



# HARYANA AGRO INDUSTRIES CORPORATION LIMITED

(A Haryana Govt. Undertakings)

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Registered office  
Bays No.15-20, Sector-4  
Panchkula

## E-Tender Inquiry No.HAICL/DG Gen Set/2023 Dated 26.09.2023

### Short term E-tender

E-tender is invited for FOR supply and installation of **DIESEL GENERATING SETS** having capacity of 30 KVA :-

Description	EMD to be deposited	Tender Document Fee and E-Services (in Rs.)	Start Date & time of Bid Preparation & Submission	Expiry Date & Time of Bid Preparation & Submission
F.O.R supply and Installation of Diesel Generating Sets having capacity of 30 KVA at HAICL Harhith warehouse, Indri, Rohtak and Hisar.	Rs.30,000/-	5000/- + 1000/- =6000/-	29.09.2023 At 09:00Hrs.	13.10.2023 upto 12:00 Hrs.

Under this process, the Pre-qualification/Technical online bid Application as well as online Price Bid shall be invited under two covers i.e. PQQ/Technical & Commercial Envelope. Eligibility and qualification of the Applicant will be first examined based on the details submitted online under first cover (PQQ or Technical) with respect to eligibility and qualification criteria prescribed in this Tender document. The Price Bid under the second cover shall be opened for only those Applicants whose PQQ/Technical Applications are responsive to eligibility and qualifications requirements as per Tender document.

## Detailed Notice Inviting Tender

- The payment for Tender Document Fee and e-Service Fee shall be made by eligible bidders online directly through Debit Cards & Internet Banking Accounts and the payment for EMD can be made online directly through RTGS/NEFT or OTC Please refer to 'Online Payment Guideline' available at the centralized e-Procurement portal of GOH (Govt. of Haryana) and also mentioned under the Tender Document.
- Intending bidders will be mandatorily required to online sign-up (create user account) on the website <https://etenders.hry.nic.in> to be eligible to participate in the e-Tender. **The bidders will be required to make online payment of EMD as per rates mentioned on Page No.1 including Tender document & E-services charges for unserviceable wooden crates in due course of time from 09:00 Hrs. on 29.09.2023 to 12:00 Hrs. on 13.10.2023. The intended bidder who fails to pay EMD fee under the stipulated time frame shall not be allowed to submit its bids for the respective event/Tenders.**
- The interested bidders must remit the funds of EMD (at least T+1 working day transaction + One working Day) in advance i.e. **on or before 12.10.2023**; and make payment via RTGS /NEFT or OTC to the beneficiary account number specified under the online generated challan. The intended bidder thereafter will be able to successfully verify their payment online, and submit their bids on or before the expiry date & time of the respective events/Tenders at <https://etenders.hry.nic.in>
- The interested bidders shall have to pay mandatorily e-Service fee (under document fee – Non refundable) of Rs.1000/- (Rupee One Thousand Only) online by using the service of secure electronic payments gateway is an online interface between bidders and online payment authorization networks.
- The Payment for document fee/e-Service fee can be made by eligible bidders online directly through Debit Cards & Internet Banking.
- The interested bidders must remit the funds at least T+1 working day (Transaction + One working Day) in advance before the expiry date & time of the respective events and make payment via RTGS/NEFT to the beneficiary account number specified under the online generated challan.

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The Bidders can submit their tender documents (Online) as per the dates mentioned in the key dates:-

**Key - Date:-**

<b>S.No.</b>	<b>Particulars</b>	<b>Details</b>
1	Document reference number	HAICL/DG Gen Set/2023 Dated 26.09.2023
2	(i) Downloading of Tender Document/online Bid preparation	29.09.2023 (09:00 Hrs.) to 13.10.2023 (upto 12:00 Hrs.)
	(ii) Online Tender Document Fee & E-Service Fees of Rs.5,000 + 1,000 =Rs.6,000/-	
	(iii) EMD of Rs.30,000/-.	
3	Last date of submission of queries via email at <a href="mailto:haicpkl@gmail.com">haicpkl@gmail.com</a>	05.10.2023 upto 5:00 PM.
4	Submission of online Technical and Financial Bid	29.09.2023 (09:00 Hrs.) to 13.10.2023 (upto 12:00 Hrs.)
5	Opening of Technical Bid	13.10.2023 at 01:00 PM
6	Manual submission of only additional document, if required.	13.10.2023 upto 05:00 PM or till process is complete whichever is earlier.
7	Date of opening of Financial Bid	As per decision the Competent Authority.
8	HAICL contact details	Haryana Agro Industries Corporation Limited, Bays No.15-20, Sector-4, Panchkula-134109 Email: <a href="mailto:haicpkl@gmail.com">haicpkl@gmail.com</a> Tel. No.0172-2561305

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**Important Note:**

- The Applicants/bidders have to complete 'Application / Bid Preparation & Submission' stage on scheduled time as mentioned above. If any Applicant / bidder failed to complete his / her aforesaid stage in the stipulated online time schedule for this stage, his / her Application/bid status will be considered as "Applications / bids not submitted".
- Applicant/Bidder must confirm & check his/her Application/bid status after completion of his/her all activities for e-bidding.
- Applicant/Bidder can rework on his/her bids even after completion of "Application/Bid Preparation & submission stage" (Application/Bidder Stage), subject to the condition that the rework must take place during the stipulated time frame of the Applicant/Bidder Stage.

**Instructions to bidder on Electronic Tendering System**

These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.

**1. Registration of bidders on e-Procurement Portal:-**

All the bidders intending to participate in the tenders process online are required to get registered on the centralized e - Procurement Portal i.e. <https://etenders.hry.nic.in>. Please visit the website for more details.

**2. Obtaining a Digital Certificate:-**

- 2.1 The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital Certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.
- 2.2 A Digital Certificate is issued upon receipt of mandatory identity (i.e. Applicant's PAN Card) and Address proofs and verification form duly attested by the Bank Manager / Post Master / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – <https://etenders.hry.nic.in>.
- 2.3 The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from.

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- 2.4 The bidder must ensure that he/she comply by the online available important guidelines at the portal <https://etenders.hry.nic.in> for Digital Signature Certificate (DSC) including the e-Token carrying DSCs.
- 2.5 Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt and sign the data during the stage of bid preparation. In case, during the process of a particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised to keep a backup of the certificate and also keep the copies at safe place under proper security (for its use in case of emergencies).
- 2.6 In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no-objection certificate/power of attorney /lawful authorization to that User. The firm has to authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000. Unless the certificates are revoked, it will be assumed to represent adequate authority of the user to bid on behalf of the firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.
- 2.7 In case of any change in the authorization, it shall be the responsibility of management / partners of the firm to inform the certifying authority about the change and to obtain the digital signatures of the new person / user on behalf of the firm / company. The procedure for application of a digital certificate however will remain the same for the new user.
- 2.8 The same procedure holds true for the authorized users in a private/Public limited company. In this case, the authorization certificate will have to be signed by the directors of the company.

### **3. Pre-requisites for online bidding:-**

In order to operate on the electronic tender management system, a user's machine is required to be set up. A help file on system setup/Pre-requisite can be obtained from Tenders Haryana or downloaded from the home page of the website - <https://etenders.hry.nic.in>. The link for downloading required java applet & DC setup are also available on the Home page of the e-tendering Portal.

### **4. Online Viewing of Detailed Notice Inviting Tenders:-**

The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal eProcurement system on the Home Page at <https://etenders.hry.nic.in>.

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5. **Download of Tender Documents:-**

The tender documents can be downloaded free of cost from the eProcurement portal <https://etenders.hry.nic.in>

6. **Key Dates:-**

The bidders are strictly advised to follow dates and times as indicated in the online Notice Inviting Tenders. The date and time shall be binding on all bidders. All online activities are time tracked and the system enforces time locks that ensure that no activity or transaction can take place outside the start and end dates and the time of the stage as defined in the online Notice Inviting Tenders.

7. **Online Payment of Tender Document Fee, eService fee & Bid Preparation & Submission (PQQ/Technical & Commercial/Price Bid) :-**

7.1 Online Payment of Tender Document Fee + e-Service fee: The online payment for Tender document fee, eService Fee & EMD can be done using the secure electronic payment gateway. The Payment for Tender Document Fee and eService Fee shall be made by bidders/ Vendors online directly through Debit Cards & Internet Banking Accounts and the Payment for EMD shall be made online directly through online.

The secure electronic payments gateway is an online interface between contractors and Debit card / online payment authorization networks.

7.2 **PREPARATION & SUBMISSION OF online APPLICATIONS/BIDS:-**

- (i) Detailed Tender documents may be downloaded from e-procurement website (<https://etenders.hry.nic.in>) and tender (bid) mandatorily be submitted online following the instruction appearing on the screen.
- (ii) Scan copy of Documents to be submitted/uploaded for Prequalification or Technical bid under online PQQ/ Technical Envelope: The require documents (refer to DNIT) shall be prepared and scanned in different file formats (in PDF/JPEG/MS WORD format such that file size is not exceed more than 10 MB) and uploaded during the on-line submission of PQQ or Technical Envelope.
- (iii) **FINANCIAL or Price Bid PROPOSAL shall be submitted mandatorily online under Commercial Envelope and original not to be submitted manually).**

**8. ASSISTANCE TO THE BIDDERS:-**

**For queries on Tenders Haryana Portal, Kindly Contact**  
**Note:- Bidders are requested to kindly mention the URL of the Portal and Tender Id in the subject while emailing any issue along with the contact details. For any issues/clarifications relating to the tender (s) published kindly contact the respective Tender Inviting Authority.**

**Tel:- 0120-4200462, 0120-4001002, Mobile:- 8826246593**

**E-mail:- [support.etender@nic.in](mailto:support.etender@nic.in)**

**For any technical related queries please call at 24  
x 7 Help Desk Number 0120-4001002, 0120-4200462, 0120-  
4001005, 0120-6277787**

**For Support related to Haryana Tenders in addition to helpdesk you may also contact on e-mail ID [eproc.nichry@yahoo.com](mailto:eproc.nichry@yahoo.com) Tel:- 01722700275**

**Timing:-**

Technical Support Assistance will be available over telephone Monday to Friday (09:00 am. to 5:00 pm) (Helpdesk support team shall not be contacted for online bidding on behalf of the Contractors)

**NOTE :-**

- (A) Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal <https://etenders.hry.nic.in>.
- (B) For help manual please refer to the 'Home Page' of the e-Procurement website at <https://etenders.hry.nic.in>, and click on the available link 'How to...?' to download the file.

## (Online Payment Guideline)

**Guideline for Online Payments at e-Procurement Portal of Government of Haryana**

Post registration, bidder shall proceed for bidding by using both his digital certificates (one each for encryption and signing) & Password. Bidder shall proceed to select the event/Tenders he is interested in. On the respective Department's page in the e-Procurement portal, the Bidder would have following options to make payment for tender document fee + eService Fee & EMD-cum-Security Amount Deposit:-

- A. Debit Card
- B. Net Banking
- C. Online

**A. Debit Card**

The procedure for paying through Debit Card will be as follows:-

- (i) Bidder selects Debit Card option in e-Procurement portal.
- (ii) The e-Procurement portal displays the amount and the card charges to be paid by bidder. The portal also displays the total amount to be paid by the bidder.
- (iii) Bidder clicks on "Continue" button.
- (iv) The e-Procurement portal takes the bidder to Debit Card payment gateway screen.
- (v) Bidder enters card credentials and confirms payment.
- (vi) The gateway verifies the credentials and confirms with "successful" or "failure" message, which is confirmed back to e-Procurement portal.
- (vii) The page is automatically routed back to e-Procurement portal.
- (viii) The status of the payment is displayed as "successful" in e-Procurement portal.
- (ix) In case of successful payment, a success message along with unique transaction id is passed on to e-procurement system. The e-tendering portal shall store the unique transaction number in its database along with the date and timestamp.
- (x) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

**B. Net-banking**

The procedure for paying through Net-banking will be as follows:-

- (i) Bidder selects Net-banking option in e-Procurement portal.
- (ii) The e-Procurement portal displays the amount to be paid by bidder.
- (iii) Bidder clicks on "Continue" button.
- (iv) The e-Procurement portal takes the bidder to Net-banking payment gateway screen displaying list of Banks.
- (v) Bidder chooses his / her Bank.
- (vi) The Net-banking gateway redirects Bidder to the Net-banking page of the selected Bank.
- (vii) Bidder enters his account credentials and confirms payment
- (viii) The Bank verifies the credentials and confirms with "successful" or "failure" message to the Net- banking gateway which is confirmed back to e-Procurement portal.
- (ix) The page is automatically routed back to e-Procurement portal
- (x) The status of the payment is displayed as "successful" in e-Procurement portal.
- (xi) In case of successful payment, a success message along with unique transaction id is passed on to e-procurement system. The e-tendering portal shall store the unique transaction number in its database along with the date and timestamp.
- (xii) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

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**C. Online**

This solution shall also allow the bidder to make the EMD payment online. This shall add to the convenience of those bidders who are not conversant to use net banking option to make the transaction.

Using this module, bidder would be able to pay from their existing Bank account through online. This would offer a wide reach for more than 1,10,000 bank branches and would enable the bidder to make the payment from almost any bank branch across India.

1. To choose Payment of EMD, the bidder clicks on online payment option.
2. Upon doing so, the e-procurement portal will redirect the bidder to a page where it will generate a challan.
3. This challan shall include the beneficiary (Virtual) account number and other details like beneficiary IFSC code etc.

**Online Payment Procedure**

This provision will ensure that no confidential details regarding the bidder or tender are disclosed to the third party while remitting the payment online.

**The bidder would remit the funds atleast one day in advance to the last day and make the payment online.**

SBI Bank shall receive this amount and credit the payment gateway service provider intermediary Departments/PSUs Escrow security deposit account post validating the first part of the beneficiary account number, i.e., the client code only. In case the validation of client code is not successful, the Bank shall return the funds and not credit the Techprocess Intermediary Departments/PSUs Escrow security deposit A/c.

**Do's and Don't's for Bidders**

S.No.	Scenario	Do's/ Don'ts
1.	In the event of making Payment through online	<p><b>Do's</b></p> <ul style="list-style-type: none"> <li>• It is the bidder's responsibility to ensure that online payments are made to the exact detail as mentioned in the challan which are:</li> <li>• Beneficiary account no: &lt;client code&gt; + &lt;random number&gt;</li> <li>• Beneficiary IFSC Code: As prescribed by SBI Bank (this shall remain same across all tenders)</li> <li>• Amount: As mentioned on the challan. It is specific for every tender/transaction</li> <li>• Beneficiary bank branch: SBI Bank Ltd, CMS.</li> <li>• Beneficiary name: As per the challan</li> <li>• For every tender, details in the challan are different and specific to that tender only. Bidder should not make use of a challan for making payment for another tender's EMD</li> <li>• It is advised that all the bidders make payment via-online at least one day in advance to the last day of tender submission as certain amount of time is required for settlement and various parties are involved. The payment may not be available for the bidder validation. In such cases bidder may not be able to submit the tender.</li> <li>• Bidder has to make only single payment against a challan as per the amount mentioned on the challan.</li> <li>• Bidder must do the payment before tender validity gets expired.</li> </ul> <p><b>Don't's</b></p> <ul style="list-style-type: none"> <li>• Bidder should not enter erroneous details while filling the online form at their bank. The following possibilities may arise:</li> <li>• Incorrect IFSC code mentioned:-Transaction would be rejected and the amount would be refunded back in to the bidders account</li> <li>• Incorrect Beneficiary account number mentioned(&lt;client code&gt; + &lt;random number&gt;):-</li> <li>• In case, the beneficiary account number mentioned is incorrect the transaction would be rejected and the bid would not be accepted.</li> </ul>

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		<ul style="list-style-type: none"><li>• Incorrect Amount mentioned: The amount would be rejected if the amount mentioned in while making the payment is incorrect. Such cases will be captured as unreconciled transactions and will be auto-refunded directly to bidder's account.</li><li>• In the event of any discrepancy, payment would not be considered and bidder would not be allowed to bid/ participate.</li><li>• Bidder is not supposed to use challan generated in one tender for payment against another tender since details in the challan are unique to the tender and bidder combination.</li><li>• Bidder must not make multiple or split payments against a particular challan. Any split payment received against the same challan will be refunded back to the bidder.</li><li>• Bidder would not be entitled to claim that he is deprived of participating in the tender because his funds are blocked with the division on account of incorrect payment made by the bidder</li></ul>
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**TERMS AND CONDITIONS FOR SUPPLY/INSTALLATION DIESEL GENERATING SETS having capacity of 30 KVA.**

1. **Price of tender document:-**The payment of tender document fee of Rs.5000/-and E-service fee of Rs.1,000/- total of Rs.6,000/- (Rs. Six Thousand Only, non- refundable) per item as per NIT can be made by eligible tenderers online directly through debit Card/Internet Banking Account.
2. **Sale of Tender:-**Tender document for **SUPPLY/INSTALLATION DIESEL GENERATING SETS having capacity of 30 KVA** for HAICL Harhith warehouse-Indri, Rohtak & Hisar are available at **<https://etenders.hry.nic.in>** website.
3. **Opening of Tender:-**Technical bids shall be opened on **13.10.2023 at 01:00 PM** and the Financial Bids of the tenderer who qualify in the Technical Bids shall be opened as per decision of the Competent Authority. These Bids shall be opened in Conference Hall, Haryana Agro Industries Corporation Ltd. Bays No.15-20, Sector-4, Panchkula in the presence of the tenderer who may wish to be present.
4. **INSPECTION:** The inspection of the material would be conducted by the Authorized Officer(s) of HAIC at works of the supplier before dispatch. In case, the material is found below prescribed specifications, the supplier would be bound to replace the same at his own cost failing which Managing Director, HAIC, reserves the right to forfeit the security as whole or part thereof. The forfeiture/deduction would be in addition to any other rights that the purchaser may have under the law of the land. The inspection Officer will put his stamp "MATERIAL ACCEPTED" on the relevant material. HAICL, however, reserves the right to reject the material, if found below specifications at the destination.
5. **TIME LIMIT:** The successful tenderer shall complete the supply & installation of DG Gen Set within **30 days from** the date of issue of purchase order by HAICL.
6. **RELEASE OF PAYMENT:-** **100%** Payment of the awarded work shall be released after installation i.e. complete in all respect and ready for operation and on the production of completion certificate from the committee constituted for inspection of the installed DG Gen Set on producing satisfactory report from Manager warehouse concerned.
7. **WARRANTY:-** Warranty period shall be of **two years or as per manufacture company policy** from the date of handing over the DG Gen Set, duly operational by the agency/successful tenderer to the HAICL for each unit.
8. Tenderers shall deposit Earnest Money of Rs.30,000/-. The Earnest Money will be paid online through **<https://etenders.hry.nic.in>**.The tender accompanied without Earnest Money will be summarily rejected.

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9. Earnest Money of the successful tenderer shall be adjusted towards his/their security deposit for satisfactory completion/execution of the order and shall be liable for forfeiture if the successful tenderer refuses in any manner. The earnest money of unsuccessful tenderer will be refunded after receipt of no objection certificate from Manager Warehouse (concerned).
10. No interest shall be payable on the Earnest Money deposited with the Corporation.
11. **The offer of rates for the above mentioned equipment should be quoted both in figures and words as per location given below:-**
  - i) **Harhith warehouse – Indri (Karnal), Rohtak & Hisar:- The rate should be quoted including F.O.R. destination, installation & Commissioning and civil work.**
12. The conditional tender will not be accepted in any manner.
13. The offers should be valid for acceptance for a period of not less than 90 days from the date of opening of tenders.
14. The tender signed by a person other than the tenderer on behalf of the tenderer without disclosing his authority to do shall not be deemed to be valid and shall be liable to be rejected.
15. **No tender will be considered unless and until all the documents are properly signed and submitted with the tender.**
16. The tenderer will provide all facilities/equipment/instruments for inspection to be installed of DG Gen Set.
17. Force majeure clause shall not be accepted.
18. Negotiation will be done, if need be.
19. In the event of any dispute arising out of the contract, the Managing Director, Haryana Agro Industries Corporation Limited or his nominee shall be the Arbitrator, whose decision shall be final and binding on both the parties.

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20. Technical Specifications of the Diesel Generator Sets having capacity of 30 KVA to be supplied/installed are given as under:-

### **(A) DIESEL GENERATING SETS 30 KVA CAPACITY**

#### **Detailed Specifications:-**

Diesel Engine and Alternator should be coupled and mounted on a base plate of robust construction.

#### **1. DIESEL ENGINE : Manufactured in INDIA.**

Diesel Engine shall be Liquid/Water or Air Cooled, electric start developing required B.H.P. at 1500/3000 rpm with Class A-I Governor or Electronic Governor for alternator to deliver specified continuous KVA output at 0.8 lagging PF at NTP conditions (Rating shall be tested at Unity PF). The Diesel Engine should be capable of providing 10% overload for one hour continuous running at full after every 11 hours continuous running.

The Diesel Engine shall be complete with the following accessories:-

- a) Engine instrument Panel consisting of starting switch/push button, Lube Oil and Pressure Gauges, Water Temperature Gauge, RPM indicator and Hour Meter.
- b) Low lube oil pressure safety required in engines. High Water temperature safety for Coolant liquid/water or Air cooled Engines is required. The safety should include audio alarm and trip facility to avoid damage to the engine.
- c) Radiator.
- d) Exhaust silencer of Residential type.
- e) 12V starting system complete with starter motor, charging alternator and cutout.
- f) Lead Acid battery of suitable rating with connecting cables. The batteries shall be supplied in uncharged conditions and of Make:

EXIDE/STANDARD      FURUKAWA/AMARON/TATA      GREEN/AMCO/  
LUMINOUS/PACESETTER.

The Engine should confirm to applicable latest Emission Norms/standards and other Norms w.e.f. 01.07.2023 issued by Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi vide notification no. CG-DL-E-04112022-240031 dated 03.11.2022 and other applicable amendments thereof time to time, if any.

The Engine shall be accepted only which conforms to BIS: 10000/1/2 or BS: 5514.

## **2. ALTERNATOR:-**

The Alternator shall be self excited, self-regulated of specified KVA rating in single phase/ three phase at 220V/415 Volts, 50 Hz, 1500/3000 RPM and 0.8 PF lagging (Rating shall be tested at Unity PF). The alternator shall be of brushless type only. The protection shall be screen-protected drip proof with Min. IP-21 or improved degree of protection for outdoor installations. The class of insulation of the Alternator would be F/H. The rated voltage of Alternator will be 220/240 V for 1 phase and 415 V for 3 phase.

**Make of Alternator:** Kirloskar/ Kirloskar Green/ CG (Crompton Greaves)/ Leroy-Somer/Stamford/MeccAlte.

## **3. AMF CONTROL PANEL:-**

Automatic mains failure (AMF) control panel shall be able to start up the DG set and can transfer the load on to DG sets on mains failure without requiring any human intervention, similarly, on restoration of main supply, it shall be able to transfer the load to main supply and switch off the DG sets automatically.

The AMF panel enclosure should be with the IP-53 degree of protection and shall be fabricated from minimum 16 SWG thick steel duly pre-treated and aesthetically finished and Powder coated.

The AMF Control Panel shall have the following instruments:

- a) Microprocessor based relay with composite/separate meter for digital display of:
  1. Generator voltage/ AC Mains voltage.
  2. Generator Current.
  3. Load Current.
  4. Power Factor.
  5. Frequency.
  6. Energy
  7. Three attempts engines start/ engines cranking relay.
  8. On delay timer for load change over.
  9. On delay timer for engine shut off.

- b) Mode selector switch for setting the panel on any one position such as off or auto or Manual or test.
- c) Engine On-Off switch (Push Button type)
- d) MCCB/Fuses of suitable rating shall be provided.
- e) Rectangular Aluminium Bus (One number for each phase, neutral and earthing terminal) of adequate ratings duly colour coded with heat shrinkable PVC Sleeves or Copper Cables.
- f) Two contactors/ACB of suitable rating (one for DG set & one for AC mains) with overload relay.
- g) Under +Over Voltage Relay.
- h) Automatic Battery charger with on-off switch, voltmeter and ammeter for charging the battery from mains. This will be addition to the battery charging alternator fitted on the engine.
- i) Instrument & Control Fuses/MCB.
- j) Four number indicating lamps to indicate 'load on mains', 'set running', 'load on set', and 'battery charger on'.
- k) Audio visual alarm for 'Low lubricating oil pressure', 'High Water temperature' (for water cooled), 'Start failure' and 'DG overload'.

Any other switch, instrument, relay or contactor etc. essential for smooth and trouble free function of DG set with AMF panel (to be specified by the tenderer in their offer with complete detail of the item).

- l) All Electrical/Electronic components/ parts such as MCCB/ MCB/ FUSE/ Contactor/Meters should be of L&T/ ABB/ SCHNEIDER/ AE/ GE/ HAVELLS/ SIEMENS make.

#### **4. MANUAL CONTROL PANEL:-**

The Control Panel shall be made out of fabricated sheet 16 gauge (min) thick duly powder coated of suitable size for indoor/outdoor floor mounting installation. Aluminium Bus-bar/copper cables, internal wiring with suitable provision for/connection incoming/outgoing leads. The Control Panel shall include following instruments:-

- a. Composite meter for digital display of
  - i. Voltage
  - ii. Current
  - iii. Frequency
- b. One MCB/MCCB/ACB of suitable rating.
- c. Push button switches for on-off operation.
- d. Indication lamps.



- e. Automatic battery charger with on-off switch, voltmeter and ammeter for charging the battery from mains. This will be addition to the battery charging alternator fitted on the engine.

## 5. **SOUND PROOF ENCLOSURE (CANOPY)**

The generator shall be in a sound proof (Acoustic) enclosure suitable for Diesel Generating sets complete in all respect having following specifications/features:-

Fabricated as per standard specifications of manufacturer, stuffing done with suitable foam/Rock wool. Rock wool supported with Tissue paper or perforated sheets having holes. Residential type silencer provided to lower the noise of exhaust outlet. Canopy treated for antirust with powder coating should have fresh Air inflow and proper ventilation. Modular in construction and provided with lockable doors. The Sound proof enclosure shall be strictly as per CPCB prevalent norms. The sheet thickness should be 18 gauge (min) as per manufacturer standard and as per CPCB rules.

21. In case the tenderer backs out of his contract/withdraw his/their accepted offer, the earnest money deposited by him with the Corporation shall be forfeited besides any other action as may be considered unnecessary by the Managing Director.
22. Subject to these conditions the tenderer will not be entitled to charge or to be paid for supplies broken, damage in transit. The Managing Director will be the authority to determine whether or not the breakage, loss or damage was caused through the tenderer's negligence and the decision of the Managing Director or his authorized representative on his behalf shall be final and conclusive against the tenderer. Such rejected supplies shall be removed/replaced by the tenderer at his/their own his expenses.
23. The tenderers are required to submit the following documents alongwith technical bid otherwise in the absence of these documents technical bid is likely to be rejected summarily:-
- i) The constitution of the bidding Agency alongwith the registration.
  - ii) Original copy of specimen signatures of the authorized signatory(ies) alongwith the 'TECHNICAL BID'.
  - iii) Earnest Money of Rs.30,000/-.
  - iv) Latest copy of valid PAN CARD, GST, Authorization/Registration Certificate from concerned Authorities.

Signature of Tenderer

- v) Certificate in respect of successful completion of 10 Nos. of similar jobs in Govt. or PSUs in any one year during the last three years duly supported by their performance certificate from end user.
  - vi) Audited balance sheet as documentary proof for having annual turnover for a minimum of Rs. Two crore per annum for any year during last three years i.e. 2020-21, 2021-22 & 2022-23.
  - vii) The agency should not have been blacklisted or debarred by any Govt./Public Sector undertaking duly authenticated in the shape of an affidavit.
24. The Corporation reserves the right to reject any or all tenders received, without assigning any reasons. In the event of any dispute, the decision of the Managing Director of the Corporation shall be final and binding on both the parties.

**TECHNICAL BID**

Sr. No	Particulars	
1	Detail of Earnest Money of Rs.30,000/-	RTGS No..... Date..... Name of Bank..... Amount..... (if already submitted)

**DOCUMENTS REQUIRED TO BE SUBMITTED BY THE TENDERER ALONGWITH TECHNICAL BID:-**

Whether the copies of the following documents duly signed at each page have been uploaded (write 'Yes' or 'No')

- i) Tender Documents duly signed by tender : **YES OR NO**
- ii) Power of attorney to sign the tender documents in case of Partnership firm. : **YES OR NO**
- iii) Copy of valid PAN CARD : **YES OR NO**
- iv) Copy of GST Number : **YES OR NO**
- v) Authorization/Registration Certificate from concerned Authority : **YES OR NO**
- vi) Certificate in respect of successful completion of 10 Nos. of similar jobs in Govt. or PSUs in any one year during the last three years duly supported by their performance certificate from end user. : **YES OR NO**
- vii) Audited balance sheet as documentary proof for having annual turnover for a minimum of Rs.Two crore per annum for any year during last three years i.e. 2020-21, 2021-22 & 2022-23. : **YES OR NO**
- viii) The agency should not have been blacklisted or debarred by any Govt./Public Sector undertaking duly notarized in the shape of an affidavit on a stamp paper of Rs.100/-. : **YES OR NO**

I/we hereby state that:-

- I/we have thoroughly read all the schedules, appendices, annexures to the tender document, terms & conditions carefully.
- Our offer is as per Terms and Conditions given in the tender document.

Signatures: \_\_\_\_\_  
Seal/Stamp:

Full Name of the authorized signatory: \_\_\_\_\_  
Designation of the signatory: .....  
Contact No. of signatory: .....  
E-Mail ID of signatory: \_\_\_\_\_

Signature of Tenderer