proposal and interpretation by any tax/assessing (or similar) authorities, on the rate or terms and conditions related to taxes and duties etc., owners liability shall be strictly as per terms/provisions of the contract based on tender document and Vendors offer.
  - d) No other charges accept those mentioned in the tender document will be payable to vendor.
3. The materials should be properly packed so as to withstand all transit hazards. 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.
4. All shipment shall be under deck unless carriage on deck is unavoidable.
5. Bidder to note that Special Packaging Requirement as in technical specifications of this tender. The materials should be properly packed so as to withstand all transit hazards (both ocean & inland transit).
6. Indian agent Commission will not be paid by the owner.
7. TAXES & DUTIES:
  - a) Bidder(s) quoted prices shall be inclusive of all taxes, duties, cess, levies etc.,





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paid or payable on the raw material/components incorporated or to be incorporated in the offered finished goods.

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

### **8. 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 so deducted before releasing any payment to the Bidder and a TDS (Tax deducted at source) certificate will be furnished to the Bidder.
- c) In case of delay in delivery due to reasons attributable to Bidder, any new or additional taxes or duties levied by Statutory authorities during this period shall be borne by the Bidder.



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### 9. DELIVERY PERIOD:

The items covered in this enquiry are required to be delivered as per Delivery Schedule stipulated below.

a) DELIVERY PERIOD (FOR SUPPLY)

Total Order quantity of 33KV ICOG Panel should be delivered within 03 months from date of notification of award.

b) Delivery Period shall be counted from the date of notification of award (Letter/Fax/e-mail of Intent) up to the Date of receipt of goods at defined locations.

### 10. EMD / BID SECURITY

a) The bidder shall furnish, as part of his bid, a bid security in original for the amount specified in the tender document by way of pay order, bank guarantee on Rs.100/-value non-judicial stamp paper or demand draft.

b) The bid security is required to protect the Owner against the risk of Bidders conduct, which would warrant the security forfeiture.

c) If bid Security / EMD is in the form of bank guarantee, it shall be in the form of irrevocable bank guarantee (in the format attached) issued by any Indian Scheduled Bank (other than Co-operative Bank) will be accepted.

d) Bid Security / EMD shall be issued in favour of M/s Delhi Aviation Fuel Facility (P) Limited, New Delhi. .

e) Unsuccessful bidders bid security without any interest will be discharged/ returned as promptly as possible, but not later than 60 days after the expiry of the period of bid validity prescribed by the Owner.

f) The successful bidder bid security without any interest will be discharged, upon the Bidder accepting the Contract/ Purchase Order and furnishing the Contract performance bank guarantee to DAFFPL.

g) The bid security may be forfeited:

i. If a bidder withdraws his bid during the period of bid validity or

ii. In the case of a successful bidder, if the bidder fails or refuses to:

➤ Accept the Purchase Order in accordance with agreed terms and conditions.

➤ Furnish Contract performance bank guarantee as per bid document/ Purchase Order.

iii. Detection of submission of false / forged documents and fraud.

h) Bid Security / EMD should be in favour of "Delhi Aviation Fuel Facility Private Limited", payable at New Delhi and submitted to the relevant office of DAFFPL as mentioned in covering note of the tender document. Covering letter to bid Security / EMD must indicate the tender number. This is essential to have proper co-relation at a later date. The bid security / EMD shall be strictly in the form provided in the bid document before the due date & time of bid submission.



- i) Central Public Sector Undertaking of Govt. Of India are exempted from furnishing the bid security. Firms registered with NSIC/ MSME are also exempted from furnishing bid security, provided they are registered for the tendered items and up to the monetary limit they intend to quote. Provided further that they submit a copy of the current and valid registration certificate for the quoted item and monetary value along with their bid(s). Owner reserves right to verify the registration certificate provided, with relevant authorities.

### 11. CONTRACT PERFORMANCE BANK GUARANTEE [CPBG]

- a) As a Performance security, the successful Bidder, to whom the work is awarded by, shall be required to furnish within 30 days of notification of award of contract (Letter/ Fax/e-mail of Intent) a Performance Bank Guarantee on RS.100/- VALUE non-judicial stamp paper in favour of the Owner (M/S DAFFPL).
- b) The Bank Guarantee amount shall be equal to TEN PERCENT (10%) of the Total Order Value and it shall guarantee the faithful performance of the Order in accordance with the Terms and conditions specified in the documents and specifications.
- c) CPBG shall be in the form of an irrevocable Bank Guarantee (in the format attached) issued by any Indian Scheduled Bank (other than Co-operative Bank).
- d) The Bank Guarantee shall be valid for the entire period of the Contract, namely, till the end of the guarantee / warranty period. The guarantee amount shall be payable on demand to the Owner.
- e) In case, the Contract Performance Bank Guarantee stated above gets reduced/ deducted for reasons of non-fulfillment of any Contractual obligations upto the completion of guarantee period, the bidder shall immediately take action to increase the value of Bank Guarantee to TEN PERCENT (10%) of the Contract price, to cover his guarantee/warranty obligations.
- f) The Performance Guarantee will be returned to the bidder without any interest at the end of the warranty / guarantee period subject to fulfillment of all contractual obligations by the Bidder. The bank guarantee shall have a claim period of 3 months beyond the contractual guarantee period.
- g) The proceeds of performance security shall be appropriated by the owner as compensation for any loss resulting from vendor's failure to complete his obligations under the contract to the prejudice to any of the rights or remedies the owner may be entitled to as per terms and conditions of contract. The proceeds of this performance security shall also govern the successful performance of goods and services and vendors all obligations during the entire period of contractual warrantee / guarantee.



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### **12. PRICE REDUCTION FOR DELAY IN DELIVERY:**

- a) The delivery period quoted must be realistic & specific. The inability of successful bidder to execute orders in accordance with the agreed delivery schedule will entitle DAFFPL, at its options, to:
- b) Accept delayed delivery at prices reduced by a sum equivalent to half percent (0.5%) of the value of any goods not delivered for every week of delay or part thereof, limited to a maximum of 10% of the total order value. Date of receipt of materials at owners premises shall be considered for calculation of price reduction
- c) The price reduction clause shall become applicable for deliveries made beyond the schedule delivery period of six months.

### **13. INSURANCE**

Supplier 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.

### **14. INSPECTION:**

- a) Material shall be inspected by owner or its representative before dispatch of material from bidder works. Charges other than third party inspection, however, arranging & providing inspection facilities is entirely vendor responsibility and in no way should affect the delivery schedule.
- b) OWNER may, at its own expense, witness any test or inspection. In order to enable OWNER to witness the tests/inspections OWNER will advise the bidder in advance whether it intends to be present at any of the inspections.
- c) Even if the inspection and tests are fully carried out, the Vendor shall not be absolved from its responsibilities to ensure that the Material(s), raw materials, components and other inputs are supplied strictly to conform and comply with all the requirements of the Contract at all stages, whether during manufacture and fabrication, or at the time of Delivery as on arrival at site and after its erection or start up or consumption, 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.

## 15. PAYMENT TERMS

- a) Bidders to note that Advance Payment is not permissible in the contract.
- b) Payment will be released within 30 days from the receipt of invoice.
- c) The following payment terms shall be applicable :
  - 80% payment will be released after supply and acceptance of materials at site adjusting deductible if any
  - 20% after completion of Installation, Testing, Commissioning, dismantling & shifting of old panels along with necessary documents.

## 16. GUARANTEE/WARRANTY:

- a) Materials shall be guaranteed against manufacturing defects, materials, workmanship and design for a period of 12 months from the date of commissioning or 24 months from the date of dispatch whichever is later. Warranty for replacement of material / accessories should be provided free of charges at our premises. The above guarantee/warranty will be without prejudice to the certificate of inspection or material receipt note issued by us in respect of the materials.
- b) All the materials including components and sub contracted items should be guaranteed by the vendor within the warranty period mentioned above. In the event of any defect in the material, the vendor will replace / repair the material at DAFFPL concerned location at vendor risk and cost on due notice.
- c) Alternatively, DAFFPL reserves the right to have the material repaired / replaced at the locations concerned, at the vendors risk, cost and responsibility, in case, vendor does not replace / repair the material.
- d) The Vendor shall provide similar warrantee on the parts, components, fittings, accessories etc. so repaired and / or replaced.
- e) Vendor shall guarantee that the performance of the EQUIPMENT supplied under the CONTRACT shall be strictly in conformity with the specifications and shall perform the duties specified under the CONTRACT.
- f) RISK PURCHASE CLAUSE: We reserve the right to curtail or cancel the order either in full or part thereof if bidder fails to comply with delivery schedule and other terms & conditions of the order. DAFFPL also reserves the right to procure same or similar materials/equipment through other sources at vendor's entire risk, cost and consequences.

17. TEST & PERFORMANCE CERTIFICATES: Bidder shall furnish Material test and Performance Certificates for the materials along with the challans and invoice.

18. Only in the event of causes of Force Majeure occurring within the contractual delivery period and if they impede the performance of contract, the delivery dates shall be extended on receipt of application from the bidder / Owner without imposition of penalty. Only those causes which depend on natural calamities, civil



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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.

19. The Vendor must advise the Owner by a registered letter duly certified by Local Chamber of Commerce or statutory authorities and Owner must advise the Vendor by a letter, the beginning and the end of the delay immediately, but in no case later than within 10 days of the beginning and end of such causes of Force Majeure condition as defined above. Provided further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for period exceeding 60 days either party may at its option terminate the contract.
20. Repeat Order: DAFFPL reserves the right to place repeat order up to the order quantity within SIX MONTHS from the date of original order on mutual agreement basis.
21. 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.
22. Rejected material lying in Owner premises must be replaced within 60 days from date of final report on rejection of material.
23. 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.
24. 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.



25. **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.
26. **COMPLIANCE OF REGULATIONS:** Vendor warrants that all goods/Materials covered by this order have been produced, sold, dispatched, delivered and furnished in strict compliance with all applicable laws, regulations, labour agreement, working condition and technical codes and statutory requirements as applicable from time to time. The vendor shall ensure compliance with the above and shall indemnify owner against any actions, damages, costs and expenses of any failure to comply as aforesaid.
27. **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. The owner 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 owner for such disposal shall be to the account of the vendor. The freight paid by the owner, if any, on the inward journey of the rejected materials shall be reimbursed by the vendor to the owner before the rejected materials are removed by the vendor. The vendor will have to proceed with the replacement of the equipment or part of equipment without claiming any extra payment if so required by the owner. The time taken for replacement in such event will not be added to the contractual delivery period.
28. **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



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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.

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

30. **CANCELLATION:**

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

31. **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





## DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

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 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.

32. **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.
33. **GOVERNING LAW:** These General Purchase Conditions shall be governed by the Laws of India.
34. **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.
35. The following expressions used in these terms and conditions and in the purchase order shall have the meaning indicated against each of these:
  - a) **OWNER,** Client, Purchaser, buyer : means DAFFPL
  - b) **VENDOR,** tenderer, Bidder, Contractor, Seller, Supplier, manufacturer stated anywhere in the tender document carry the same meaning: It means the person, firm or the Company / Corporation to bidding and shall include its successors and assigns.
  - c) **INSPECTOR/ TPIA:** Person/agency deputed by Owner for carrying out inspection, checking/testing of items ordered and for certifying the items conforming to the purchase order specifications..
  - d) **GOODS / MATERIALS:** means any of the articles, materials, machinery, equipments, supplies, drawing, data and other property and all services including but not limited to design, delivery, installation, inspection, testing and commissioning specified or required to complete the order.
  - e) **SITE / LOCATION:** means any Site where DAFFPL desires to receive materials anywhere in India as mentioned in tender
  - f) **CONTRACT,** Order or Purchase Order/CALL-OFF means the agreement for supply of goods/ materials for required quantity between Owner and Vendor, for a fixed period of time on mutually agreed terms and conditions.
  - g) The term MR means Material Requisition containing technical requirements and scope of work (technical), GPC means General Purchase Conditions containing commercial terms & conditions, PO means Purchase order issued after award of contract incorporating agreed deviations in MR, ATC means Agreed Terms & Conditions , RFQ means Request For Quotation.
  - h) For the purpose of contract, the trade terms FOB, CFR and CIF, DAP shall have the meanings as assigned to them by INCOTERMS 2010 published by ICC, Paris.



**36. REFERENCE FOR DOCUMENTATION :**

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

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

**37. ARBITRATION**

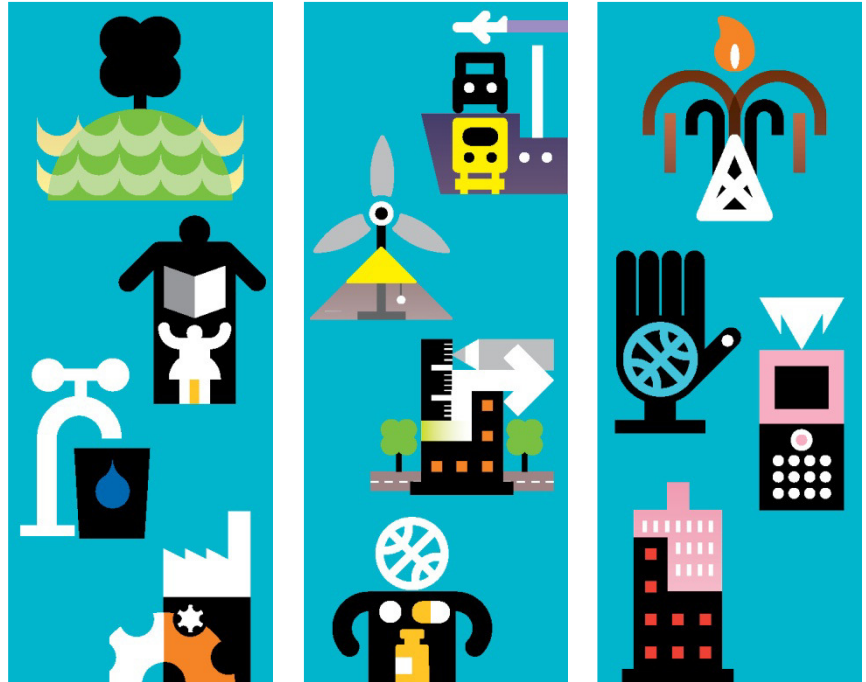
- a) Any 'dispute or difference of any nature whatsoever, any claim, cross-claim, counterclaim or set off of the Owner against the Consultant or regarding any right, liability, act, omission or account of any of the parties hereto arising out of or in relation to this agreement shall be referred to the Sole Arbitration of the nominated Director of the Owner or of some Officer of the Owner who may be nominated by the nominated Director. The consultant will not be entitled to raise any objection to any such arbitrator on the ground that the arbitrator is an officer of the Owner or that he has dealt with the matters to which the contract relates or that in the course of his duties as an Officer of the Owner, he had expressed view on all or any other matters in dispute or difference. In the event of the arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, the nominated Director as aforesaid at the time of such transfer, vacation of office or inability to act may in the discretion of the nominated Director designate another person to act as arbitrator in accordance with the terms of the agreement to the end and intent that the original Arbitrator shall be entitled to continue the arbitration proceedings notwithstanding his transfer or vacation of office as an officer of the Owner if the nominated Director does not designate another person to act as arbitrator on such transfer, vacation of office or inability of original arbitrator. Such person shall be entitled to proceed with the reference from the point at which it was left by his predecessor. It is also a term of this contract that no person other than the nominated Director of the Owner or a person nominated by such nominated Director as aforesaid shall act as arbitrator hereunder. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to the agreement subject to the provisions of the Arbitration & Conciliation Act,1996 or any statutory modification or reenactment thereof and the rules made there under for the time being in force shall apply to the arbitration proceedings under this clause.
- b) The arbitrator shall have power to order and direct either of the parties to abide by, observe and perform all such directions as the arbitrator may think fit having regard to the matters in difference i.e. dispute, before him. The



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arbitrator shall have all summary powers and may take such evidence oral and/or documentary, as the arbitrator in his absolute discretion thinks fit and shall be entitled to exercise all powers under the Indian Arbitration & Conciliation Act 1996 including admission of any affidavit as evidence concerning the matter in difference i.e. dispute before him.

- c) The parties against whom the arbitration proceedings have been initiated, that is to say, the Respondents in the proceeding, shall be entitled to prefer a cross claim, counter claim or set off before the Arbitrator in respect of any matter in issue arising out of or in relation to the Agreement without seeking a formal reference of arbitration to the nominated Director/officer for such counter-claim, or set off and the Arbitrator shall be entitled to consider and deal with the same as if the matters arising therefore has been referred to him originally and deemed to form part of the reference made by the nominated Director/officer.
- d) The arbitrator shall be at liberty to appoint, if necessary any accountant or engineering or other technical person to assist him, and to act by the opinion so taken.
- e) The arbitrator shall have power to make one or more awards whether interim or otherwise in respect of the dispute and difference and in particular will be entitled to make separate awards in respect of claims of cross claims of the parties.
- f) The arbitrator shall be entitled to direct any one of parties to pay the costs to the other party in such manner and to such extent as the arbitrator may in his discretion determine and shall also be entitled to require one or both the parties to deposit funds in such proportion to meet the arbitrators expenses whenever called upon to do so.
- g) The parties hereby agree that the courts in the city of Delhi alone shall have jurisdiction to entertain any application or other proceedings in respect of anything arising under this agreement and any award or awards made by the Sole Arbitration hereunder shall be filed (if so required) in the concerned courts in the city of Delhi only.



# Specification for 33 kV ICOG HV Panel

Modernization of Fuel Farm-IGI Airport,  
Shahbad Mohammadpur, New Delhi

July 2015

Delhi Aviation Fuel Facility Private Limited





# Specification for 33 kV ICOG HV Panel

Modernization of Fuel Farm-IGI Airport,  
Shahbad Mohammadpur, New Delhi

July 2015

Delhi Aviation Fuel Facility Private Limited

Aviation Fuelling Station, Shahbad Mohammadpur, IGI Airport, New Delhi-110061



## Issue and revision record

<b>Revision</b>	<b>Date</b>	<b>Originator</b>	<b>Checker</b>	<b>Approver</b>	<b>Description Standard</b>
00	06.05.15	S.K	TKV	V S Thakur	Issued for Bidding
01	22.07.15	S.K	TKV	V S Thakur	Re-issued for Bidding
02	12.08.15	S.K	TKV	V S Thakur	Client's comments incorporated & Re-issued for Bidding
03	19.08.15	S.K	PPP	V S Thakur	Re-issued for Bidding

This document is issued for the party which commissioned it and for specific purposes connected with the above-captioned project only. It should not be relied upon by any other party or used for any other purpose.

We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

This document contains confidential information and proprietary intellectual property. It should not be shown to other parties without consent from us and from the party which commissioned it.





**Modernization Of Fuel Farm of Delhi Aviation Fuel Facility Pvt. Ltd. IGI Airport, New Delhi**

<b>Specification for 33 kV ICOG HV PANEL</b>	<b>Project No.:</b> 322538
	<b>Reference:</b> Tank Farm Area (ATF)
	<b>No. of Sheets</b>

Job Number	Facility Location Code	Document Number
	Shahbad Mohammadpur, IGI Airport-New Delhi	322538-ETD-01

- Code 1:** Approved and Work may Proceed.
- Code 2:** Revise & Re-submit. Work may Proceed subject to incorporation of comments.
- Code 3:** Revise & Re-Submit. Work should Not Proceed.
- Code 4:** Review Not Required. Work may Proceed.

Approval to proceed shall not be deemed as Acceptance or Clearance of Design, Calculations, Analyses, Test Procedures/Methods, or Selection of Materials by the Contractor. The Contractor shall Not be relieved from full compliance of Contract Requirements and Technical Specifications.

**Dated:** **Delhi Aviation Fuel Facility Pvt. Ltd.**

**Document No.**

03	19.08.15	Re-Issued For Bidding	S.K	TKV	VS Thakur	
02	12.08.15	Client's comments incorporated & Re-Issued For Bidding	S.K	TKV	VS Thakur	

## Specification for 33 kV ICOG HV Panel

Modernization of Fuel Farm-IGI Airport, Shahbad Mohammadpur, New Delhi



01	22.07.15	Re-Issued For Bidding	S.K	TKV	VS Thakur	
00	06.05.15	For Bidding	S.K	TKV	VS Thakur	
<b>Rev</b>	<b>Date</b>	<b>Issued For</b>	<b>Prepared By:</b>	<b>Checked By:</b>	<b>Approved By:</b>	<b>Approved By:</b>
			<b>Mott MacDonald Pvt. Ltd.</b>			

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# 1 Performance Requirements for 33 kV ICOG HV Panel

## 1.1 Scope

Existing Fuelling System i.e. Fuel Farm of Delhi Aviation Fuel Facility Pvt. Ltd. (DAFFPL) for refueling the aircrafts at IGI Airport, New Delhi is slated for modernization and up-gradation so as to conform to International Standards for receipt, storage and dispensing of Jet A1 fuel.

At DAFFPL fuel farm, Jet A1 fuel is brought aboveground/underground pipe from Oil Terminals of IOCL and BPCL and also by road tanker. This fuel is stored in the Cone Roof Vertical Tanks installed in the fuel farm. Presently, the aircrafts are being refueled by hydrant pumps through fuel underground Jet A1 fuel hydrant pipe line.

This document specifies the minimum acceptable requirements set by the Purchaser for design, engineering, procurement, fabrication, assembly, inspection, testing, commissioning and delivery to site of 33kV ICOG HV Panel for its installation within the Fuel Farm of DAFFPL, IGI Airport, New Delhi.

At present, there is an Existing 33 kV HV panel consisting of one incomer and two outgoing VCB feeder panels rated 1250 Amp installed in Electrical Substation. The existing obsolete HV Panel dismantling, transit to store / location as directed by owner shall be kept in safe area is in the scope of bidder prior to installation of new 33kV ICOG HV panel.

## 1.2 Scope of work

This specification covers the requirement for High Voltage (HV) Switchboard Board required distributing power in the plant. The data sheets form part of the specifications

The drawings and specifications complement each other and what is shown or called for in one shall be interpreted as being called for in both. Material(s), if any, which may have been inadvertently omitted but fairly implied as required to make a complete assembly of the switchgear as shown in the drawing and the specification to make the unit properly operational shall be construed as required and covered in the Vendor's scope.

Any deviation from the specification must be stated clearly in the proposal. In the absence of such a statement, it will be considered that the requirements of specification are met without any deviation

## 1.3 Definitions

Purchaser	Delhi Aviation Fuel Facility Limited, (DAFFPL)
Vendor selected	The Company designated on the purchase order form as being the supplier of the goods, materials and services.
"must / shall"	Indicates a mandatory requirement.
"should"	Indicates a preferred course of action.

"may" Indicates one acceptable course of action.

#### **1.4 Compliance**

Compliance by the Vendor with this specification shall not relieve him of his responsibilities to supply the Package to meet the specified requirements of mandatory codes and standards.

Where there is a conflict between the Purchasers supplied documents and the referenced / mandatory specifications, the more onerous shall apply.

The Vendor shall notify the Purchaser in writing, of any proposed deviation from this Specification or associated data sheets. The Purchaser's decision in respect of concession requests will be final.

#### **1.5 Quality Assurance**

It is mandatory that the Vendor shall demonstrate to the entire satisfaction of the Purchaser that his activities within the scope of this document are in accordance with the relevant section of BS EN ISO 9001. The Vendor shall submit to the Purchaser for review and approval, a Quality Plan and procedural specifications prior to commencement of work. The Quality Plan shall define all sub – Vendor's involvement in the work. The review in this Specification shall only indicate a general requirement and shall not relieve the Vendor of his obligations to comply with the requirements of the Contract.

#### **1.6 Safety**

All work shall be performed in accordance with the safety requirements listed in the contract documentation and any mandatory standards and legislation.

## 2 Environmental Conditions

### 2.1 Location

The site is located at Shahbad Mohammadpur adjoining to Indira Gandhi International Airport, New Delhi. The site is approachable by road.

### 2.2 Topography

The whole Site is levelled surface, with a nominal gradual slope.

### 2.3 Environmental Design Parameters

Elevation above M. S. L. : 237 metres. Above Sea level

Metrological data (Based on climatologically data of Delhi)

- |                         |   |
|-------------------------|---|
| a) Ambient temperature  |   |
| (max.)                  | : (+) 48.4°C  |
| (min.)                  | : (-) 2.2°C   |
| b) Relative humidity, % | : Max: 100%; Min 25%  |
| c) Rainfall intensity   | : 20-30mm in one hr intensity in Delhi  |
| d) Design Wind speed    | : 47 m/s  |
| e) Area Classification  | : Non Hazardous – Admin. & Pump House<br>: Hazardous – Tank Farm & Product Pump House |
| f) Earthquake Zone      | : Zone IV (as per IS:1893)  |
| g) Site Access          | : By Road, By Rail, By Air (Nearest Airport – Delhi)                                  |
| h) Unit Installed       | : Indoor  |

### 2.4 Design Temperature

The Maximum Design is considered as 50° C. This is an appropriate margin above the Maximum Operating Temperature of 48.4° C.



## 3 Technical specifications

### 3.1 Applicable industry standards

The design, manufacture and performance of the equipment shall comply with all Indian Standards, I.E. Rules, Statutory Regulations and Safety Codes currently applicable in the locality where the equipment will be installed.

Unless otherwise specified, the equipment shall conform to the latest applicable Indian Standards and, in particular, the following:

Table 2.1 Codes and standards

2.1.1	IS : 3427	A. C. Metal enclosed switchgear and control gear for rated voltages above 1kV & up to & including 52kV
2.1.2	IS : 5578	Guide for marking of insulated conductors
2.1.3	IS : 11353	Guide for Uniform system of marking and identification of Conductors and apparatus terminals
2.1.4	IS : 13118 - 1991	Vacuum Circuit Breaker
2.1.5	IS : 2705 ( Part-1 ) ( 1992 )	Current transformers : General Requirements
2.1.6	IS : 3156 ( Part-1 ) ( 1992 )	Voltage transformers : General Requirements
2.1.7	IS : 3231 ( 1965 )	Specification for Electrical relays for power system protection
2.1.8	IS : 4710	Switches and switch isolators above 1000V but not exceeding 11000V
2.1.9	IS : 1818	Alternating current isolators (Disconnections) and earthing Switches
2.1.10	IS : 9385	High Voltage fuses
2.1.11	IS : 1248 (Part-1) (1993)	Direct acting indicating analogue electrical measuring instruments and their accessories: General requirements.
2.1.12	IS : 694 IS:1554	PVC insulated cables for working voltages up to and including 1100V-FRLS
2.1.13	IS : 2208	HRC Cartridge Fuse links up to 650V
2.1.14	IS : 6875	Control switches & Push buttons
2.1.15	IS : 722	Integrating meters
2.1.16	IS : 2544	Porcelain post insulators for systems with nominal voltage greater than 1000V
2.1.17	IS : 5	Colours for ready mixed paints and enamel
2.1.18	IS : 2147 ( 1962 )	Degrees of protection provided by enclosures for low voltage switchgears & control gear.
2.1.19	IS : 12729 (1988)	General requirements for switchgear & control gear for voltages exceeding 1000 V.

### 3.2 Constructional requirement

- Switchgear shall comprise of indoor, metal enclosed, fully draw out, Vacuum circuit breaker panels as specified in data sheet.
- Switchgear shall be dust, moisture and vermin proof.
- Switchgear shall be suitable for 3 phase, solidly earthed A.C. system. Supply Voltage, rated current and system fault level shall be as per enclosed data sheet.
- All doors, panels, removable covers inter panel couplings shall be gasket all around with neoprene gaskets. All louvers shall have screens and filters.
- Metal enclosed unit shall comprise of rigid welded structural frame enclosed by 2.5mm thick cold rolled metal sheets. Structural framework with foundation/ fixing bolts etc. shall be provided at the bottom to mount switchgear directly on concrete / steel channel base.
- Switchgear shall be fully compartmentalised. Separate segregated compartments of metal partitions shall be provided for breakers, isolators, switch fuses instruments/ relays, buses / CT / PT and cable boxes.
- Cable entry shall be from bottom. Switchgear cubicles shall be provided with 3mm thick, un-drilled, removable cable gland plate, cable glands, cable boxes/pot heads and cable lugs. All material such as compound, tapes, binding wires, clamp etc. are included in the scope of supply.
- Switchgear construction and components shall be such that future extension shall be possible on either side.
- Separate labels shall be provided for switchgear, cubicles, relays, instrument, switch etc. One danger board in the front and back shall also be provided. All components mounted inside the panel shall be with identification nameplate.
- Painting (Confirming to IS: 5, 1994) shall include emulsion cleaning, pickling with dilute acid, washing and rinsing by water, phosphate and oven drying. One (1) coat of epoxy based zinc chromate primer and two (2) coats of epoxy paint of approved shade shall be applied.
- Separate explosion vents shall be provided on top covers for each circuit breaker, isolator, switch fuse, bus bar and cable chamber.
- Suitable fire barriers shall be provided between bus- sections of adjacent panels.
- Name plates shall be of anodised aluminium or approved design. Letter shall be in white colour, rear engraved on black background.
- Inter compartment wiring shall be routed through the PVC/Metallic flexible conduits.
- Switchgear shall be designed for the actual available short circuit MVA's – (Refer Data sheet.)
- All high voltage parts shall be maintenance free.
- Without opening the door of Breaker compartment, draw out unit shall be moved.

## 4 Safety Interlocks and Features

1. It shall be possible to withdraw or engage breaker only in open position.
2. Compartment door / front part of the truck of breaker, isolator, and switch fuse shall not open unless associated breaker or switch is in open position and vice versa.
3. Safety shutters automatically operated by movement of breaker/ switch carriage to cover live parts when carriage is withdrawn or draw in / out shall be provided.
4. It shall not be possible to switch on the breaker when the breaker truck is in any position between test and service position.
5. It shall not be possible to disconnect the low voltage plug and socket connector for control, instrumentation & interlock circuit in any position except test/ isolated position.
6. It shall be possible to move the breaker truck inside the panel only when the LT plug and socket is connected.
7. Safety shutter shall be of metallic/FRP (Flame Retardant) sheets.
8. Switchgears shall be equipped with pressure reducing covers (on top) in each Compartment and shall be equipped with screens.
9. Effective interlocks shall prevent malfunction even when a failure of the power supply occurs.
10. Earth switch should be able to close only when breaker is isolated position.
11. Mechanical castle key interlock shall also be provided.
12. It shall not be possible to switch ON the breaker when the rear door of HT panel is not closed properly or in open position
13. It shall be possible to withdraw or engage breaker (rack IN/OUT) in case of failure of AC/DC supply.

## 5 Main Bus Bars & Supports

1. Main bus bars shall be of uniform cross section of copper or copper alloy conforming to BS 159:1992
2. All bus bar joints or bus tap joints shall be silver faced. Wherever aluminium to copper connections is required suitable bimetallic connectors/ clamps shall be used.
3. Maximum temperature of bus bars and bus connections shall not exceed 85° C.
4. Bus bars shall be air insulated, supported on cast resin insulators of switchgear rated voltage class and phase segregated by means of non-hygroscopic insulating phase barriers.
5. Bus bar shall be heat shrinkable type PVC sleeved of Switchgear voltage grade and shall be colour coded.
6. Short circuit withstand capacity shall be provided as specified in data sheet.
7. They shall also take care of any thermal expansion.
8. Two bolt connections with plain spring washers and locknuts shall be provided for ensuring Good contacts at the joints & taps.
9. Insulator shall have total and protected creep age distance as per voltage class.
10. Insulators shall be spaced at suitable interval to withstand the short circuit forces in the event of fault.
11. Separate insulators for supporting the bus-bars shall be provided for each phases.

## 6 Circuit Breaker

1. Circuit breaker poles shall be operated by a common shaft. Operation counter shall be provided.
2. Circuit breaker with its operating mechanism shall be mounted on a shielded carriage moving on guides designed to align correctly and allow easy movements. Isolating plugs and sockets for power and control circuit shall be robust, fully self-aligning and shall be silver faced. Insulating shrouds of PVC or other insulating materials shall be provided.
3. There shall be 'Service', 'Test' and 'Fully withdrawn' positions for breaker.
4. Vacuum circuit breaker shall consist of air insulated poles incorporating the vacuum interrupters and mechanism housing. The operating mechanism shall be connected to the moving contacts through insulated couplers. The entire construction shall be sturdy and designed to withstand the mechanical and electrical stresses, which may be encountered both during normal operation and short circuit conditions. Suitable arrangement shall be provided to check the contact wear & tear.
5. Operating mechanism shall be non-pumping electrically and mechanically.
6. When breaker is already closed, failure of any auxiliary spring shall not prevent tripping and shall not cause damage to the breaker or endanger the operator.
7. A mechanical OPEN/CLOSE position indicator visible with closed door shall be provided.
8. Mechanical trip and close devices shall be provided. Access to mechanical closing device shall be only after opening the cubicle door / operating the lever.  
Circuit Breaker shall be provided with Motor wound spring charging mechanism, Complete with motor. Spring charging motor shall preferably be a universal motor. Motor shall be used solely for storing energy in the spring - and not for direct closing of the Breaker. Limit Switch shall be provided to cut-off the motor power, when the spring is charged fully, with a contact for spring charged indication lamp on the panel. Also, mechanical indication for spring charged/Discharged shall be provided.  
Breaker shall have facility to charge the spring by the manual spring charging handle. It should be ensured that whilst manual spring charging is in operation, Electrical power to the spring charging motor shall be cut off, automatically.
9. The following accessories shall be provided for individual panel:
  - a. Aux. Switch with 11NO+11NC contacts
  - b. Closing Solenoid
  - c. Tripping Solenoid
  - d. Mechanical Operation Counter
  - e. Spring Charging Handle
  - f. Shunt Release
  - g. Spring Charged / Discharged Indication
  - h. Electrical Local Closing

10. All measuring Control protection units, signal lamps and so on shall be mounted in front of the panels.
11. Mechanical Indication of breaker position while door is closed (like service, test, isolated)
12. Circuit Breaker shall be conforming to IS: 13118 (1991) standard.

## 7 Earthing

1. An earthing bus extending throughout the length of the switchgear shall be provided.
2. Two separate earthing terminals shall be provided in each panel and shall be connected to the earth bus within the panel. The earthing conductor on the primary equipment as well as for external connection to substation earthing grid shall be adequate to carry the rated switchgear short-circuit current of 26.3 kA for 1 second as per IS 3043.
3. All non-current carrying metal parts shall be effectively bonded to the earth bus.
4. In the case of draw out type breaker / switch fuse units withdraw truck shall be connected to the earth when the breaker is in isolated position and shall remain connected to the panel earth till the truck has moved past the isolated position during withdrawal.
5. To facilitate maintenance of bus bar/outgoing cable feeders and connected equipment, earthing trucks shall be supplied with the panel, if specified in the Data sheet.
6. All the Breaker trolley shall have earthing arrangement, such that whilst trolley is racked in-side the panel, it should first get earthed, thereafter the line parts of the Breaker poles comes in contact & vice-versa while removing the trolley from the panel.

## 8 Cubicle Accessories and Wiring

### 8.1 Wiring

Cubicle internal wiring and inter panel wiring shall be carried out with 1.5 mm<sup>2</sup> copper conductor PVC flexible wire for control circuits and with 2.5 mm<sup>2</sup> copper conductor wires for CT circuits. Wiring of AC and DC shall be colour coded and terminated on separate terminal blocks. Ferrules shall be provided on each wire.

### 8.2 The following accessories shall be provided:

1. MCB of suitable rating for auxiliary A.C & D.C supply.
2. Separate 650 V grade terminal blocks of polycarbonate type including 20% spare terminals for AC and DC auxiliary supply for control and instrument wiring.
3. Cubicle space heater along with switch fuse & thermostat control.
4. A Plug & Socket controlled by switch.
5. One set of tools required for operation and maintenance shall be supplied along with switch-gear.
6. Cubicle illuminating lamp CFL/FTL with control switch and door limit switch in the instrument chamber.
7. All spare contact of Relays/Breaker, Aux. contacts etc. shall be wired up to the Terminal Block, such that same can be used as and when required.
8. One set of tools, required for operation & maintenance shall be supplied for switchgear



## 9 Instrument Transformers

1. CT and PT shall conform to the requirements of IS: 2705 and IS: 3156 respectively. The ratings specified are indicative only and it shall be vendor's responsibility to ensure that the ratings are adequate for relays/ meter application considering lead resistance etc.
2. CTs / PTs shall be of cast resin type.
3. CT terminal shorting links shall be provided at terminal blocks.
4. PT shall be provided with adequately rated primary and secondary fuses.
5. PT shall be of draw out type, unless specified. Line PT shall have separate enclosure mounted on rear or front side of the Panel whichever is suitable for compactness of panel or easy maintenance or both.
6. Primary neutral of the PT shall be effectively bonded to earth.

## 10 Instruments

1. Load Manager / Indicating instruments shall be provided for measurements of voltage, amperes, kW, frequency, kWh, maximum demand and power factor as specified in enclosed drawing.  
Multicluster LED type lamp of 22.5 mm. Diameter shall be provided for indication of various parameter of circuit breaker viz. Circuit Breaker "ON", "OFF", Trip, spring charged, R-Y-B Potential indication, Trip coil healthy, etc.
2. Test Terminal Blocks for metering circuit of current Transformer & PT shall be provided.
3. Approved means shall be provided for zero adjustment from front without dismantling the instruments.
4. Fuses and links shall be provided for isolation of individual circuit from bus-wires disturbing the other circuit equipment.
5. Terminal blocks shall be of shorting and disconnecting type.
6. The terminal blocks shall be suitable for receiving 2 Nos. 2.5 mm<sup>2</sup> stranded copper conductor cable.
7. Each wire shall be identified at both ends with wire designation number by plastic ferrules preferably interlock type. A wire termination shall be made with the compression type connectors.

## 11 Relays

1. Relays shall conform to the requirements of IS: 3231 (1965) and shall be suitable for flush mounting with connection from rear. Protective relays shall be in draw out case.
2. Protective relays and timers shall be provided with hand reset contacts and shall be provided with flag to indicate the operation of relays.
3. Bill of materials shall be referred for protection relays.

## 12 Communication Feature

1. As a minimum one independent RS 232, one RS 485 communication ports and one Ethernet communication port that allow for simultaneous operation shall be provided to be used as follows:
  - a) For relay setting, modification, extraction and analysis of faults / events / disturbance records from laptop through RS 232 at the front.
  - b) To interface with remote communication equipment for SCADA.
2. The remote communication protocol of the numerical relays shall be IEC 61850.
3. The relays should generate GOOSE messages as per IEC 61850 standard for interlocking and also ensure interoperability with other relays.
4. Necessary user friendly configuration tool shall be provided to configure the relays, it should be SCL/SCD files generated by other system.
5. Goose signal should be freely configurable for any kind of signal using graphic tools / user friendly software without use of any external software.
6. Suitable arrangement to be provided to monitor the following conditions of 33kV VCB at SCADA Control Centre end :
  - DC healthy
  - Breaker is OFF'
  - Breaker is ON'
  - Spring for closing mechanism is charged
  - Breaker is in Local
  - Breaker is in Remote
  - Trip Circuit healthy
  - Breaker is not anti-pumping
  - Tripping due to O/C
  - Tripping due to E/F

## 13 Miscellaneous Accessories

1. Breaker control switch shall be spring return to neutral type with pistol grip handle, provided with lost motion and sequencing device and lockable in neutral position.
2. Indicating lamps shall be of neon filament type with suitable series resistor and translucent lamp covers and lamps shall be replaceable from front.
3. Push buttons shall be of momentary contact type rated for 10A at 500V AC. The colour of push buttons shall be as follows:

Start	- Green
Stop	- Red
All other	- Black

4. Alarm Annunciators
5. Alarm annunciators shall be provided, if specified in data sheet.
6. Alarm annunciator shall comprise of flush mounted facia units with two lamps and series resistor and ground glass plate in front of inscriptions.
7. Alarm annunciation scheme shall include facia units with relay for each fault, a common alarm bell, 'Accept' / 'Reset' / 'Test' push buttons.
8. The alarm annunciation scheme shall operate as follows:

Condition	Visual	Audible
Normal	Off	Off
On occurrence of fault	Flashing	On
Accept fault	Steady	Off
Reset-fault Cleared	Off	Off
Reset fault not Cleared	Steady	Off
Lamp test	Steady	Off
Annunciation test	Steady	On

## 14 Tests

1. Vendor shall test each cubicle as per relevant standards with all components assembled and fully wired.
2. Routine tests shall be carried out on all components as per relevant standards.
3. Seven (7) copies of test certificate shall be submitted for Owner's approval before despatch of switchgear.
4. Vendor shall also submit 7 - sets of Test certificates of all bought out items supplied along with the panel, viz. Relay, CT, VT, Meters etc.
5. Owner reserves the right to witness the following routine test on switchgear/components mounted in switchgear:-
  - a. Operational Test (Electrical & Mechanical) of Circuit Breaker.
  - b. Primary/Secondary current injection test to check the operation of Meters and relays. Simulating actual operational conditions to check the operation of circuit breaker, indicating lamp, interlocks etc.
  - c. Pick-up & Drop-off voltage test for shunt trip and closing coil.
  - d. Current Transformers Polarity Test
  - e. Voltage Ratio Test for Voltage Transformers.
  - f. Insulation Resistance Test of Power & Control Circuit, before and after High voltage Test.
  - g. High Voltage Test on Power and Control Circuit.
  - h. Earth continuity Test, with low voltage tester.
  - i. Physical dimensional check as per the approved drawing and visual inspection of the switch gear.
  - j. Circuit Breaker contact opening & closing time at rated voltage, at 70 to 110% of rated voltage and also synchronous operation test.
6. Millivolt drop test of circuit breaker.

## 15 Spares

Vendor shall quote item wise prices for recommended spare parts for 2 year maintenance of equipment supplied.

## 16 Inspection

Purchaser or his authorized representatives will carry out inspection including witnessing tests.

1. Vendor shall notify Purchaser or his authorized representatives in writing at least fifteen (15) days prior to scheduled date of inspection.
2. All apparatus, instruments etc. required for test shall be provided by the Sub-Contractor's and shall have been checked and tested for accuracy during the twelve month, prior to the test, bearing tag No. of competent authority.



## 17 Guarantee

Vendor shall Guarantee Design, Materials / Workmanship and Performance of equipment supplied for a period of twelve (12) months from the date of commissioning & handing over the installation to the owner, duly certified by the site in-charge / owners representative for satisfactory operation of the equipment or eighteen (18) months after delivery at job site of all goods to be supplied under order whichever date shall first occur.

## 18 Drawings and Instruction Manuals

1. Vendor shall submit for (4) sets of the following drawings for approval after award of contract.
2. Complete assembly drawing of Switchgear showing plan, elevation, typical section with dimensions and location of terminal blocks for external connections.
3. Schematic diagrams with terminal and ferrule numbers for each module.
4. Wiring diagram for each module indicating terminal blocks and various apparatus.
5. Final list of apparatus for each type, fuse and thermal overload relays.
6. Characteristic curves for circuit breaker releases, relays of each type, fuse and thermal overload relays.
7. Manufacturer's descriptive literature on various components used in switchboard.
8. One print of each drawing will be returned to Vendor after making all necessary corrections, changes and required clarifications. Vendor shall incorporate these and send within fifteen days, seven (7) prints of each drawing marked "Certified for record and use". Manufacture of VCB Panel shall be taken up only after the approval of the drawings.
9. Vendor shall submit seven (7) copies of "Installation & Instruction" manual.
10. Seven (7) copies of type test and routine test certificates shall be submitted for customer's approval before dispatch of switchgear.
11. Vendor shall also submit one (1) set of CDs each to client and MM containing all drawings in CAD REL 14/2004 and data in MS office / WIN 98/ 2000.
12. Vendor shall furnish G.A. Drawing data sheet and catalogues along with bid.

## 19 Make of Switchgear Components

SL. NO.	DESCRIPTION	MAKE
a	VCB Breaker	ABB/Siemens/L&T/CGL
b	Selector Switches	Kaycee / L&T/ Salzer
c	Breaker Control Switch	Siemens/Alstom.
d	Annunciation Panel	Minilec (Microwarn 9000 ) / ISC or eq.
e	Indicating Lamps	Osram/Philips/Crompton Greaves
f	Terminals Blocks	Elmex / Connectwell
g	Meters	Siemens (PAC 3200, 4200) / Conzerve / AE
h	Push Buttons	Teknic/Siemens/L&T
i	Protection Relays	ABB/Siemens
		Numerical types shall also be considered
j	Space Heaters	Reputed make
k	Control Wires	Universal/KEI/CCI/RPG/Polycab.
l	Plug Receptacle	Siemens/Anchor
m	Load Manager-LM	Conzerve/Siemens.
n	Fitting and fixtures	Philips/Wipro
o	Miscellaneous Items	As Per The Specification

## 20 Technical Datasheet

SR. NO.	DESCRIPTION	SPECIFIED	VENDORS DATA
1	GENERAL		
a	Switchgear Designation	M.V. Switchgear Panel	
b	Reference drawings.	322538-EIC-0002-01	
c	Installation	Floor Mounted, Indoor Type	
d	Type	Dust & Vermin Proof	
e	Colour finish Exterior / Interior	Shade # RAL – 7032	
f	Any Special Final Paint Required	Required, Powder Coated	
g	Site Conditions		
i	Ambient temperature	Max.+48.4°C/Min.-2.2°C	
ii	Relative humidity	100%	
iii	Altitude	Less than 1000 mtr above MSL	
iv	Atmosphere	Safe	
h	Cable entry	Bottom	
i	Earth bus material and size	CU- 75 X 10	
2	CUBICLE		
a	Rated Voltage & Frequency	33 kV, 3 Ph, 50 Hz	
b	Power Frequency Withstand	70 kV	
c	1:2 / 50 Microsecond Impulse Voltage Withstand (Peak)	170 kV	
d	Short Circuit Withstand		
i	Short Time	26.3 kA for 1 sec.	
ii	Momentary ( Peak )	-	
e	Busbar Rating	1250 Amps	
f	System Neutral Earthing	Plate earthing	
g	Control Supply Voltage		
i	Operating Mechanism	24VDC or Universal Motor Operated Spring Charged	
ii	Closing Coil	24V DC	
iii	Tripping coil	24V DC	
iv	Indication & Annunciation Circuits	24V DC	
h	Maximum Size Of Transformer To Be Switched	1600/2000KVA	
i	Maximum Size Of Motor To Be Switched	To be specified later	
j	Thickness of Sheet Steel	2.5mm	
k	Base Frame Channels With Bolt	Required	
l	Overall Dimensions Of Each Cubicle (W x D x H) (mm)	Vendor To Furnish	
m	Minimum Clear Draw out Space Required	Vendor To Furnish	
n	Cubicle Weight With Breaker (Kg)	Vendor To Furnish	
o	Dynamic Loading	Vendor To Furnish	
3	ISOLATOR / SWITCHFUSE	Applicable	
a	Type	Vendor To Furnish	

SR. NO.	DESCRIPTION	SPECIFIED	VENDORS DATA
b	Quantity	Vendor To Furnish -	
c	Current Rating Of Isolator Under Site Conditions	Vendor To Furnish -	
d	Fuse Rating	Vendor To Furnish -	
e	Symmetrical Interrupting Current	Vendor To Furnish -	
f	Magnetising Current Of Transformer For Making & Breaking Capacity Of Isolator	Vendor To Furnish -	
4	<b>BUSBARS</b>		
a	Material (Main & Earth bus)	Copper	
b	Main bus size	Copper (Vendor to furnish)	
c	Earth bus size	CU - 75 x 10	
d	Bare/painted/taped/insulating sleeve	Insulating Sleeve	
e	Continuous Current Rating at site conditions	1250 A	
f	Short Circuit Level.	1500 MVA	
g	Voltage Class Of Support	36 kV or more	
5	<b>VOLTAGE TRANSFORMERS</b>		
a	Make	Siemens or Eq.	
b	System Voltage and Frequency	33 kV & 50 Hz	
c	Ratio	33kV / $\sqrt{3}$ / 110V / $\sqrt{3}$	
d	Connections	Star – Star	
e	Rated Output 1 phase	100 VA(Vendor to decide)	
f	Rated Accuracy	CL 1.0	
g	Power Frequency Withstand Voltage	70 kV	
h	Short Circuit Level.	26.3 kA for 1 sec.	
i	HV and LV Fuse Rating	Vendor to furnish	
6	<b>CURRENT TRANSFORMERS</b>		
a	Make	Siemens/Eq.	
b	Type (Bar/Wound/Any-other)	Bar Type	
c	System Voltage and Frequency	33 KV & 50 Hz	
d	Rated Primary Current	Vendor To Furnish	
e	Ratio	As per drg.	
f	Output	As per drg.	
g	Accuracy class	As per drg.	
h	Short Circuit Level.	26.3 kA for 1 sec.	
i	Power Frequency Withstand Voltage	70 kV	
j	1:2 / 50 Microsecond Impulse Withstand Voltage	170 kV	
7	<b>CIRCUIT BREAKER</b>		
a	Manufacturer's Name	Siemens/ABB/L&T/CGL	
b	Type & Quantity	VCB– 1 No.	
c	Rated Voltage and Frequency	33 kV & 50 Hz	
d	Current Rating of Breaker Under Site Conditions	1250A – 1 no.	
e	Rated Symmetrical Interrupted Current	26.3 kA for 1 sec.	
f	Making Current Capacity	Vendor To Furnish	
g	Short Time Current (1 Sec.)	26.3 kA for 1 sec..	

SR. NO.	DESCRIPTION	SPECIFIED	VENDORS DATA
h	Power Frequency Withstand Voltage	70 kV	
i	1:2/50 Microsecond Impulse Withstand Voltage	170 kV	
j	Duty Cycle For Breaking Capacity	Vendor To Furnish	
k	Nos. of Breaks Per Phase	One	
l	Minimum Clearance	To Suit Voltage Design	
i)	Between Poles	Vendor To Furnish	
ii)	In Air Between Live Parts and Earth	Vendor To Furnish	
m	Fixed Trip / Trip Free	Trip Free	
n	Electrical and Mechanical Anti pumping Feature provided.	Yes	
o	Type of Operating Mechanism.	Motor Operated Spring charged.	
8	MISCELLANEOUS		
a	Make Type Range of Indicating and Recording Meters	Vendor To Furnish	
b	Make Type and Setting Ranges of Relays	As per drg.	
c	Make Type and Details of Cable Boxes/ Potheads and Glands	Heat Shrinkable Cable Termination	
d	Battery Capacity and Discharge Rate.	Not Required	
e	Battery Charge Capacity for Float / Boost	-----	
9	EARTHING SWITCH/EARTHING TRUCK		
a	Earthing Switch	Not Required	
b	Earthing Truck	Required	
10	Communication Features	Required	

Note:

1. Vendor to make ensure that the size of the panel shall be accommodate in existing HT panel room (6.6m x 5.0mtr) with necessary clearance.
2. Space Heater With Thermostat Control Shall Be Provided In Each Panel.
3. Breaker Panel Shall Be Suitable For Future Expansion.
4. A minimum space of 500mm shall be available from the panel gland plate to 33 kV cable terminations, to accommodate cable bending radius and HV cable termination.
5. Any Switchgear Components For Which Make Is Not Specified In This Data Sheet, Shall Be As Per Approved Manufacturer List Given Separately Or Vendor Shall Obtain Approval Of Such Items In Writing From Customer / Consultant.
6. Relays Shall Be With 3.0/1.3 Characteristics.
7. The Relays should be suitable for all operation required for SCADA/Remote monitoring and operation under normal and emergency condition and should also comply with the technical specification of the breaker.

8. Horizontal & Vertical Bus bars shall be provided with Heat Shrinkable Type Sleeves & Bus bar Joints Shall Be Shrouded.
9. All "Vendor Data" Shall Be Furnished By Vendor During Enquiry Stage.
10. Provision for connecting panel with DCS/PLC shall be provided for remote monitoring and operation in normal and emergency conditions.

## 21 Bill of Quantities - 33 kV HV Indoor VCB Panel

Cubical shall be totally enclosed type weather, dust and vermin proof, isolator horizontal draw out type Vacuum circuit breaker, 33 kV, 1250 Amps, 50 Hz, 26.3 kA for 1 sec. capacity suitable for indoor installations confirming to IS 2516 / BS 5311 / IEC 56. Totally enclosed, free standing, sheet steel clad, cubical pattern, extendable HV Kiosk, complete with 1250 amps PVC sleeved, Copper bus bar as detailed below:

1 No. 33 KV ICOG HV panel comprising of:

1No. TP Vacuum circuit breaker, horizontal draw out type rated current 1250 A fitted with

1 No. 24V DC shunt trip coil

1 No. 24V DC closing coil

1 No. Spring charging motor suitable for operation on universal motor or 24V DC.

1 No. Mechanical position indicator showing spring charged and spring free.

1 No. Mechanical ON / OFF indicator.

1 no. Surge suppresser unit

1 Set of mechanical trip /closed levers

1 No. Remote / local VCB control switch

1 No. Operation counter.

1 set of compression for control cables.

1 No. Test terminal block

1 No. Anti-pumping contactor / relay.

1 Set auxiliary relay Auxiliary contact 11 N/O + 11 N/C

3 Nos.100/50/1A,CL.1.0, 15VA resin cast type secondary current transformer for metering.  
(Core-I)

3 Nos. 100/50/1A, CL.5P10, 15VA resin cast type secondary current transformer for Protection.  
(Core-II)

1 No. IDMT 3 over Current relay - Make: Areva CDG 31 OR Eq

1 No. Trip circuit supervision relay- Make: Areva VAX 31 OR Eq

1 No. Master Trip relay- Make: Areva VAJH 13 OR Eq.



1 No. Restricted Earth Fault relay- Make: Areva CAG14 OR Eq.

2 Nos. Auxiliary relay for Transformer Alarm & Tripping Make Area VAA33 or Eq.

2 Nos. Under voltage relay - Make: Areva VAG 11 OR Eq.

1 No. Timer for Under voltage relay- Make : Areva VTT11 OR Eq.

1 No. Winding Temperature Relay

1 No. DC Supply failure relay

The relays shall be capable for integration with SCADA/Remote operation.

(Please quote numerical relays alternate to conventional type for protection)

1 Set of 3 phase, resin cast draw out type potential transformer ratio  $33\text{ kV}/\sqrt{3}/110/\sqrt{3}\text{V}$ , class 1 accuracy, 100 VA / Ph burden (suitable), complete with HT & LT fuses and connected to incoming side.

1 No. 3 Ph, 3wire Load manager having the facility of measuring/ monitoring of amps, volt, pf, Hz, kW, kWh, kVA, kVAh and etc., also run hrs., load on/off time and interruption, stored energy record, load shedding facility, (240V AC control supply). These parameters shall be possible to display locally as well as centralised DCS/PLC system by means of communication serial port facility with modbus / profibus protocol. Load manager shall have 2 programmable relay output contacts.

1 No. Trip Neutral Close VCB control switch.

1 No. Ammeter with ammeter selector switch (0 – 100) A

1 No. Voltmeter with voltmeter selector switch 0- 36 KV

1 Set of R, Y, B phase indication lamps.

1 Set of red and green lamps for ON / OFF indication.

1 No. White lamp for trip circuit healthy

1 No. Amber lamp for trip on fault.

1 No. Blue lamp for spring charged indication.

2 Nos. Push button for Trip circuit healthy & Emergency stop.

1 Panel illuminating lamp with door switch.

1 No. Space heater with switch.

1 set hook up wiring for RTCC Panel/Marshalling box.

AC Alarm annunciation scheme as required window comprising of

1 set of relay output to trip the breaker and give alarm bell, hooter

1 Set of silence/accept / reset / test push buttons.

1 complete set of Draw out type earthing truck

1 No. Space heater with switch.

1 set of control & Power wiring

1 Set of AC /DC consists of MCB, indicating lamps and their associated copper bus bar and wiring.

1 set 1250 Amps continuous thermal rated for suitable symmetrical breaking capacity of BUS BARS made of electrolytic copper confirming to IS `987. The joint surface shall be silver plated and connections shall be of high-pressure type so as to prevent a low resistant connection.

1 set cable box suitable min. size of **33kV 1 runs 3 core 300 sq.mm XLPE (E) FRLS Al.** cable for Incomer and 1 **run 3 core 300 sq.mm XLPE (E) FRLS Al.** cable for outgoing.

Following tools are required for operation & maintenance of panel shall be supplied with the breaker.

1 No. Hook for handling pole assembly

1 No. Spanner for removing finger contracts

1 No. Double-ended spanner for dismantling rupturing chamber and upper fixed contact assembly.

1 No. Spanner for removing nut.

1 No. Crank for manual charging of the spring.

Note:

1. Earthing terminals to withstand short circuit current and the same to run throughout the length of panel
2. Control wiring shall be done using 1100 volts suitable size PVC insulated copper FRLS cable.
3. All wiring shall be properly ferruled for easy identification.
4. The contacts shall have ample area and contact pressure to limit temperature rise while carrying the rated full load and short time currents to the specified value. The contacts shall be adjustable to allow for wear and tear and be easily accessible for inspection and replacements. The contacts surfaces shall be silver plated to reduce the contact resistance. Multi-breaker interrupter shall be designed as to ensure more or less uniform voltage multi-breaker.

5. The breaker is required for installation at a site whose altitude is less than 1000 meter above MSL and the maximum ambient air temperature is 45°C ambient.
6. Signal cable from transformer marshalling box to HV Switchgear interfacing shall properly be connected for alarm and tripping scheme.
7. The switchgear panel shall be complete with all other required fittings.
8. The Bidder shall furnish all the test certificates as per ISS - 2516 and A.S.T.A certificate for short circuit capacity for the switchgear offered along with the offer.

## 22 Price Schedule

- 1.0 The Vendor shall quote the total price for design, manufacture, testing at works, packing and delivery at site for 33 kV HV Switchgear Panel as per enclosed specifications, data sheets, drawings, etc.
- 2.0 The Vendor shall quote the price for 33 kV HV Panel exclusive of Sales tax, Excise duty and other taxes, etc., But indicating the % of tax prevailing as on date. Freight charges up to destination and insurance charges shall be quoted separately.
- 3.0 The Vendor shall quote break up prices for various components / feeders / panels for addition / deletion of the same as indicated in the unit price schedule.

Cost of 33 KV HV Switchgear panel .....

Rupees

Taxes

Installation, Testing & Commissioning charges .....

Rupees

Taxes

## 23 Unit Rate Are Required for the Following Materials

Sl. No.	Description	Amount (Rs.)
	33 KV Indoor panel	
1	33 KV indoor panel VCB complete components	
2	Set of CT's	
3	Set of PT's	
4	All Relays in individual	
5	Load Manager	
6	1250 A VCB panel with all components	
7	100/50/1A, CL.1.0/5P10, 15VA set of CT's for metering & protection respectively	
8	33kV/ $\sqrt{3}$ /110/ $\sqrt{3}$ , CL.1.0, 100VA/ph, HV/LT fuse control for Potential transformer	
9	Protection Relays	
	IDMT 3 Over Current relay – CDG 31	
10	Trip circuit supervision relay – VAX 31	
11	Master Trip relay –VAJH 13	
12	Restricted Earth Fault Realy-CAG14	
13	IDMT with Inst. 3 Over Current relay- CDG 61	
14	IDMT-2O/C with Inst. & 1 Earth fault relay- CDAG51	
15	Under voltage relay - VAG 11	
16	Timer – VTT11	
17	Aux. relay- VAA 33	
18	Spare part complete list for 2 years	

**NOTE:** The Rate shall be inclusive of necessary vertical bus bar, connection to individual feeder module along with sheet steel enclosure.

## 24 Drawings and Documents

**LEGEND:**

I = FOR INFORMATION                      R = FOR REVIEW  
 A = FOR APPROVAL                      S = REPRODUCIBLE  
 P = PRINT                                      X = FOR RECORD

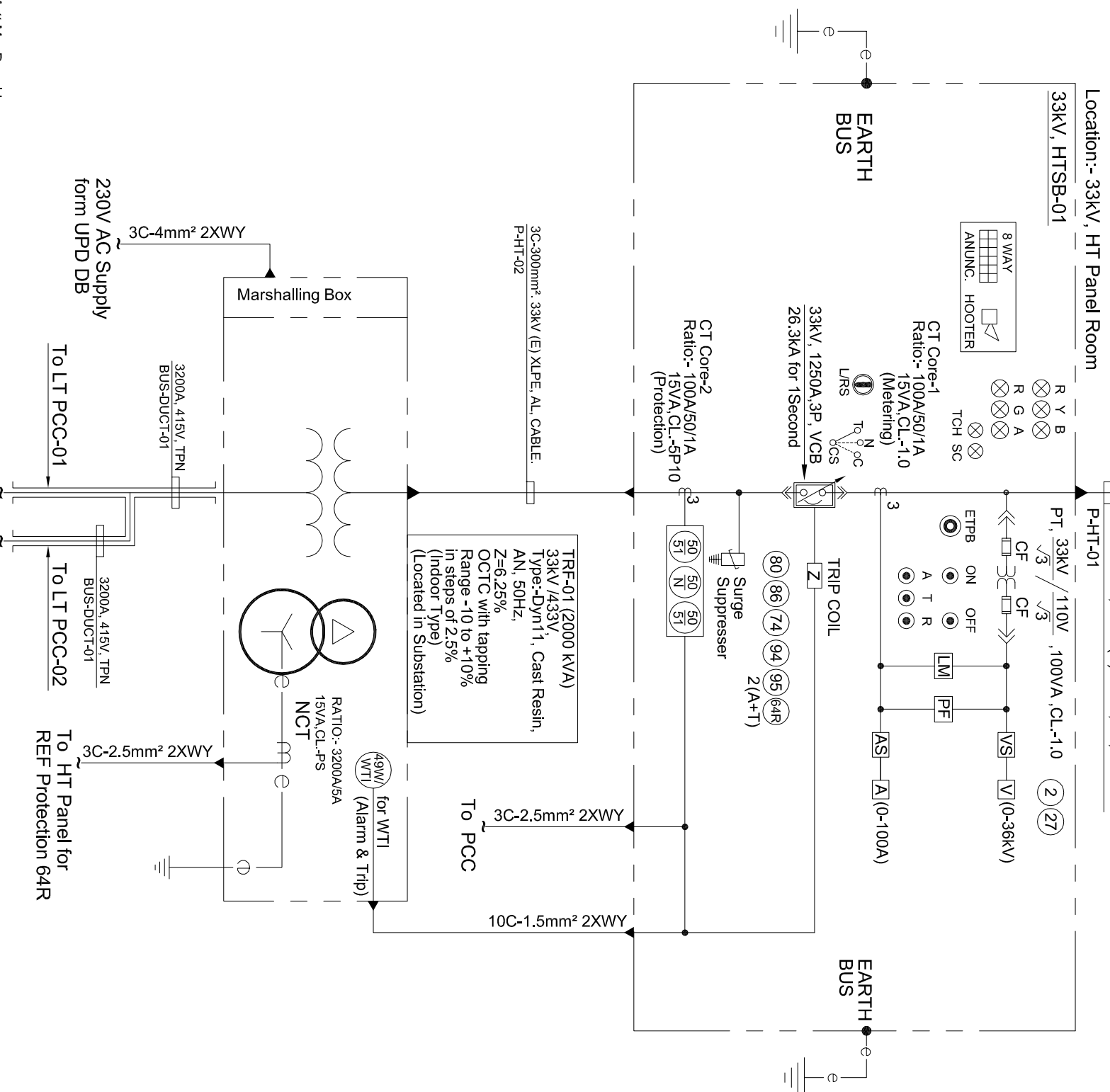
SL No	DESCRIPTION	AFTER AWARD OF CONTRACT		FINAL AND CERTIFIED	
		I/R/A	No. of copies	X	No. of copies
1.0	General Arrangement Drawing of VCB panel indicating front view, rear view and cross sectional view & Foundation plan including anchor bolt details and weight of each panel.	R/A	4P	X	6P +1S
2.0	Guaranteed Technical Particulars	-	-	-	-
3.0	Single Line Diagrams for various types of feeders	R/A	4P	X	6P +1S
4.0	Equipment List for various feeders indicating makes, rating and type of various components.	R/A	4P	X	6P
5.0	Wiring diagram and terminal arrangement drawings	R/A	4P	X	6P+1S
6.0	Erection, Testing Commissioning, Operation and maintenance manual for various equipment's of VCB Panel Manual shall contain technical leaflets of meters & relays also.	-	-	X	6P
7.0	Test certificates	-	-	X	6P

# Specification for 33 kV ICOG HV Panel

Modernization of Fuel Farm-IGI Airport, Shahbad Mohammadpur, New Delhi



**Incoming Supply from BSCS-T2 (STP) to IOSL**



**Notes:-**

- The panel shall be extensible type.
- VCB shall have motor for spring charger of voltage rating 24V DC or universal.
- All The Control Cables of Size 1.5mm<sup>2</sup> & Power Cables up to 6mm<sup>2</sup> Shall be XLPE/SWA/PVC Copper Conductor Type.
- Control supply shall be as below:
  - 24 V DC for HT switchboard operation and control.
  - 240 V AC for HT switchboard feeding UPS.
- All the Panels Should be Provided with Exhaust Fans for Ventilation and Heaters for Anti Condensation.
- Indicating Lamps shall be Led Cluster Type.
- All Indicating Meters shall be of Digital Type with Inbuilt Selector Switch & Features as Indicated.
- The Following min. parameter required in load manager, Voltage, Current, Active/Reactive, Power Factor, Frequency, Max Demand, Harmonic etc shall be Digital Type with RS485 Port Shall be equivalent to model no. L&T (VEGA) series model 'C'.

**Key to Symbols:-**

Symbol	Description	Symbol	Description
	D/O Vacuum Circuit Breaker Type and Rating as Indicated.	(49)	Winding Temperature Relay
	Phase Indicating Lamps, R-Red, Y-Yellow, B-Blue	(27)	Under Voltage Relay
	Supply Indicating Lamps R-Red 'ON', G-Green 'OFF', A-Amber 'Trip'	(64R)	Restricted Earth Fault Relay
	Indicating Lamps, SC (Blue) Spring Charged TCH (White) Trip CKT healthy.	(74)	Trip Circuit Supervision Relay
	ON-Start / OFF-Stop Push Button	(80)	DC Failure Relay
	Current Transformer	(86)	Master Trip Relay
	Indoor Type Potential Transformer (Drawout Type).	(94)	Anti pumping Relay
	HRC Control Fuses	(95)	Auxiliary Relay
	3Way & OFF Volt. Meter Selector Switch		Cable Gland
	Voltmeter- Digital Type		Bus Bar Trunking
	3Way & OFF Ammeter Selector Switch		Surge Suppressor
	Ammeter- Digital Type		Distribution Transformer
	Multi Function Meter		Control Switch T-Trip, N-Neutral, C-Close
	Power Factor Meter		Combined Inverse Time Over Current Relay with High Set Elements and Instantaneous Earth Fault Relay
	Hooter	(2)	Timer
	Earth Pit	NCT	Neutral Current Transformer
	Annunciator Window Number of Ways as Indicated	ETPB	Emergency Trip Push Button
	A T R Acknowledge, Test and Reset Push Buttons		
	Load Manager		
	Air Natural		
	Local / Remote Selector Switch		

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Rev	Date	Drawn	Description	Chk'd	App'd	Title	Drawn	Scale			
A	06.05.15	Sunil	Issued for Construction	T.K.V	V.S.T	Modernization of Existing Fuel Farm Modified Electrical Single Line Diagram 33kV (HTSB-01) Switchboard	Checked	N.T.S			
B	28.07.15	Sunil	Re-issued for Construction	T.K.V	V.S.T		Approved				
C	12.08.15	Sunil	Client's Comments Incorporated & Re-issued for Construction	T.K.V	V.S.T		Security				
Drawing Number 322538-EIC-0002-01							STD	Status	CON	Rev	C

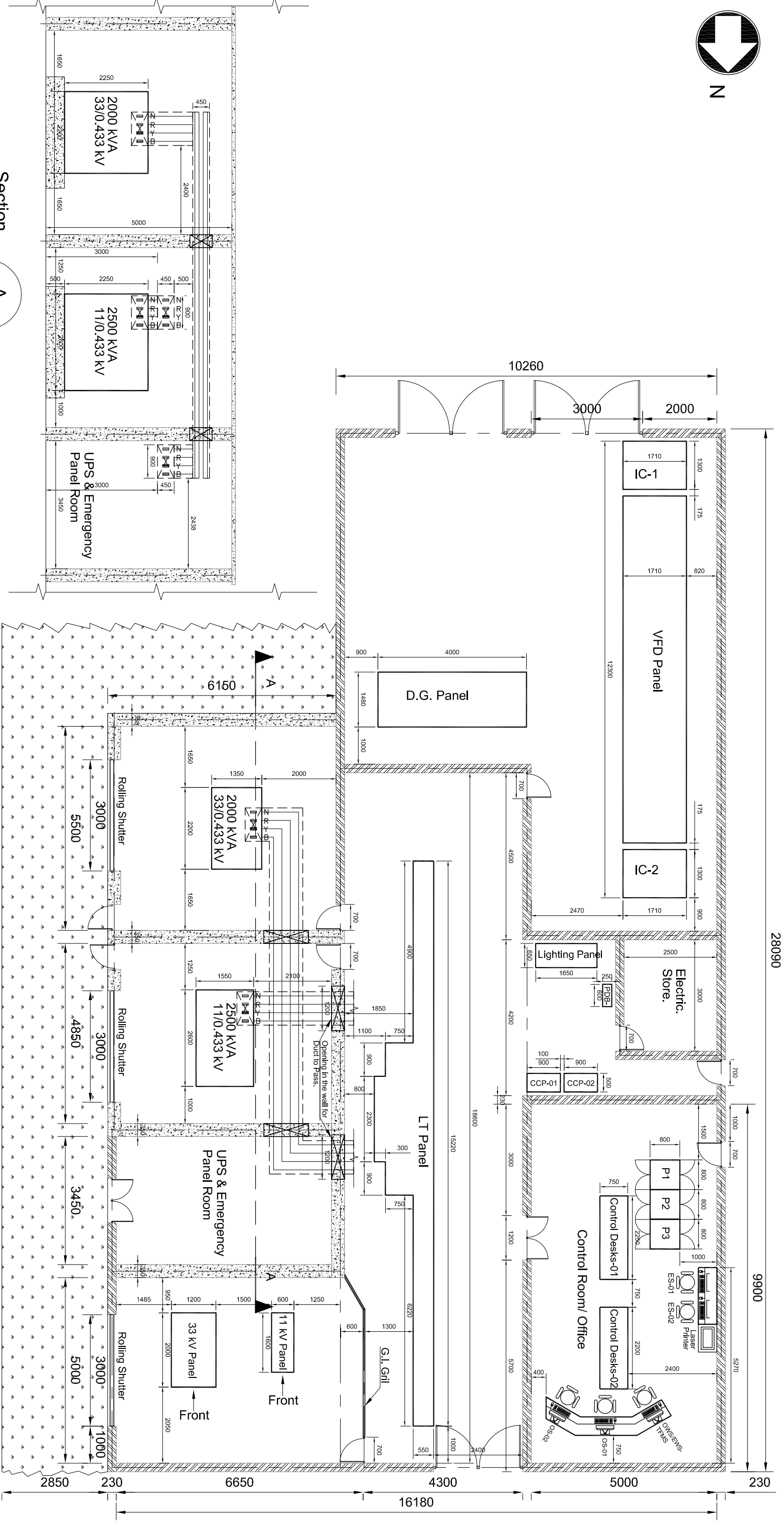
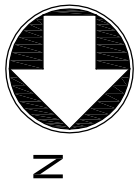


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Client  
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Aviation Fuelling Station  
Shahbad, Muhammad Pur  
IGI Airport, New Delhi - 110061









Section  
1:100  
A

Notes:-  
1. All Dimensions are in Millimeters and Levels are in Meters.

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		<b>Client</b> M/s Delhi Aviation Fuel Facility Pvt. Ltd. Aviation Fuelling Station Shahbad, Muhammad Pur IGI Airport, New Delhi - 110061																								
A20 Sector 2 Noida 201301 India		T +91 (0)12 0254 3582 F +91 120 254 3562 W www.mottmac.com		<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Drawn</th> <th>Description</th> <th>Ch'k'd</th> <th>App'd</th> <th>Title</th> </tr> </thead> <tbody> <tr> <td>P1</td> <td>31.07.15</td> <td>Sunil</td> <td>Issued for Approval</td> <td>T.K.V</td> <td>V.S.T</td> <td>Modernization of Existing Fuel Farm HT &amp; LT Sub Station Proposed Layout Option-02</td> </tr> <tr> <td>P2</td> <td>19.08.15</td> <td>Sunil</td> <td>Issued for Approval</td> <td>T.K.V</td> <td>V.S.T</td> <td></td> </tr> </tbody> </table>		Rev	Date	Drawn	Description	Ch'k'd	App'd	Title	P1	31.07.15	Sunil	Issued for Approval	T.K.V	V.S.T	Modernization of Existing Fuel Farm HT & LT Sub Station Proposed Layout Option-02	P2	19.08.15	Sunil	Issued for Approval	T.K.V	V.S.T	
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Drawing Number <b>322538-ELC-0001-03</b>		Security <b>STD</b>		Status <b>APR</b>		Rev <b>P2</b>																				



# DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

## ANNEXURE II – DEVIATION SHEET

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

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

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

---

Sign & Stamp of Bidder



# DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

## ANNEXURE III – DECLARATION SHEET

Date:

### **DECLARATION**

We, M/s \_\_\_\_\_ hereby, unconditionally accept all terms & conditions of TENDER NO.: DAFFPL/MOD/FF/2015-16/10 (JOB: TENDER FOR SUPPLY, INSTALLATION, TESTING and COMMISSIONING OF 33 KV ICOG HV SWITCHGEAR PANEL) including Scope of job, quantities, completion period, terms & condition without any deviations.

Sign & Stamp of Bidder

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

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Sign & Stamp of Bidder



# DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

## ANNEXURE-IV

### **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 DAFFPL, withdrawn its offer after the latest time specified for its submission and before the expiry of its period of validity; or
- 2) The Interested Party has refused to accept the correction of errors in nits offer in accordance with the instructions to Interested parties contained in the RFP; or

---

Sign & Stamp of Bidder



## **DELHI AVIATION FUEL FACILITY PRIVATE LIMITED**

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

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

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

Date:

Signature:

Designation:

Name of the Branch

---

Sign & Stamp of Bidder



# DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

## ANNEXURE-V

### **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 work .....for DAFFPL,.

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 DAFFPL, 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 been raised by the said M/s. -----

\_\_\_\_\_  
Sign & Stamp of Bidder



## DELHI AVIATION FUEL FACILITY PRIVATE LIMITED

- 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

## Annexure- VI

### 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**

(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

## Annexure VII

### **DECLARATION to be submitted along with Technical Bid**

(M/s. \_\_\_\_\_) hereby declare / clarify that we have not been banned or delisted by any government or quasi Government agencies or Public Sector Undertakings.

Stamp & Signature of the bidder

**NOTE:** If a bidder has been banned by 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

**Price Schedule (separately sealed cover with enquiry no # & due date)**

SN	Description of Scope	Qty. No.	Unit Price Including all Taxes & transportation up to site (Rs)	Total F.O.R site Unit Price (Rs.)
1	The Vendor shall quote the total price for design, manufacture, testing at works, packing and delivery at site for 33 kV HV Switchgear Panel as per enclosed specifications, data sheets, drawings, etc.  <b>Note:</b> The Vendor shall quote break up prices for various components / feeders / panels for addition /deletion of the same as indicated in the unit price schedule separately	1		
2	Dismantling of existing 33 KV, 1250 Amps, HT VCB Panels indoor consist of 3 panels (one incomer + 2 outgoing). The dismantled panel shall transit to store / location as directed by owner and shall be kept in safe area is in the scope of bidder	1		
3	Special tools kit, set of commissioning spares, 2 year maintenance spares, & commissioning manual for 33 kV HV Switchgear Panel.	*		
4	Installation, testing & commissioning as per diem rate. (Estimated time @ 2 days)	2		
<b>Grand Total Cost in INR (SN 1, 2, 3 &amp; 4)</b>				
<b>Grand Total in Words:</b>				

Signature of the Bidder along with Company seal