

BID DOCUMENT

REPLACEMENT OF OLD DIESEL GENERATOR SET
(500 KVA) WITH NEW DIESEL GENERATOR SET OF
500 KVA AT HOTEL CHANDIGARH BECKONS (A
UNIT OF CIHM, CHANDIGARH SECTOR 42-D,
CHANDIGARH

Last Date of Submission of tender (on-line): _____/2024

Website: GeM portal [https:// gem.gov.in](https://gem.gov.in)

Tel: 0172-2511125

 EE-V (Elect.)



**CHANDIGARH
HOUSING BOARD**

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

PART-I

EE-V(Elect.)

Page- 2

CHANDIGARH HOUSING BOARD

TERDER NOTICE

Notice Inviting Bids on GeM Portal

Executive Engineer-V(Elect.) on behalf of the Chairman, Chandigarh Housing Board, Chandigarh invites the Bids **through the GeM portal [https:// gem.gov.in](https://gem.gov.in)**. from Original Equipment Manufacturers (OEMs) & their authorized agents/dealers of Diesel Generator set for the work REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA) WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH SECTOR 42-D, CHANDIGARH

Earnest Money:- Rs.170000/-, Period of Completion:- 60 Days, Last date of submission of bid is __/__/2024 & date of opening of bid is __/__/2024

Executive Engineer-V(Elect.)
for & on behalf of Chairman
Chandigarh Housing Board,
Chandigarh Tel: 0172-2511125

Note:-

- The detailed scope of service along with terms and conditions may be downloaded from the website by logging on to GeM portal [https:// gem.gov.in](https://gem.gov.in).
- The bidders would be required to enroll/register on the GeM Portal. The Bidders Shall be solely responsible for checking the website for any addendum/corrigendum issued in this regard and take into consideration of the same while preparing and submitting the bids.
- **The bids are to be submitted online through the GeM portal [https:// gem.gov.in](https://gem.gov.in)**
- Consignees/Reporting Officer and Quantity

S. No.	Consignee/ Reporting Officer	Address	Qty	Delivery Days
1	Sh. Inderjeet Singh Sub Divisional Engineer-IV(Elect.) Chandigarh Housing Board Chandigarh	<u>SITE</u> Hotel Chandigarh Beckons (A unit of CIHM, Chandigarh) Sector 42-D, Chandigarh	1No	60



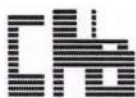
CHANDIGARH HOUSING BOARD

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SECTOR 42-D, CHANDIGARH (Bid Document)

Detail Regarding Tendering Process

Name of work	REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA) WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH SECTOR 42-D, CHANDIGARH
Period of completion	60 Days
Name of the Employer	Chandigarh Housing Board
Address of the Employer	Sector 9 D, Chandigarh
Mode	E-Tendering
Website	https:// gem.gov.in
Integrity Pact duly filled, signed & stamped	The bidder must upload the copy of Integrity Pact duly filled, signed & stamped in the presence of witness along with other bid documents on the web site.
Milestone Dates	
Date of Pre –Bid Meeting	Board Room, Block-B CHB Office Building, Sector-9 Chandigarh on date _____ AT 11:00AM
Opening of technical bid (Online)	
Opening of price bid (Online)	To be intimated separately to all qualified bidders
Bid validity period	75 Days
Earnest Money Deposit	Earnest money Deposit of Rs.1,70,000/- may be deposited by bank-to-bank transfer using SBI MOPS or RTGS/NEFT transfer through the GeM portal https:// gem.gov.in . Bank details are as under:
Bank	State Bank of India(SBI)
Bank Branch	SBI, Sector 9-D, Chandigarh Housing Board Branch Chandigarh.
Bank Account No.	37930971006
IFSC Code	SBIN0010604
	Bidder can submit their bid only after depositing Earnest money Deposit online. The amount of Earnest money Deposit is refundable and adjustable. The Earnest money Deposit shall be refunded online to the bidder account in case of all unsuccessful e-bids, provided it is



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	not forfeited. The bidder must upload the copy of UTR No/ Transaction slip in the online bid.
Proformance Security	<p>The contractor, whose bid is accepted, will be required to furnish performance guarantee Five percentage of the tendered amount within the period of Seven Days. This guarantee shall be in form of Insurance Surety, Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form.</p> <p>Maximum allowable extension is 15 days beyond the period provided above. Extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided 7 days.</p> <p>If performance guarantee not deposited within the specified period, including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.</p>
Security Deposit	<p>The person/persons whose tender(s) may be accepted (hereinafter called the contractor) shall permit CHB at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 2.5% of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 2.5% of the tendered value of the work.</p> <p>Such deductions will be made and held by CHB by way of Security Deposit unless he/they has/have deposited the amount of Security at the rate mentioned above in cash or in the form of Government Securities or fixed deposit receipts. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit</p>
Duration of Performance guarantee required (Months).	28 Months



Initial criteria for Eligibility for tender.

1.1. Applicants who fulfill the following requirements shall only be eligible to apply.

- a. Should have experience in the field of supply, installation, testing and commissioning of DG Sets work for the past 3 years consistently;
- b. Should have satisfactorily completed the work as mentioned during the last seven years ending last day of the month previous to the one in which tender is invited.

Three similar works each of value not less than 40% of the estimated cost put to tender with capacity of individual DG Set being 80% of individual capacity (rounded off to next available higher capacity) of the equipment i.e. DG Set proposed in NIT.

OR

Two similar works each of value not less than 60% of the estimated cost put to tender with capacity of individual DG Set being 80% of individual capacity (rounded off to next available higher capacity) of the equipment i.e. DG Set proposed in NIT.

OR

One similar works each of value not less than 80% of the estimated cost put to tender with capacity of individual DG Set being 80% of individual capacity (rounded off to next available higher capacity) of the equipment i.e. DG Set proposed in NIT.

‘Similar work shall mean ‘Supply, installation, testing and commissioning of DG Sets’.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last day of submission of bid

- c. ~~At the time of submission of bid, contractor uploads Income tax returns and balance sheets duly audited/verified by the Chartered Accountant & Profit/Loss statement during the last three years ending 31st March of the previous year duly signed by the CA.~~
- d. Firm(s)/Contractors against whom any criminal proceedings are pending in any court of law relating to any project executed by the firm, shall not be considered for post-qualification.

To become eligible, for e- tendering, the tenderer shall have to furnish an affidavit as per Annexure-I. All the documents shall be duly attested & counter signed by the Bidders.

- e. GST registration Certificate, if already obtained by the bidder.

If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with other bid documents.

"If work is awarded to me, I/we shall obtain GST registration Certificate as applicable within one month from the date of receipt of award letter or before release of any payment by CHB, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CHB or GST department in this regard".

Note: All the documents shall be duly attested & counter signed by the agency.

2. Agreement shall be drawn with the successful Tenderer on the prescribed Format of CPWD Form 7, which is available for sale in the market. Tenderers shall quote their rates as per various terms and conditions of the said form which will form part of the agreement. However the definitions contained therein with regard to CPWD Department and other designated authorities may be read as under:-

As per General Conditions of Contract for Central P.W.D Works	To be read as
CPWD	CHB
President of India	Chairman, CHB
Govt. of India	Chandigarh Housing Board
Director General	Chairman, CHB
Additional Director General	Chief Executive Officer, CHB
Department	Chandigarh Housing Board

3. In this document the following words and expressions have the meaning hereby assigned to them:

EMPLOYER means the Chairman, Chandigarh Housing Board, acting through the Executive Engineer.

BIDDER/TENDERER/FIRM/ AGENCY/CONTRACTOR/APPLICANT means the individual, proprietary firm, firm in partnership, limited company private or public or corporation or Joint Venture Company.

"Year" means "Financial Year" unless stated otherwise.

CHB/ Board means "Chandigarh Housing Board"

4. The time allowed for carrying out the work will be 60 days from the date of start from the first day of handing over of the site, whichever is later in accordance



with the phasing, if any, indicated in the Tender Document. In case of non-handing over of any part of site, the extension in time limit for the proportional delay shall be allowed as per the agreement.

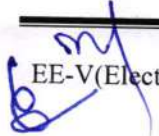
5. The Site for the work is available.
6. Downloading and submission of Tender including Financial Bid will be done by **e-Procurement process** through the GeM portal [https:// gem.gov.in](https://gem.gov.in)
7. The agency shall upload Scanned copy of documents (duly **attested and counter signed** by agency) related to "Earnest Money Deposit" and 'Eligibility Documents'. After submission of the bid the contractor can re-submit revised bid any number of times but before stipulated time and date of submission of bid as notified.
8. The bid submitted shall become invalid if:
 - a) The bidder is found ineligible.
 - b) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
 - c) Any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
9. Pre-Bid Meeting shall be held on the date mentioned in Detail Rergarding Tendering Process in the CHB Board Room in Block-'B', CHB Office Building Complex at 8 Jan Marg, Sector 9, Chandigarh.
10. The department reserves the right to reject any or all the prospective applications without assigning any reason and/or to restrict the list of qualified contractors to any number as deemed suitable by it, if too many bids satisfying the laid down criteria have been received.
11. The bidder, whose tender has been accepted, will be required to furnish '**Performance Guarantee**' as mentioned in Detail Rergarding Tendering Process.
12. The competent authority on behalf of the Chairman, CHB does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without assigning any reason. **All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, the same shall be summarily rejected.**
13. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
14. The contractor shall not be permitted to tender for works in the CHB. (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also

intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Chandigarh Housing Board. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

15. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Chairman, CHB in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Chairman, CHB as aforesaid before submission of the bid or engagement in the contractor's service.
16. The tenders for the work shall remain open for acceptance for a period of 75 days from the last date of opening of bids.
 - i. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the CHB shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - ii. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the CHB shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - iii. In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
17. The tenderer is liable to be blacklisted as per policy of Chandigarh Administration 2009 and the EMD will be forfeited if he has been found to have misled or has furnished false information in the forms / statements / certificates/online information submitted by him as proof in support of qualification requirements or record of performance such as abandoning of work not properly completed in earlier contracts, inordinate delays in completion of the works etc. etc. Further, if this contract has been awarded, the same shall be rescinded including forfeiture of EMD and Performance Guarantee.
18. All disputes concerning in any way with this work are subject to Chandigarh jurisdiction only.
19. Before the last date for submission of Tenders, the Tender Inviting Officer may

- modify any of the Contents of the Tender Notice, Tender documents by issuing amendment/ Addendum.
20. Any addendum/ amendments issued by the Tender Inviting Officer shall be part of the Tender Document.
 21. To give prospective Tenderer reasonable time to take an addendum into account in preparing their bids, the Tender Inviting Officer may extend if necessary, the last date for submission of tenders.
 22. The Executive Engineer will evaluate whether each Tenderer is satisfying the eligibility criteria prescribed in the tender document and declares them as a qualified Tenderer and selected for next stage of opening of Price Bid.
 23. If the technical bid of a Bidder is not satisfying any of the eligibility criteria it will be rejected by the Executive Engineer.
 24. Bidder shall be scrutinized in accordance with the conditions stipulated in the Tender document. In case of any discrepancy of non-adherence Conditions the Tender accepting authority shall communicate the same which will be binding both on the tender Opening authority and the tenderer. In case of any ambiguity, the decision taken by the Tender Accepting Authority on tenders shall be final.
 25. The Executive Engineer will evaluate and compare the price bids of all the qualified Tenderer.
 26. The Bidder is advised to attach any additional information, which he thinks to be necessary in regard to his capabilities. No further information will be entertained after submission of application unless it is called for by the Board. The Board reserves the right to call for additional information & clarification of information submitted by the Tenderer.
 27. The cost incurred by the Bidder in preparing this application, in providing clarifications or attending discussions/ conferences in connection with this document shall be borne by the Tenderer and the Board in no case will be responsible or liable for these costs, regardless of the conduct or out come of the process.
 28. During execution of the work, if found that the contractor had produced false/ fake certificates of experience he will be black listed and the contract will be terminated

Executive Engineer-V(Elect.),
Chandigarh Housing Board
Chandigarh.

 EE-V(Elect.)



**CHANDIGARH
HOUSING BOARD**

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document))

PART-II

DOCUMENT RELATED TO ELIGIBILITY CRITERIA AND OTHER RELATED DOCUMENTS



FORM-A

LETTER OF TRANSMITTAL

From:
(agency name & address)

To

Executive Engineer-V(Elect.),
Chandigarh Housing Board,
Chandigarh.

**Sub: SUBMISSION OF BID FOR THE WORK REPLACEMENT OF OLD
DIESEL GENERATOR SET (500 KVA) WITH NEW DIESEL
GENERATOR SET OF 500 KVA AT HOTEL CHANDIGARH BECKONS
(A UNIT OF CIHM, CHANDIGARH SECTOR 42-D, CHANDIGARH**

Sir/Madam

Having examined the details given in the bid document for the above work, I/we hereby submit the relevant information.

1. I/ we hereby certify that all the statements made and information supplied in the enclosed Forms A to D and accompanying statement are true and correct.
2. I/ we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I / We submit the Following certificates in support of our suitability, technical know how and capability for having successfully completed the following eligible similar works:-

Sr. No.	Name of work/Project and location	Certificate from
1		
2		
3		

Certificate:-

It is certified that the information given in the enclosed eligibility bids are correct. It is also certified that I/we shall be liable to be debarred, disqualified/ cancellation of enlistment in case of any information furnished by me /us found to be incorrect.

Enclosures:

Seal of bidder

Date of submission

SIGNATURE(S) OF BIDDER(S)

EE-V(Elect.)



REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA) WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL CHANDIGARH BECKONG ~~4~~5 UNIT OF CIHM, CHANDIGARH SECTOR 42-D, CHANDIGARH (Bid Document)

FORM'B'

Details of Eligible Similar nature of works completed during the last seven years ending previous day of last date of submission of bid.

[illegible]

*Indicate gross amount claimed and amount awarded by the Arbitrator.
For details attached separate sheet.

SIGNATURE OF BIDDER(S)

EE-V(Elect.)

FORM 'C'

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORM "B"

1.	Name of work/Project & Location	
2.	Owner or sponsoring organization	
3.	Agreement No.	
4.	Estimated Cost	
5.	Tendered Cost i. Allotted Amount ii. Actual completed cost	
6.	Date of Start	
7.	Date of completion	
(i)	Stipulated date of completion	
(ii)	Actual date of completion.	
8.	a) Whether case of levy of compensation for delayed has been decided or not.	
	b) if decided, amount of compensation levied for delayed completion if any.	
	c) Litigation/arbitration cases Pending/in progress with details	
9.	Whether the work was done on back to back basis (yes / no)	
10.	Performance Report	
	1)	Quality of Work Outstanding/Very Good/ Good / Poor
	2)	Financial soundness Outstanding/Very Good/ Good / Poor
	3)	Technical Proficiency Outstanding/Very Good/ Good / Poor
	4)	Resourcefulness Outstanding/Very Good/ Good / Poor
	5)	General behavior Outstanding/Very Good/ Good / Poor

Certified that M/s has completed the above work with as per details mentioned above.

Dated:

Executive Engineer or Equivalent

EE-V(Elect.)

ANNEXURE-I

**SPECIMEN PROFORMA FOR THE AFFIDAVIT TO BE SUBMITTED BY THE
APPLICANT ALONGWITH OTHER DOCUMENTS.**

(On Judicial Stamp paper duly attested by Ist class Magistrate or Notary Public)

I, _____ S/o Sh. _____ authorized
representative of _____ with its office at _____
_____ solemnly affirm and declare as under on behalf of the firm:-

- 1) I/We in the name and style of _____ had applied for the
work **REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH SECTOR
42-D, CHANDIGARH**
- 2) The undersigned hereby certify that there is no criminal proceedings pending/
ongoing in any court of law regarding any construction project executed by me/us.
- 3) The undersigned hereby certify that all the documents and information submitted
with the tender/Bid are 'True' & I/We stands fully responsible as per law for their
genuineness and correctness.
- 4) I/we undertake and confirm that the eligible similar works has/have not been got
executed through another contractor on back to back basis. Further that if such a
violation comes to the notice of the department then I/we shall be debarred for
tendering in CHB in future forever. Also if, such a violation comes to the notice of
the department before the date of start of work then the CHB shall be free to forfeit
the entire amount of Earnest Money Deposit/Performance Guarantee deposited.

Place: _____
Dated: _____

Authorized Signatory of
firm/Deponent

VERIFICATION:

I the above named signatory/deponent do hereby solemnly affirm & declare that
the contents of this affidavit are true to the best of my knowledge & nothing has been
concealed therein.

Place: _____
Dated: _____

Authorized Signatory of
firm/Deponent



ANNEXURE-II

FORMAT FOR POWER OF ATTORNEY- by all individual Applicants

(on judicial Stamp paper duly attested by First Class Magistrate/Notary)

Dated: _____

To whomsoever it may Concern

Know all men by these presents, we _____ (name and registered office address of the Applicant) do hereby constitute, appoint and authorize Mr. _____ (Name of the Person(s)), domiciled at _____ (Address), acting as _____ (Designation and the name of the firm), as Authorized Signatory and whose signature is attested below, as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our request for prequalification work of _____, including signing and submission of all documents and providing information and responses to clarifications/enquiries etc. as may be required by CHB and signing of agreement if awarded the said work.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

For _____

(Signature)

(Name, Title and Address)

Accept

(Attested signature of Mr. _____)

(Name, Title and Address of the Attorney) _____

Notes:

- To be executed by the Applicant
- The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
- Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a resolution / power of attorney in favor of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the executant(s)

ANNEXURE-III

**On non-judicial stamp paper of minimum Rs.100/-
(Guarantee offered by Bank to CPWD in connection with the execution of contracts)
Form of Bank Guarantee for Performance Guarantee/Security Deposit/Mobilization
Advance**

1. Whereas the Executive Engineer-V(Elect.)I, on behalf of the Chairman, CHB (hereinafter called "The Government") has invited bids under _____ (NIT number) _____ dated for **REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA) WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH SECTOR 42-D, CHANDIGARH**

OR**

Whereas the Executive Engineer _____ (name of division) CHB, Chandigarh on behalf of the Chairman, CHB (hereinafter called "The Government") has entered into an agreement bearing number with _____ (name and address of the contractor) _____ (hereinafter called "the Contractor") for execution of work _____ (name of work) _____. The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. _____/- (Rupees _____ only) valid up to _____ (date)* _____ as **Performance Guarantee/Security Deposit/Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We, _____ (indicate the name of the bank) _____ (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. _____/- (Rupees _____ only) on demand by the Government within 10 days of the demand.
3. We, _____ (indicate the name of the Bank) _____ do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____/- (Rupees _____ only).
4. We, _____ (indicate the name of the Bank) _____, further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the contractor shall have no claim against us for making such payment.
5. We, _____ (indicate the name of the Bank) _____ further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the

said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We, _____ (indicate the name of the Bank) _____ further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We, _____ (indicate the name of the Bank) _____, undertake not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up to _____, unless extended on demand by the Government. Notwithstanding anything mentioned above. Our liability against this guarantee is restricted to Rs. _____/- (Rupees _____ only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date _____

Witnesses:

1. Signature _____
Name and address _____

Authorized signatory
Name _____

Designation _____
Staff code no. _____
Bank seal _____

2. Signature _____
Name and address _____

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

** In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/Security deposit/mobilization advance, as the case may be.

ANNEXURE-IV

To be signed by the bidder and same signatory competent/ authorised to sign the relevant contract on behalf of CHB.

INTEGRITY PACT

(Integrity Pact is applicable for all works of estimated cost put to the tender equal to or more than the threshold value given in Schedule-F)

This Integrity Agreement is made at..... on this day of..... 20.....

BETWEEN

Chairman, Chandigarh Housing Board represented by the Engineer-in-Charge (hereinafter referred to as the Principal, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assignees)

AND

(Name and address of the bidder)

(Hereinafter referred to as the Bidder/Contractor and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assignees)

Preamble

WHEREAS the Principal has floated the tender (NIT No.) (hereinafter referred to as Tender) and intends to award, under laid down organizational procedure, contract for **REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA) WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH SECTOR 42-D, CHANDIGARH** hereinafter referred to as the "Contract".

AND WHEREAS the Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as Integrity Pact), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this integrity Pact witnesses as under:

Articles

Article 1: Commitment of the Principal

- 1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal will, in particular, before and during the Tender process, provide to a Bidder(s) the same information and we not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.



- (c) The Principal shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/ Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
2. The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
 - (e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice, willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use coercive practices (which shall include the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property) to influence their participation in the tendering process.

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal under law or the contract or its established policies and laid down procedures, the Principal shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal absolute right:

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal. Such exclusion may be forever or for a limited period as decided by the Principal.
2. Forfeiture of Earnest Money Deposit Performance Guarantee/Security Deposit: If the Principal has disqualified the Bidder(s) from the Tender process prior to the award of the contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal apart from exercising any legal rights that may have accrued to the Principal, may in its considered opinion forfeit the entire amount of Earnest Money Deposit Performance Guarantee and Security Deposit of the Bidder/Contractor.
3. Criminal Liability: If the Principal obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of PC Act, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last 3 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal.
3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement by any of its Subcontractors/sub-vendors.
2. The Principal will enter into pacts on identical terms as this one with all Bidders and Contractors.

Article 6- Duration of the Pact

This Integrity Pact begins when both the parties have legally signed it. It expires for the Contractor 12 months after the completion of work under the contract or expiry of defect liability period or last payment made under the contract, whichever is later and for all other bidders, 6 months after the Contract has been awarded.

If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this Integrity Pact as specified above, unless it is discharged/determined by the ADG/SDG, CPWD concerned.

Article 7- Other Provisions

1. This Integrity Pact is subject to Indian Law, place of performance and jurisdiction is the Head quarters of the Division of the Principal, who has floated the tender.
2. Changes and supplements as well as termination notice need to be made in writing.
3. If the Contractor is a partnership or a consortium, this Integrity Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Integrity Pact must be signed by a representative duly authorized by board resolution.
4. Should one of several provisions of this Integrity Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Pact, any action taken by the Principal in accordance with this Integrity Pact or interpretation thereof shall not be subject to arbitration.
6. In view of the nature of integrity pact, the Integrity Pact is irrevocable and shall remain valid even if the main tender/contract is terminated till the currency of the integrity pact.

Article 8- Legal and Prior Rights

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contract documents with regard to any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal)

(For and on behalf of Bidder/Contractor)

WITNESSES:

1

(Signature, name and address)

2

(Signature, name and address)

Place:

Dated :

Note: To be signed by the Bidder and the Engineer-in-Charge



ANNEXURE-V

**EQUIPMENTS SCHEDULE FOR 500 KVA DG SET
TECHNICAL DETAILS**

Description as per NIT			Detail to be furnished by the Manufacturer/Bidder
Brand Type	Registered Brand		
Technical Specifications	<u>As per GeM Category Specification</u>		
Specification	Specification Name	Bid Requirement (Allowed Values)	
POWER GENERATOR INSTALLATION CONFIGURATIONS	Power Generator installation configurations as defined in CPWD General Specifications for Electrical works - Part VII (DG Set)	Fixed (Power Generators are permanently installed)"	
OUTPUT CAPACITY RATING/ PHASE	Rated Capacity (kVA)	500	
	No of Phase (Single Phase-3- 5kVA) (Single Phase or Three Phase-5 & 7-5, 10,15, 20, 25, 30 & 40 kVA) (Three Phase-50 to 900 kVA)	Three Phase	
ENGINE	Make of Engine*	As per Manufacturer	
	Model Number of Engine*	As per Manufacturer	
	Capacity of Engine (cc)*	As per Manufacturer	
	Rated Engine Power (kWm)	110 % of the required powered at STP(Standard Temperature Pressure) i.e equal to (Nominal	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document))

		Rated Capacity (KVA) of power generator Any Auxiliary power Consumption by the Power generator) x Power factor(0.8) / Alternator efficiency Or higher	
	Type of Engine cooling	Liquid Cooled	
	Type of governor	Electronic	
	Number of cylinders (nos)	6 or Above	
	No of Strokes (nos)*	4	
	Rated RPM of Engine (RPM)	1500	
	Fuel	High Speed Diesel (HSD)	
	Overload capacity*	Engine is capable of delivering an output of 10% in excess of rated KVA for a period of one hour in any period of 12 hours continuous running	
	Starting voltage (volt)	24	
	Salient Features of Engine	Turbo Charged Engine, Direct injection Fuel System	
GOVERNING CLASS	Class of governor	A2 or better	
	"Maximum Change of Speed as a Percentage of Rated Speed on suddenly taking-off the rated load(Transient) "	15	
	"Maximum Recovery Time in Seconds on suddenly taking-off the rated load(Transient) "	15 second	
	Maximum Change of Speed as a Percentage of Rated Speed on suddenly taking-off	5	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

	the rated load(Permanent)		
	"Maximum Change of Speed as a Percentage of Rated Speed On a change of load, both on and off, by all steps of 25 percent of the rated load (Transient) "	4	
	"Maximum Recovery Time in Seconds on a change of load, both on and off, by all steps of 25 percent of the rated load(Transient) "	5 second	
	"Maximum Change of Speed as a Percentage of Rated Speed On a change of load, both on and off, by all steps of 25 percent of the rated load (Permanent)	1.5	
ALTERNATOR	AC GENERATOR (ALTERNATOR) Make	As per Manufacturer	
	AC GENERATOR (ALTERNATOR) model Number	As per Manufacturer	
	Alternator Voltage Rating	415	
	Rating of AC Generator (KVA)*	500	
	Power Factor of AC generator*	0.8	
	Efficiency at rated Power factor at 75% of full Load	94.5 - 100.0 Or higher (percent)	
	Conformity to Indian Standard (for Alternator)	Generally conforming to IS:13364 (Part-2) latest (Above 20 KVA)	
	Type of alternator*	Brushless	
	Voltage Regulation	VG 3 Or higher	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document))

CONTROL PANEL	Grade		
	Alternator IP Rating	IP 23 Or higher	
	Class of Insulation*	H	
	Salient features of Alternator*	Resistance Temperature Detectors (RTD)/ Bearing Temperature Detectors (BTD)/ space heater/NA	
	Control Panel	AMF Control Panel	
	Control Panel Location	Outside the Canopy	
	IP Rating of Control Panel	IP 55 Or higher	
	Display meters in the control panel (with appropriate rating and accuracy class) - inclusive in the scope of supply	Voltmeter, Ammeter, Frequency meter, Power Factor meter Multifunctional Digital display meter (displaying Voltage, Current, Frequency, Power Factor)	
	Other devices in the control panel (with appropriate rating) - inclusive in the scope of supply	Required switches and cutout, MCB, MCCB, Contactor, Circuit breaker, Battery charger remote monitoring over internet with GSM modem.	
	Displayed parameters/Features	Engine Speed, Lube oil pressure, Coolant/cylinder head Temperature, Engine running hours, Engine battery voltage, Engine Running status, Generator Voltage (Ph-Ph), Generator Voltage (Ph-N), Generator Current (R, Y, B), Generator apparent Power (kVA), Generator active Power (kW), Powerfactor, Frequency, Fuel level, Event log,	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

		Control supply Voltage Temperature scanner (RTD,BTD)	
	Indicators	Low Lube oil pressure, High water / coolant / cylinder head temperature, Low fuel level, Over speed	
	Audio Alarm	Low Lube oil pressure, High water / coolant / cylinder head temperature, Low fuel level, Over speed	
ACOUSTIC ENCLOSURE	Acoustic Enclosure (inclusive in the scope of supply)*	Yes power generator supplied with Acoustic Enclosure	
	Sheet Thickness(mm)	1.6, 1.8, 2 Or higher	
	Thickness of insulation	100.0 - 120.0 Or higher	
	Density of insulation (kg/cubic m)	100.0 Or higher	
	Noise level at 1 meter (dB)	75	
Fuel Tank	Fuel Tank Capacity	As per Manufacturer	
	Number of Fuel tank	1	
	Fuel Tank Sheet Material Thickness(mm)	2, 3 Or higher	
	Fuel Tank Features	Fuel Tank capacity is sufficient for 8 hrs of running at full load	
BATTERY	Battery Type & Specification	"Low Maintenance free to IS: 14257 for high cranking performance"	
	Battery capacity (Ah)	180	
	No of batteries	2	
SALIENT FEATURES	Salient Features of Power Generator	Glass window on Accoustic Enclosure in front of the Control Panel	
		Emergency Stop outside the Accoustic Enclosure	
TRAILER	Trailer	NA for Fixed/Skid Mounted Power	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

		Generator	
General Technical Requirements (GTR) / Commissioning			
	General Technical Requirements (GTR) / Commissioning(Part- 1)*	a) Power Generator shall be complete with Diesel Engine, Alternator and AMF/MANUAL Control Panel along with Acoustic Enclosure. Diesel engine and alternator shall be closely coupled or provided with flexible coupling and mounted on a base plate / M.S. frame of robust in construction.	
	General Technical Requirements (GTR) / Commissioning(Part- 2)*	b) Anti-Vibration mountings shall be provided for complete Power Generator in case of flexible coupling. In case of direct coupling Anti-Vibration mountings shall be provided for the Engine as well as the alternator.	
	General Technical Requirements (GTR) / Commissioning(Part- 3)*	c) Power Generator should have protection against under voltage, over voltage, under frequency, over frequency, low battery voltage, over current, earth-fault, short circuit, phase sequence change etc.	
	General Technical Requirements (GTR) / Commissioning(Part- 4)*	d) Automatic Mains Failure (AMF) control panel, where applicable, shall be able to start up the Power Generator and	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA) WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH SECTOR 42-D, CHANDIGARH (Bid Document)

		transfer the load on to the Power Generator on mains failure without requiring any human intervention. Similarly on restoration of mains supply, it shall be able to transfer the load to mains supply and switch off the Power Generator automatically.	
	General Technical Requirements (GTR) / Commissioning(Part-5)*	e) Control Panel (Manual / AMF), where applicable, shall be equipped with suitable Voltmeter, Ammeter, Frequency meter, power factor meter (these items can be alternatively supplied in one multifunctional digital display meter), battery charger, indicators, various switches and cutout / MCB / MCCB / Contactor / Circuit breaker for the DG output of appropriate rating and accuracy class as per trade practice for better utility.	
	General Technical Requirements (GTR) / Commissioning(Part-6)*	f) Supply and installation of a change-over Switch / MCCB of suitable rating for Power Generator with manual control panel, where applicable, is inclusive in the scope of supply.	
	General Technical Requirements (GTR) / Commissioning(Part-7)*	g) Acoustic Enclosure shall be made of Pre-treated and Powder coated CRCA Sheet. The sheet shall be Pre-treated and Powder coated with weather-proof paint. The Acoustic Enclosure shall	

		be vermin proof. The enclosure shall accommodate the (daily service) fuel tank of the Power Generator to make the system compact.	
	General Technical Requirements (GTR) / Commissioning(Part-8)*	h) Power Generators shall meet the requirements of Environmental (Protection) Rules 1986 as laid down by Min. of Environment & Forests read with GSR 371 (E) dated 17.5.2002,GSR 520(E)dated 1.7.2003 , No.448 (E)dated 12.07.2004 , GSR 771(E) dated 11.12.2013 GSR 232(E)dated 31.03.2014,Gazette Notification No.167 dated. 31.03.2014 and Gazette Notification No. 578 dated. 11.11.2014 in respect of noise and emission norms. The latest amendments to above GSRs shall be applicable as and when amended by Ministry of Environment and Forest.	
	General Technical Requirements (GTR) / Commissioning(Part-9)*	i) Standard set of tools consisting of a set of 3 spanners, one screw driver, one standard plier and one nose plier of appropriate size shall be provided along with each Power Generator.	
	General Technical Requirements (GTR) / Commissioning(Part-10)*	j) Supply of Fuel tank of suitable capacity, sufficient for minimum 8 hours running/990 liters(whichever is	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

		lower) the Power Generator, is inclusive in the scope of supply. Fuel Tank shall be complete with fuel piping (between fuel tank and diesel engine), valves, level indications and all standard accessories. MS pipes, heavy class of suitable dia conforming to IS 1239 (Part-1) - latest shall be used for fuel piping.	
	General Technical Requirements (GTR) / Commissioning(Part-11)*	Buyer's Responsibilities: i. Mains ACB for AMF operation shall be provided by the buyer for DG set rating above 600 KVA and above .For DG set other ratings seller shall provide mains and DG contactor/breaker, ii. Exhaust piping, extra civil work, distribution board shall be provided by the buyer. iii. Consumables such as filters, lube oil at the time of servicing during warranty period shall be provided by the buyer. iv. Obtaining necessary approvals, if any, is the responsibility of the buyer.	
	Above General Technical Requirements (GTR) / Commissioning have been seen, read, understood and agreed to comply*	YES	
SCOPE OF INSTALLATION	Installation	with installation - inclusive in the scope of supply	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

	Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply(Part-1)	a) Installation of Power Generator when offered by the vendor is inclusive in the scope of supply and shall be done by the seller. The installation work of Power Generator and its constituent parts shall be generally conforming to CPWD General Specification for Electrical Works, Part - VII - latest. b) Foundation shall be constructed by the seller. Foundation shall be of PCC type with the ratio of 4:2:1. The length and breadth of the foundation shall be 300 mm more from the respective length and breadth of the Power Generator. The height of the foundation shall be 400 mm, i.e., 200 mm below and 200 mm above the ground level. All the materials / labour required for foundation work shall be supplied by the seller.	
	Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply(Part-2)	c) Supply, laying and termination of interconnecting power and control cable shall be done by the seller. The cable supplied shall be ISI marked heavy duty PVC insulated, armoured cable, with PVC outer Sheath of Type ST-2 (FR Grade, Category C1), with aluminium conductor having insulation of PVC compound type -C,	



**CHANDIGARH
HOUSING BOARD**
A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document))

		<p>suitable for rated voltage upto and including 1100 volts and conforming to IS: 1554 (Part- 1) latest. For 3-Phase Power Generators, 3.5 core or higher core cables shall be used. Total length of the cable supplied by the seller shall be within 30 meters for each Power Generator with manual control panel and within 60 metres for each Power Generator with AMF control panel. The current rating of the cables shall be as indicated below: 2C, 6 Sq mm for Single Phase, 3.5 & 5.0 KVA 2C, 10 Sq mm for Single Phase, 7.5 & 10 KVA 2C, 25 Sq mm for Single Phase, 15 KVA 2C, 35 Sq mm for Single Phase, 20 KVA 2C, 70Sq mm for Single Phase, 25 KVA 2C, 95Sq mm for Single Phase, 30 KVA 2C, 120Sq mm for Single Phase, 40 KVA 4C, 4 Sq mm for Three Phase.</p>	
	<p>Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply(Part-3)</p>	<p>d) 10 KVA 4C, 6 Sq mm for Three Phase, 15 KVA 4C, 10 Sq mm for Three Phase, 20 & 25 KVA 4C, 16 Sq mm for Three Phase, 30 KVA 3.5C, 25 Sq mm for Three Phase, 40 KVA 3.5C, 35 Sq mm for Three Phase, 50 KVA 3.5C, 70 Sq mm for Three Phase, 62.5 & 75 KVA 3.5C, 95 Sq mm</p>	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

		for Three Phase, 82.5 KVA 3.5C, 120 Sq mm for Three Phase, 100 KVA 3.5C, 185 Sq mm for Three Phase, 125 KVA 3.5C, 300 Sq mm for Three Phase, 160 KVA 3.5C, 2 Run of 120 Sq mm for Three Phase, 180 KVA 3.5C, 2 Run of 150 Sq mm for Three Phase, 200 KVA 3.5C, 2 Run of 185 Sq mm for Three Phase, 225 KVA 3.5C, 2 Run of 240 Sq mm for Three Phase, 250 & 275 KVA 3.5C, 3 Run of 185 Sq mm for Three Phase, 320 KVA 3.5C, 3 Run of 240 Sq mm for Three Phase, 380 & 400 KVA 3.5C, 4 Run of 240 Sq mm for Three Phase, 500, 600 & 750 KVA 3.5C, 6 Run of 240 Sq mm for Three Phase, 900 KVA	
	Scope of installation for Diesel Generating Set when offered by the vendor - inclusive in the scope of supply(Part-4)	e) Construction of suitable earthing station and necessary connections shall be done by the seller. All the materials / labour required for construction of earthing station shall be supplied by the seller. The total number of earthing pits/stations shall be 4, i.e., 2 for neutral and 2 for body- earthing. Netutral earthing shall be done with copper Plate and Body earthing shall be done with G.I. plate / Copper. The consignee should choose	



		installation site in such a way that the earthing stations can be made within 10 metres of the Power Generator. Earthing station shall be typically constructed as per prevalent standard practices and shall be generally conforming to CPWD General specification for Electrical Works, Part - VII & Part - I - latest. e) Installation of Fuel Tank including foundation / stand shall be done by the seller. f) The warranty is applicable upto specified value of month/hours whichever occurs first's.	
	Above Scope of installation for Diesel Generating Set when offered by the vendor has been seen, read, understood and agreed to comply	Yes	
WARRANTY/ SERVICE S	Warranty on Complete power generator/DG Set	24	
	Warranty in running hours	5000.0 - 5000.0 Or higher	
	Number of preventive maintenance visits offered in an year during warranty period (Supply of all consumables is the buyer's responsibility)*	2	
	Response Time to attend the complaint during Warranty*	3Days	
	Time Duration for	2 Days	



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

	Repairing /Replace the defect during Warranty*		
TEST REPORTS	Type of lab which carried out Test of Complete Product to prove the conformity of product as per specification	Certificates required as per CPCB, Govt Lab, NABL accredited lab	
	Test report Available for (Test/approval)	Type Approval Certificate for the specified rating of the Power Generator from any of the designated agency authorized by CPCB, COP Certificate for engine, Type test report for Alternator as per IS:13364 (Part-1) latest / IS:13364 (Part-2) latest to prove conformity to the specifications	
	Agree to provide all relevant documents Test Report/supporting document /reports etc to the buyer at the time of bidding or on demand	YES	
Additional Specification Parameters - Power Generator-DG Set (500 KVA) (1 No.)			
	Specification Parameter Name	Bid Requirement (Allowed Values)	
	Input and Output cable (with appropriate rating)	Approximate 100 meters from the place of the generator on some sites.	
	Earthing for DG set	Suitable earthing points for neutral and body earthing. (minimum 4 Nos)	
	Other devices in the control panel (with appropriate rating) - inclusive in the scope of supply	Circuit breakers, switches, contactors, and battery charger suitable for the generators.	

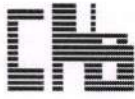


CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

	Providing and fixing exhaust pipe	5 meter long, 200 mm dia mild steel 2mm thick exhaust pipe complete with fittings, supports etc.,	
	Providing and fixing stainless steel flanged expansion bellows heavy duty	1 No. Stainless steel flanged expansion bellows for DG exhaust piping complete with GI nut bolt washers etc. as required. Size 150mm dia.	
	Providing & fixing for MS support structure for exhaust fume pipes from DG Sets	MS support structure for exhaust fume pipes from DG Sets horizontal and vertical runs upto the height (as per CPCB norms) including cutting, welding etc and applying two coats of red oxide and two coats of synthetic enamelled paint of colour and shade as required. The design of the support structure shall be done by the contractor and shall be as per CPCB norms	
	Disconnecting and shifting of old D.G. Set 500 KVA and AMF panel	1 no.	
	Fire Sand Bucket With Stand	1 No. Set of 4 Nos. 9.0 Litre capacity GI bucket painted in post office red colour with primer coat of red-oxide paint and written with white paint 'FIRE' and mounted on MS angle iron frame with bracket of appropriate size & capacity including sand filling etc.,	



Additional scope of work Specification Parameters - Power Generator-DG Set (500 KVA)

1. Disconnecting, Dismantling and shifting of existing (old) D.G. Set 500 KVA and AMF panel complete with loading, unloading at suitable location within the campus by arranging requisite manpower, Tools & Plant etc. complete as required.
2. Supply & Installation 1 No Fire Sand Bucket Set of 4 Nos 9 Litre capacity with Stand. GI bucket painted in post office RED colour with primer coat of red-oxide paint and written with white paint 'FIRE' and mounted on MS angle iron frame with bracket of appropriate size & capacity including sand filling etc.
3. Providing and fixing exhaust pipe 5 meter long, 200 mm dia mild steel 2mm thick exhaust pipe complete with fittings, supports etc.
4. Providing and fixing stainless steel flanged expansion bellows heavy duty One No. Stainless steel flanged expansion bellows Size 150mm dia for DG exhaust piping complete with GI nut bolt washers etc. as required.
5. Providing & fixing for MS support structure for exhaust fume pipes from DG Sets MS support structure for exhaust fume pipes from DG Sets horizontal and vertical runs upto the height (as per CPCB norms) including cutting, welding etc and applying two coats of red oxide and two coats of synthetic enameled paint of colour and shade as required. The design of the support structure shall be done by the contractor and shall be as per CPCB norms
6. Makes of engine, alternator and AMF panel of specified makes are procured from OEM/ OEA only.
7. At the time of submission of tender document the contractor is to submit:
8. Written commitment from OEM/OEA to supply the DG Sets and delivery schedule as per requirement of department.
9. Certificate from OEM/OEA or authorized service provider of engine manufacturer for satisfactory installation and commissioning of DG Set after completion of the work.
10. Required Guarantee of DG Set from OEM/OEA in favour of Engineer-in-Charge to cover defect liabilities.
11. An undertaking that mandatory free service is carried out during the guarantee period by the authorized service provider of engine manufacturer.
12. Copies of all documents of routine and type test certificates of the equipment, carried out at the manufacturers premises shall be furnished to the Engineer-in-charge and consignee.



13. Two sets of the following laminated drawings shall be submitted by the contractor while handing over the installation to the Department. One set shall be laminated on a hard base for display base for display in the DG set room/room where AMF panel is installed and another set shall be displayed in Control room;
- (a) DG set installation drawings giving complete details of all the equipments, including their foundations.
 - (b) Line diagram and layout of all electrical control/AMF panels giving switchgear ratings and their disposition, cable feeder sizes and their layout.
 - (c) Control wiring drawings with all control components and sequence of operations to explain the operations of control circuits in AMF panel/PCC
 - (d) Manufacturer's technical catalogues of all equipments and accessories.
 - (e) Operation and maintenance manual of all major equipments, detailing all adjustments, operation and maintenance procedure.
14. The tendered cost of the equipment and accessories listed in the schedule as per detailed specification shall include the following:-
- Cost of material/ equipment.
 - All charges for container and packing.
 - All charges necessary to effect delivery of material/ equipments and other T&P items at site including leading of equipment.
 - All charges such as freights, insurances, customs clearing etc.
 - GST for material and installation.
15. Execution charges in respect of all items including minor, civil work, making, repairs and furnishing to the entire satisfaction of the Engineer-in-Charge.
16. Testing in factory or site for tests an equipment and accessories and commissioning charges. The charges for the type retune facts equipment and accessories shall be borne by the contractor.
17. All charges for arranging Water & Electricity required for installation.
18. All charges for storage at site till installation and commissioning.
19. Any item required for completion of the work/job but left inadvertently shall be executed with in the quoted rates.
20. All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:

- (i) Factories Act.
 - (ii) Indian Electricity Rules.
 - (iii) IS & BS Standards as applicable.
 - (iv) Workmen's compensation Act.
 - (v) Statutory norms prescribed by local bodies
21. Training : The scope of works includes on job technical training of two persons at site. Nothing extra shall be payable on this account.
22. Maintenance: Sufficient trained and experienced staff shall be made available to meet any exigency of work during the guarantee period of ~~one~~ ^{two} year from the handing over of the installation.
23. Unless otherwise mentioned in the tender documents, the following works shall be done by the contractor and therefore, their cost shall be deemed to be included in their tendered cost whether specifically indicated in the schedule of work or not:-
- Foundations for equipments including vibration isolation springs/ pads.
 - Making good all damages caused to the structure during installation and restoring the same to their original finish.
 - Minor building works necessary for installation of equipments, foundation trench for fuel line & cable, making of opening in walls or in floors and restoring them to their original condition/ finish and necessary grouting etc. as required.
 - All supports for exhaust & water pipes, chimney, bus trunking (if included in scope of contract), cables, anti-vibration pads etc. as are necessary.
 - All electrical work and neutral earthing, body earthing, required for engine & alternator, main board/ control panels, and control wiring including loop earthing, if specified in Schedule of work.
 - All pipes, bus trunking and/ or cable connections.
 - POL i.e. HSD oil and lub. Oil shall be arranged by the contractor for testing & commissioning, for diesel engine for 12 hours i/c 1hr of 10% overloading at OEA/ OEM works and also for trial run of 4 Hrs. at site at available load.
 - Painting of all exposed metal surfaces of equipments and components with appropriate colour.
24. Clearance/ Approval of the complete installation from CPCB/ State Pollution Control Board, Central Electricity Authority (CEA)/ Local Bodies and other licensing authorities, wherever required.



25. Full set of tools of required for maintenance of lifts shall be provided by contractor.
26. The Entire electrical installation shall be done in accordance with the Indian Electricity Act 2003, Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations 2010 as amended to-date.
27. AFTER SALES SERVICES :The contractor shall ensure adequate and prompt after sales service free of cost during guarantee period, and against payment after the guarantee period is over, in the form of maintenance, spares and personnel as and when required during normal life span of the equipments and shall minimize the breakdown period. In case of equipment supplied by other manufacturers the firm shall furnish a guarantee from the manufacturer for the same before the DG Set installation is taken over.
28. Following preferred make of items shall be used under this contract:-

S.No.	Item/ Description	Approved Make
1	Diesel Engine	Cummins,Caterpillar,MTU & Kirloskar
2	Alternator	Stamford,Marthon,Leroy Somer, Crompton & Kirloskar
3	Battery	Exide ,Luminous ,Tata Power ,Okaya

Note:-Bidders offering must also comply with the additional specification parameters mentioned above

NOTE:-	DG set:
	(a) Makes of engine, alternator and AMF panel of specified makes are procured from OEM/ OEA only.
	(c) At the time of submission of tender document the contractor is to submit:
	(i) Written commitment from OEM/OEA to supply the DG Sets and delivery schedule as per requirement of department.
	(ii) Certificate from OEM/OEA or authorized service provider of engine manufacturer for satisfactory installation and commissioning of DG Set after completion of the work.
	(iii) Required Guarantee of DG Set from OEM/OEA in favour of Engineer-in-Charge to cover defect liabilities.
	(iv) An undertaking that mandatory free service is carried out during the guarantee period by the authorized service provider of engine manufacturer.

Date:

Signature of Bidder/tenderer (Seal)

EE-V(Elect.)

Detail of Bidder

1)	Name & Address of the bidder	:	
2)	Phone	:	
3)	E-mail	:	
4)	Contact person name	:	
5)	Mobile number	:	
6)	GST No.	:	
7)	TIN number	:	
8)	PAN number	:	
BANK DETAILS			
9)	Bank name	:	
10)	Branch address	:	
11)	Branch telephone no.	:	
12)	MICR Code of the bank	:	
13)	IFSC code	:	
14)	Bank Account no.	:	
15)	Type of account	:	

Date:

Signature of Bidder/tenderer (Seal)



LIST OF RELEVANT INDIAN / INTERNATIONAL STANDARDS

[A]	GENERATING SET	
ISO 8528	Part – I	Application, rating and performances
	Part – II	Engines
	Part – III	AC Generator for generating set
	Part – IV	Control gear & switch gear
	Part – V	Generating sets
	Part – VI	Test method
	Part – VII	Technical declaration for specification & design
	Part – VIII	Low power general purpose generating sets
	Part – IX	Measurement and evaluation of mechanical vibration
	Part – X	Measurement of Airborne Noise – Enveloping surface method
	Part – XI	Security generating sets with uninterruptible power system
[B]	ENGINE	
ISO 10000 [Naturally aspirated]	Part – I 1980	Methods of tests for I.C. Engines Part – I – Glossary of terms relating of test method
	Part – II 1980	Standard reference condition
	Part – III 1980	Measurements for testing units and limits of accuracy
	Part – IV 1980	Declaration of power, efficiency, fuel consumption, lubricating oil consumption
	Part – V	Preparation for tests and measurement of wear
	Part – VI	Recording of test results
	Part – VII	Governing test for constant speed engines and selection of engines for use with electrical generators
	Part – VIII	Performance tests
	Part – IX	Endurance test



CHANDIGARH HOUSING BOARD

A CHANDIGARH ADMINISTRATION UNDERTAKING

REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA)
WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL
CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH
SECTOR 42-D, CHANDIGARH (Bid Document)

	Part – X	Tests for smoke level, limit and correction for smoke level for variable speed
	Part – XI	Information to be supplied by the purchaser to the manufacturer and information to be supplied by the manufacturer alongwith the engine
	Part – XII	Specimen test certificates
	Part – XIII	Recommendations on nature of tests required for functional changes in critical components
BS 5514	Part 5 – 1979	Reciprocating Internal Combustion Engines
ISO 3046	Part V 2001	Performance, torsional vibrations
	Part – I 2002	Declaration of powers, fuel and lubrication oil consumption
	Part – 3 – 1989	Test measurement
	Part – 4 -1997	Speed Governing
	Part – 6 – 1990	Overspeed protection
BS 649		Reciprocating internal combustion engines, performance, torsional vibrations
[C]	ALTERNATOR	
	IS 4889 / BS - 269	For declaring efficiency of electrical machines
	IS 4722 – 1992	Capability of machine to withstand over current / overload
IS – 13364	Part I 1992	Alternator – voltage regulation upto 20 KVA
IS – 13364	Part II 1992	Alternator – voltage regulation above 20 KVA to 80 KVA
	IEC 34 – 1 – 1983	Rotating electrical machines rating and performance
IP – 21	IS – 4691/85	Alternator [degree of protection]
[D]	ACOUSTIC ENCLOSURE	
	IS – 8183	Insulation material for sound absorption
ISO 3744	1998 [E]	Acoustics – determination of sound power levels of noise sources

ISO 8528	Part – 10 1998 [E]	Measurement of air-borne noise by enveloping surface method
ISO 9614	1993 Part – I	Requirement of grade – II, accuracy for insulation
ISO 9614	1993 Part – II	Requirement of grade – II, accuracy for insulation
[E]	CONTROL PANEL / AMF PANEL	
	IS – 2147 1962	Degree of protection
	IS – 4722	HV testing for panel



FORMAT OF INDEMNITY BOND.

(To be furnished in Stamp paper as per Stamp Act)

(At presents not less than Rs.80/-Stamp paper)

This deed of indemnity executed by hereinafter referred to as Indemnifier which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, representative and assignees in favour of Chandigarh Housing Board, hereinafter to as the indemnified which expression shall unless repugnant to the context of meaning thereof, include its successors and assignees witness us to.

Whereas the indemnified herein has awarded to the Indemnifier therein a contract for the REPLACEMENT OF OLD DIESEL GENERATOR SET (500 KVA) WITH NEW DIESEL GENERATOR SET OF 500 KVA AT HOTEL CHANDIGARH BECKONS (A UNIT OF CIHM, CHANDIGARH SECTOR 42-D, CHANDIGARH terms and conditions set out interalia in contract/Award No. _____ valued at Rs. _____ only)

And whereas the above mentioned contract provides for ' _____ ' as per terms & conditions of the contract.

The indemnifier hereby irrevocably agrees to indemnify the indemnified that he shall be liable for and shall also indemnify the CHB and its employees against all liabilities, losses, claims, demands, proceeding, damages, costs, charges and expenses and further agrees to defend, indemnify and hold the Board and its employees harmless from any penalty whatsoever in respect of any injury or damage to any property of to personals during the execution of work or by the action of any central or state of local authority for violation by the contractor or sub-contractor engaged on the work in respect of his contractual obligations emanated from the contract already referred to the extent of Rs. _____/- Rupees _____ only)

This indemnity shall be in force up to the date of the item from our end.

Name

Designation

WITNESS:

1.

2

Annexure 'A'

(To be executed On Judicial Stamp paper worth Rs.100/- between Contractor, Manufacturer & Engineer-in-charge of the work)

GUARANTEE BOND

This agreement made this ____ day of ____ between M/s. ____ & M/s. ____ (hereinafter called the Guarantors which expression shall include where the context so admits the representative successors or his/its assignees of the one part) and the Engineer-in-charge on behalf of Chandigarh Housing Board, Chandigarh constituted under Section -III of the Haryana Housing Board Act, 1971 as extended to the Union Territory, Chandigarh having its principal office at 8 Jan Marg, Sector 9-D, Chandigarh (hereinafter called the Board which expression shall unless repugnant to the context or meaning thereof including its successor and assignees of the other part).

Whereas this agreement is supplementary to the contract (hereinafter called the Sub Contract) dated----- made between the Guarantors of the one part and Board of the other part, whereby the contractor & manufacturer, inter alia, undertook to ensure defect free working of all the lifts conforming to the prescribed specifications. Wherein, the material in question has been used in Two Bed Room Flats in Sector 51 A, Chandigarh (Location) during the period between ____ to ____ at the site of work in **Hotel Chandigarh Beckons, Sector 42-D, Chandigarh.**

And whereas the Guarantors agreed to give a guarantee to the effect that DG set & AMF Panel will remain **defect free for the next Two Year** to be reckoned from the date of completion of the work under the contract Agreement No. ____ dated _____. During this period of guarantee the Guarantor shall replace all defective parts of the lifts at his risk and cost to the satisfaction of the Engineer-in-charge, and shall commence the works of such rectification **within 24 hours** from the receipt of complaint. If the firm fails to rectify the defects, with in ten days the work shall be got done by the Department by some other Contractor/manufacturer at the Guarantor's risk and cost, and in the later case the decision of the Engineer-in-charge as to the cost recoverable from the Guarantor shall be final and binding. The guarantee period shall also be extended accordingly considering the delay in rectification of fault and recovery of lift.

That if the Guarantor fails to provide replacement of defective parts of the lifts or commits breaches hereunder then the Guarantor will indemnify principal and his successors against all loss, damage, cost, expense or otherwise which may be incurred by him by reason of any default on the part of the Guarantor in performance and observance of this supplemental agreement. As to the amount of loss and/or damage and/or cost incurred by the Chandigarh Housing Board, the decision of the Engineer-in-charge will be final and binding on the parties. In case of failure to replace the defective material, in addition to the recovery, stated here, the Guarantors and the Contractor shall be black listed.

In witness whereof these presents have been executed by the Obligor _____ and by _____ for and on behalf of the Chairman, CHB on the day, month and year first above written.

Signed, sealed and delivered by OBLIGOR in the presence of

1. (Contractor)

2. (Manufacturer)

Signed for and on behalf of The Chairman, CHB by EE-V(Elect.) CHB in the presence of.

1.

2.

Note: - This Guarantee Bond shall be signed by the manufacturers individually, if the **manufacturers of _____ are different agencies.

**Original Equipment Manufacturer (OEM)
Authorization Letter**

To

The Executive Engineer-V(Elect.),
Chandigarh Housing Board,
Chandigarh

Subject: OEM Authorization Certificate- REPLACEMENT OF OLD DIESEL
GENERATOR SET (500 KVA) WITH NEW DIESEL GENERATOR SET OF
500 KVA AT HOTEL CHANDIGARH BECKONS (A UNIT OF CIHM,
CHANDIGARH SECTOR 42-D, CHANDIGARH

Dear Sir,

We manufacturers of DG Set at (Name and address of company)
_____ do hereby extend our full unconditionally support
technically throughout the execution of contract as well as for Maintenance/
Comprehensive Maintenance Contract to M/s _____ (Name
and address of Agent/Dealers) and we guarantee to provides all the spares required for
healthy functioning of the equipment for at least seven years from the date of supply of
equipment and services offered by the above firm

Yours
faithfully,
(Name)
(Name of manufactures)

(seal)

Date

Note: This letter of authority should be on the letter head of the manufacturer and
should be signed by a person competent and having the power of attorney to bind the
manufacturer.

 EE-V(Elect.)