

TENDER

FOR

**SUPPLY, INSTALLATION, RUNNING AND
MAINTENANCE OF DIESEL GENERATOR
(DG) SETS OF VARIOUS CAPACITIES ON
CENTRALIZED HIRING CONTRACT FOR
PNB OFFICES/ BRANCHES UNDER
NOIDA CIRCLE, U.P.**

GSAD, HEAD OFFICE,
PUNJAB NATIONAL BANK
PLOT NO 4, SECTOR – 10,
DWARKA, NEW DELHI –110075.
TEL: (011) – 28075391, 28044402.
EMAIL: lalitkumar@pnb.co.in;
saikrishna@pnb.co.in m.thiyagarajan@pnb.co.in

SUPPLY, INSTALLATION, RUNNING AND MAINTENANCE OF DIESEL GENERATOR (DG) SETS OF VARIOUS CAPACITIES ON CENTRALIZED HIRING CONTRACT FOR PNB OFFICES/ BRANCHES UNDER NOIDA CIRCLE, U.P.

INDEX

<u>S NO</u>	<u>DESCRIPTION</u>	<u>PAGE NO</u>
	<u>PART A – Technical Bid</u>	
1.	Bid Details	3
2.	Purpose of Tender	4
3.	Eligibility Criteria	5-6
4.	Notice Inviting Tender	7-8
5.	Letter Submitting Tender	9-10
6.	Appendix to Form of Tender	11
7.	General Conditions of Contract	12-22
8.	Instructions to Bidders	23-26
9.	Special Conditions of Contract	27-31
10.	Articles of Agreement	32-33
11.	Integrity Pact & Agreement	34-42
12.	Bidders Information	43
13.	Bidders Financial Information	44
14.	Compliance Statement	45
15.	Technical Specifications	46-50
16.	Details of DG sets to be installed	51-52
	<u>PART B – Commercial Bid</u>	
17.	Commercial Bid	53-55

1. Bid Details

1.	Tender Reference	HO/B&C/RCDG//01
2.	Date of commencement of Tender download	23.02.2018 from 1000 hrs
3.	Last date and time of acceptance of queries	03.03.2018 till 1700 hrs
4.	Date of pre-bid meeting	06.03.2018, 1130 hrs
5.	Last date and time downloading tender	19.03.2018 till 1500 hrs
6.	Bid preparation and Hash Submission	19.03.2018 till 1500 hrs
7.	Close for Technical and Commercial Bid	19.03.2018 from 1501 hrs to 1600 hrs
8.	Last Date for Bid Submission and re-encryption	19.03.2018 – 1601 Hrs to 20.03.2018 till 1400 hrs.
9.	EMD & Technical Bid opening	20.03.2018 from 1500 hrs
10.	Cost of Tender Document	Rs. 2,360/- (non refundable) in the form of Demand Draft in favour of Punjab National Bank.
11.	Earnest Money Deposit Amount	Rs. 1,00,000/- (Rupees One Lac only) in the form of Demand Draft in favour of Punjab National Bank. EMD should be submitted along with Technical Bid.
12.	Estimated Cost of Project	Rs. 80.34 Lacs (Rupees Eighty Lacs Thirty Four Thousand only) excluding GST per year.
13.	Place of opening of Bids	Punjab National Bank, Head Office, 1 st Floor, GSAD, Plot No 4, Sector -10, Dwarka, New Delhi 110075
14.	Contact Details	Chief Manager (C) Punjab National Bank, Head Office, 1 st Floor, GSAD, Plot No 4, Sector -10, Dwarka, New Delhi 110075 Ph: 28075391/ 28044402 Email: lalitkumar@pnb.co.in ; saikrishna@pnb.co.in m.thiyagarajan@pnb.co.in

Bank shall follow the e-procurement process. Complete details of requirements for participation in e-procurement process are available on the Website of Punjab National Bank <https://pnbindia.biz>. **It is mandatory for the bidder to get himself registered on bank's Website for submission of online bids.**

2. PURPOSE OF TENDER

Punjab National Bank is one of the largest public sector banks with more than 6800 Branches/Offices geographically located all across India. The Bank is fully computerized and networked in order to achieve the effective and efficient customer services and Back office operations. The Bank invites technically complete and commercially competitive proposals from reputed agency/ contractors for Supply, Installation, Running and Maintenance of Diesel Generator Sets of various capacities on hiring basis, in offices/ branches under Noida, U.P. Circle tentatively for the period May 18 – Apr 21.

<u>S No</u>	<u>DG Set Capacity</u>	<u>Tentative Requirement Qty</u>
1.	10 KVA	01
2.	12.5 KVA	01
3.	15 KVA	05
4.	20 KVA	09
5.	25 KVA	15
6.	30 KVA	06
7.	35 KVA	06
8.	40 KVA	14
9.	45 KVA	02
10.	62.5 KVA	05
11.	82.5 KVA	04
12.	100 KVA	01
13.	125 KVA	01

The above requirements are indicative and may vary as per actual needs. The payment for hiring charges will be done on actual basis as per actual installation.

3. Eligibility Criteria

- a. The Bidder should possess the requisite experience, resources and capabilities in providing the services necessary to meet the requirements, as described herein. The Bidder should also possess the technical know-how and the financial wherewithal that would be required to complete the scope of work. The Bid must be complete in all respects and should cover the entire scope of work as stipulated in the document. Bidders not meeting the Eligibility Criteria will not be considered for further evaluation.
- b. The bid is open to all experienced and reputed vendors/ dealers/ contractors proficient in the field of supplying, installing, running & maintaining of Silent Diesel Generators (outright/ hiring basis) of the brands approved herein the tender documents who fulfil the requisite eligibility.
- c. The proposal not complying with minimum eligibility criteria, as enumerated below, will be rejected summarily and will not be considered for evaluation of technical bid. The proposal should adhere to following eligibility criteria :

<u>S. No</u>	<u>Minimum Eligibility Criteria</u>
1.	The Bidder should be experienced and reputed vendor/ contractor of Diesel Generators of the brands approved herein the tender documents for a minimum period of 3 years as on 31 Jan 2018.
2.	<p>a. The bidder should have satisfactorily completed either of following (Sl i – iii) similar work order Rate Contract during last 7 (seven) years ending last day of the month of Jan 2018.</p> <p>i. One completed work costing not less than the amount equal to Rs 64,27,200/-</p> <p style="text-align: center;">OR</p> <p>ii. Two completed works costing each not less than the amount equal to Rs.40,17,000/-</p> <p style="text-align: center;">OR</p> <p>iii. Three completed works costing each not less than the amount equal to Rs Rs.32,13,600/-</p> <p><u>Similar Work for above:</u> Supply, Installation, Operation and Maintenance of DG sets on hiring basis under single agreement/ work order/ rate contract. In case of Rate Contract, the sum of works executed for a period of one year will be considered for value of work.</p> <p style="text-align: center;">OR</p> <p>b. Total value of works costing not less than the amount equal to</p>

	Rs.80,34,000/- . The similar works for this criteria shall be considered as the total value of works executed in single/ multiple work orders in last three years as on 31 Jan 18 for Supply, Installation, Operation and Maintenance of DG sets on hiring basis.
3.	The minimum average annual turnover of Bidder for the last three financial years i.e. 2014-15, 2015-16,2016-17 must not be less than Rs. 24,10,200/- Bidder has to upload audited Balance sheet and Profit & Loss statement details for these financial years.
4.	The bidder should not have been black-listed/ barred by any Public Sector Bank, RBI or IBA or any other Government/PSU agencies. An undertaking in this regard is to be submitted to Bank by Bidder.

- d. Bidder must submit documentary proof in respect of all above mentioned criteria while submitting the proposal. Proposal of vendor who do not fulfil the above criteria or who fail to submit documentary evidence thereon would be rejected.
- e. The Bidder has to upload scanned and legible copies of all the supporting documents on e-procurement Website of the bank i.e. <https://pnbindia.biz> for its scrutiny.
- f. The Bank reserves the right to independently verify the authenticity of the documents submitted/ claims made by the bidder, and may also ask for presenting the original copy of the submitted document(s). Further, on such verification, if it is found that the bidder has made false claims, submitted forged documents, etc., the bid shall be liable for outright rejection, notwithstanding other rights available under the tendered Terms and Conditions for taking actions against the bidder, as deemed fit by the Bank.
- g. The Bank reserves the right to seek for any additional information and also reserves the right to reject or accept the bid of a bidder, if in the opinion of Bank the qualification data is incomplete or the bidder is found not qualified to satisfactorily execute the requirements of the project and no communication shall be entertained in this regard in future.
- h. The bidder shall have to furnish an affidavit duly notarized as under :

"I/We undertake and confirm that eligible similar work(s) 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 Bank, then I/we shall be debarred for bidding in PNB in future forever. Also, if such violation comes to the notice of the Bank before date of start of work, the Bank shall be at liberty to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee."

4. Notice Inviting Tender

- a. Online tenders are invited on item rate basis on behalf of Punjab National Bank from experienced and reputed vendor/ contractor of Diesel Generators of the brands approved herein the tender documents, who fulfil the eligibility criteria mentioned in the tender documents for **Supply, Installation, Running and Maintenance of Diesel Generator (DG) Sets of Various Capacities on Centralized Hiring Contract for PNB Offices/ Branches under Noida Circle, U.P.** against Payment of Rs.2360/- (Rs.2,000/- + GST of 18%) (non refundable towards cost of tender), in two envelope system containing (1) Technical Bid (2) Commercial bid. Tender purchase fee of Rs. 2,360/- may be submitted in form of demand draft in a separate envelope with EMD. Commercial bid shall be submitted online.
- b. The Bidders intending to participate in this tender are required to get enrolled on the Bank's website i.e. www.pnbindia.biz. Enrolment on the above mentioned website is mandatory.
- c. As the bids of the Bidders have to be digitally signed by the Digital Certificate of the respective Bidder before submitting the bids online, the bidders are advised to obtain Digital Certificates in order to bid for the tender.
- d. The Tender Documents containing detailed terms & conditions can be downloaded online directly from the portal www.pnbindia.biz as per tender schedule attached and shall be submitted online.
- e. All the bidders are required to submit Demand Draft in favour of Punjab National Bank of Rs. 2,360/- towards the cost of tender document by **20.03.2018** till **14:00hrs**.
- f. Bidders may submit their queries regarding any technical clarification before 03.03.2018 up to 17:00Hrs. No queries shall be entertained after last dated fixed for acceptance of queries. A pre-bid meeting shall be held at HO PNB, GSAD, Sector - 10, Dwarka, New Delhi on 06.03.2018, 1130 hrs.
- g. Standardized documents may be downloaded from the "Corrigendum / Addendums" section of the abovementioned portal up to 1500 hrs on 13.03.2018 after clarification on queries.
- h. Based on the clarification of conditions by the Bank, the intending bidder will submit their unconditional acceptance on the prescribed format along with tender document.
- i. Commercial bid of only those bidders shall be opened who bring their tender in line with requirements of tender documents and are acceptable to the Bank and the bidder who do not submit the EMD in the form of Bank draft, their tenders will be summarily rejected.
- j. First E.M.D. Envelope will be opened, and if the hard copy of the same is received on time i.e. up to **14:00 hrs on 20.03.2018** only then technical bid will be

opened online. Hard copy i.e. the Demand Draft in favour of Punjab National Bank for an amount of Rs.1,00,000/- towards EMD is to be submitted physically by the bidder in the office of the Chief Manager (C), Punjab National Bank, Head Office, 1st Floor, 'A' Wing, GSAD, Plot No 4, Sector -10, Dwarka, New Delhi 110075.

k. The commercial bid of technically eligible bidder who meets the eligibility criteria stipulated in tender documents will be opened online in the presence of participated or representatives of participated bidders as per the schedule attached. Date for opening of commercial bids will be intimated later.

l. The Tenders shall be valid for a period of not less than 90 days after the date of opening of commercial bid online.

- Last date for downloading the tender document (as per tender schedule).
- Last date for Bid Preparation and Hash Submission (as per tender schedule).
- Last date for submission of bids on line and re-encryption (as per tender schedule).

Please note that bid preparation and hash submission are compulsory activities, failing which bidder will not be able to submit the bids online.

For any further information/ Queries Bidder may contact Chief Manager (C), Punjab National Bank, Head Office, 1st Floor, GSAD, Plot No 4, Sector -10, Dwarka, New Delhi 110075 Ph:011-28075391/ 28044402, email Id: lalitkumar@pnb.co.in saikrishna@pnb.co.in m.thiyagarajan@pnb.co.in. The Bank reserves the right to accept/reject any or all the offers submitted in response to this advertisement without assigning any reason whatsoever.

m. The Bank reserves the right to postpone or cancel the bidding process at any time at the sole discretion of the Bank without assigning any reason whatsoever.

n. The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tenders without assigning any reasons whatsoever.

o. Please note that, on tendering procedure through the electronic tendering system refer to the Instructions for using the Electronic Tendering System document available along with the tender documents on <https://www.pnbindia.biz>.

The e-tender should be submitted by bidder duly priced and also digitally signed. The Schedule of Quantities shall be filled in as follows:

p. The unit price of monthly rental rate per DG set, annual rate and total are to be filled by the bidder after calculation. In case of any error in calculation of annual rate & total rate, then unit price will be taken for determining the total rate.

Chief Manager (C)

5. **Letter Submitting Tender**

Chief Manager (C)
Punjab National Bank, Head Office,
1st Floor, GSAD, Plot No 4, Sector -10,
Dwarka, New Delhi 110075
Ph: 28075391/ 28044402

Reg: Supply, Installation, Running and Maintenance of Diesel Generator (DG) Sets of Various Capacity on Centralized Hiring Contract for PNB Offices/ Branches under Noida Circle, U.P.

Dear Sir,

1. Having examined the General Conditions of Contract, Special Conditions of Contract, Technical Specifications and Schedule of Quantities for the execution of the above named works, we offer to complete and maintain the whole of the said works in conformity with the said conditions of contract, specifications and schedule of quantities for the sum stated in schedule of quantities of this Tender Document or such other sum as may be ascertained in accordance with the said conditions of contract.
2. We undertake to complete and deliver the whole of the works comprised in the contract within the time stated in the appendix hereto.
3. We have independently considered the amount of liquidated damages shown in the Appendix to form of tender hereto and agree that it represents a fair estimate of the loss likely to be suffered, by you in the event of the works not being completed in time.
4. We agree to abide by this tender for the period of 90 days from opening of Commercial Bid or extension thereof as required by the PNB from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiry of that period.
5. We confirm that the period and rates as referred in the agreement or general conditions of contract are given or summarized in the appendix hereto, to which we give our consent and agree to abide by the same.
6. We understand that if our tender is accepted, we are to be jointly and severally responsible for the due performance of the contract.
7. We understand that you are not bound to accept the lowest or any tender you may receive and may reject all or any tender, accept or entrust the entire work to the Contractor without assigning any reason or giving any explanation whatsoever.

8. I/we have deposited Earnest Money Rs.1,00,000/- by demand draft which amount is not to bear any interest. I/we do hereby agree that this sum shall be forfeited by you in the event our tender is accepted and I/we fail to execute the contract when called upon to do so.

Dated this day of _____ 2018.

Signature _____ in the capacity of _____ duly authorized to sign

tenders for and on behalf of _____ .
(IN CAPITALS)

Tender submitted on _____ before _____ P.M.

6. Appendix to Form of Tender

1.	Period of Contract	Three Years, but, which shall be extended yearly/ annually based on the satisfactory performance of the successful bidder at 7% increment annually at same terms & conditions.
2.	Date of commencement	Energization of DG Set shall be completed within 45 days of instructions given by the Bank as per requirement after award of work.
3.	Liquidated Damages	The penalty will be the twice the rates quoted by the bidder in commercial bid. (Clause No.29 of GCC & Clause 13 of Annex I – Tech Specs)
4.	Initial Security Deposit	2% of the accepted value of the tender including the Earnest Money.
5.	Payment	Quoted fixed amount of rental plus fuel charges as per consumption shall be paid at the end of the period i.e. monthly. (Clause 30 of GCC).

7. GENERAL CONDITIONS OF CONTRACT (GCC)

Except where provided for in the description of the individual items in the Schedule of Quantities and in the specification & conditions laid down herein after, the work shall be carried as per standard specifications and under the directions of the PNB.

1. Interpretation

In construing these conditions, the specifications, the schedule of quantities, tender and agreement, the following words shall have the meaning herein assigned to them except where the subject of context otherwise requires :

- i. Employer: The term employer shall denote PNB/ Punjab National Bank with the Head Office, 1st floor, GSAD, Plot No 4, Sector – 10, Dwarka, New Delhi, 110075 and Noida Circle office located at C-13, 3rd Floor, Sector-1, Noida, Uttar Pradesh – 201301, and any of the PNB's employees or representative authorized to act on their behalf.
- ii. The Bank: The term Bank shall mean Punjab National Bank/ PNB.
- iii. The In charge: The term means any Staff (temporary or permanent) of the Bank deployed to look after the work.
- iv. Contractor/ Successful Bidder: The term Contractor shall mean, successful bidder M/S ----- (name and address of the Contractor) and his/their heirs, legal representatives assigns and successors.
- v. Site: The site shall mean the various sites i.e. offices/ branches of PNB where the DG Set(s) is/are to be placed.
- vi. Specifications: The work is to be carried out in accordance with Specifications, the Schedule of Quantities which may be supplied, or any other instruction, which may be given by the PNB during the execution of the work.
- vii. The Successful Bidder shall ask in writing for all clarifications in respect of Specifications and Schedule of Quantities or to additional instructions at least 10 days ahead from the time when it is required for implementations so that the PNB may be able to give decision thereon.
- viii. "The Work" shall mean the work or works to be executed or done under this contract.
- ix. "Act of Insolvency" shall mean any act as defined by Insolvency and Bankruptcy Code, 2016.

- x. "The Schedule of Quantities" shall mean the schedule of quantities as specified and forming part of this contract.
- xi. Order of precedence for any ambiguity in the schedule of quantities, general conditions, special conditions and specifications for the Contractor shall be as per the decision of the PNB and the same will be binding on the Contractor, and shall be read as under in the decreasing order of importance.
 - a. Schedule of Quantities.
 - b. Special Conditions.
 - c. General Conditions.
 - d. Standard (Technical) Specifications of Contract.
 - e. C.P.W.D specifications.
 - f. BEE Specifications/ Guidelines
 - g. Bureau of Indian Standards/ specifications.
 - h. State P.W.D/ General Engineering Practice.

Note: Any ambiguity observed shall be brought to the notice of PNB and be executed after obtaining approval from the PNB. In case of any ambiguity between the above, the most stringent will follow.

2. **Scope of Work**

2.1 The overall scope of the successful bidder includes complete works such as installation of D.G. sets, earthing work, integration with existing electric distribution system, electrical cabling works and associated Civil works, for integration as per the Technical Specifications listed at Annex-I at various offices/ branches of the Bank as per site conditions.

2.2 **Statutory Permissions and Safety Precautions**

(i) The approval/ clearance (as per prevailing guidelines) for the installation of DG sets from Central Pollution Control Board/ State Pollution Control Board/ Local Bodies/ State Electricity Authorities(SEB)/ other Licensing Authorities as required shall be obtained by the supplier/ contractor at own cost. It should be kept with the Branch.

(ii) Wherever applicable, the Electricity Tax for Generation of Energy based on number of units generated, should be paid by the contractor to the Concerned Energy Department/ Electrical Inspectorate, Electrical safety Department.

2.3 Presently, operation of DG sets in NCT of Delhi is banned by the Delhi Pollution Control Committee (DPCC) vide Notification dated 18.10.2017 up to 15.03.2018. Therefore, award and execution of the work shall be undertaken as per

orders issued by the UPPCB/ CPCB/NGT/ any other Govt body time to time in this regard.

3. Rates are to be quoted for running the D.G. Set monthly including rental charges for each rating of D.G. Set complete with all accessories on hire with operator if Auto Main Failure (AMF) is not fitted. In case of provision of AMF and if it becomes defective during operation, the defect shall be attended within 60 minutes of reporting.

4. The cost of fuel varies due to frequent variation in the fuel prices, duration & frequency of power interruptions in that area etc. Therefore the hiring charges for DG set (Fixed Charges) should be finalized without including the cost of fuel. The actual cost of the fuel procured for the DG sets will be reimbursed to the Contractor, who is providing/ operating the DG set.

5. The operator shall be provided by the supplier for DG Sets capacity above 75 KVA, should possess the requisite & valid electrical license, for running D.G. Set.

6. All cost for maintenance and servicing of the generator including the cost of spare parts and periodical replacement of lubricating oil are to be borne by the D.G. set contractor.

7. The D.G. Sets should be maintained properly to keep those in satisfactory running condition at all times for supplying emergency power for a load at least 90% of rated output of respective generators.

8. The arrangements for providing exhaust pipeline of the D.G. Set, as per requirement & specification of Statutory Authorities, will be made by the contractor at their own cost.

9. Mending of any damage caused to the Bank's property during loading, unloading of the D.G. Set in Bank's premises at the time of installation or taking out D.G set from Bank's premises will be done by the contractor to original finish, at their cost.

10. The successful bidder should install and successfully commission the D.G. Set in Bank's premises within 45 (forty five) days from the date of awarding the contract.

11. **Period of Contract:** The contract period for the said work is three years. However, the contract shall remain in force initially for a period of one year from the date of installation and satisfactory commissioning of the D.G. Set at site and will be extended for further two years with 7% increment in each year from second year onwards on the quoted rate as per satisfactory services rendered by the generator supplier and requirement of the office. Further, the Contract can be terminated if the

service of the contractor is not satisfactory/ any other reason whatsoever by serving 30 days notice by Bank. Notwithstanding anything contained in this tender documents PNB can at any time terminate the contract/agreement with the successful bidder without assigning any reason if the bidder is neglect or fail to observe and perform all or any of the acts, matters of things by this contract, to be observed and performed by him.

12. In case of any major breakdown of D.G. Sets requiring repairing time for more than one day, an alternative interim arrangement will be made by the generator provider immediately by providing a substitute generator of adequate capacity at no extra cost. If the successful bidder fails to provide substitute Generator, he shall be governed as per the downtime Clause 13 of *Annex I Technical Specifications*. The Bank will be free to hire another DG set from the market at the risk and cost of contractor limited to double the amount quoted by the contractor.

13. The contractor shall forthwith comply with and duly execute all installation work comprised as per the Bank's or its representative's instructions, provided always that verbal instructions, directions and explanations given to the contractor's or his representative.

14. The cost of any risk of damage or damage to the equipment and its performance, including damage to property and equipment of end customer, due to failure of deficiency in supplied equipment/warranty rights rests solely with the supplier.

15. The supplier shall depute a point of contact for monitoring of work covered under the scope of work including warranty. Details of contact & service centre list shall be submitted.

16. **Visit of Site**

Intending Bidder shall visit the site to understand the scope of work involving for installation of DG Set in the Bank's premises and make self thoroughly acquainted with the local site conditions, nature and requirements of the works, facilities of transport conditions, effective labour and materials, accesses and storage for materials. The successful Bidder will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site conditions. Successful bidder shall arrange insurance for his equipments at his own cost.

17. **If the space is not available for positioning the DG Set in the Bank's premises, the contractor shall find the suitable place nearby and deal with the external agencies on his own cost for arranging the same and rates shall be quoted accordingly. No claim whatsoever will be entertained in this regard.**

18. **Tenders**

18.1 The e-tender should be submitted by bidder duly priced and also digitally signed. The Schedule of Quantities shall be filled in as follows:

- a. The unit price of monthly rate per DG set, annual rate and total rate.
- b. The PNB reserves the right to reject the lowest or any tender.

18.2 The Bank reserves the right to accept the tender in full or in part and the bidder shall have no claim for revision of rate or other conditions if his tender is accepted in parts. Any error on the part of the bidder while quoting the rates will not be accepted as an excuse for refusal to execute the order for any or all items, if order is placed on the basis of the quoted rates. For refusal of the order, the E.M.D. of the bidder will be forfeited.

18.3 All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved directly related to and reasonably detectable from the specifications and schedule of quantities and no further extra charges will be allowed in this connection. In the case of lump sum charges in the tender in respect of any item of works, the payment of such items of work will be made for the actual work done on the basis of lump sum charges as will be assessed to be payable by the PNB.

18.4 The bidder shall note that his tender shall remain open for consideration for a period of 90 days from the date of opening of the tender (Commercial Bid).

19. **Agreement**

The successful Contractor shall be required to sign agreement and shall pay for all stamps and legal expenses, incidental thereto.

20. **Amendment of Bidding Documents by the Bank**

At any time prior to the last Date and Time for submission of bids, the Bank may, without assigning any reason whatsoever, modify the Bidding Documents through amendments at the sole discretion of the Bank. All amendments shall be uploaded on the Bank's websites (www.pnbindia.in and <https://pnbindia.biz>) and shall be binding on all Bidders.

In order to provide prospective Bidders a reasonable time to take the amendment if any, into account in preparing their bid, the Bank may, at its discretion, extend the deadline for submission of bids.

21. **Modification and Withdrawal of Bid by the bidder**

21.1 Modification of the submitted bid shall be allowed on-line and the bidder may modify and resubmit the bid on-line only before the deadline of Bid Hash Preparation.

For modification of e-bid, bidder has to rework and upload/resubmit digitally signed modified bid on bank's e-tendering portal i.e. <https://pnbindia.biz>.

21.2 Bids once submitted will be treated as final and no bid may be modified subsequent to the deadline for Bid Hash Preparation.

21.3 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of period of bid validity specified in tender documents. For withdrawal of bid after the end date of online bid submission, the bidder will have to make a request in writing to Tender Inviting Authority of Bank. Withdrawal of bid may be allowed till issue of work order with the following provision of penal action:

21.4 If the request of withdrawal is received before informing the date for opening of commercial bid, the EMD submitted by bidder will be forfeited and bidder will be debarred for 6 months from participating in tenders in PNB. The commercial bid of remaining technically qualified bidders will be opened and the tender process shall go on.

21.5 If the request of withdrawal is received after informing the date for opening of commercial bid, the EMD submitted by bidder will be forfeited and bidder will be debarred for 1 year from participating in tenders in PNB. The commercial bid of all technically qualified bidders including this bidder (if found technically eligible) will be opened and action will follow as under:

- a) If the bidder withdrawing his bid is other than L-1, the tender process shall go on.
- b) If the bidder withdrawing his bid is L-1, the re-tender will be done.

22. **Contacting the Bank**

Any effort by a bidder to influence the Bank in evaluation of the bid, bid comparison or contract award decision may result in the rejection of the Bidders' bid. Bank's decision will be final and without prejudice and will be binding on all parties.

23. **Clarifications of Bids**

To assist in the examination, evaluation and comparison of bids the Bank may, at its discretion, ask the bidder for clarification. The response should be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

24. **Government and Local Rules**

The Contractor shall confirm to the provisions of all local Bye-laws and acts relating to the work and to the regulations etc. of the Government and local authorities and of any company with whose purview the work proposed to be governed. The Contractor

shall give all notices required by said act, rules, regulations and Bye- laws etc. and pay all fees payable to such authorities for execution of the work involved. The cost if any shall be deemed to have been included in his quoted rates, taking into account all liabilities for licenses etc. He shall indemnify the PNB against such liabilities and shall defend all actions arising from such claims or liabilities.

25. **Taxes and Duties.** The bidders must quote their tender prices excluding the prevailing rate of GST or any other cess or local charges, as may be applicable at present rate. GST shall be paid extra. However, tax shall be deducted at source at the specific rate of Central Government regulations and guidelines respectively, if applicable. The certificate in respect of TDS shall be issued by the Bank as per rule. Any variation in taxes and duties and/or imposing any new taxes and duties during currency of contractor extended period, i.e. only the difference in tax, shall be borne by the Bank. No claim whatsoever on this account shall be entertained.

26. **Other Persons Engaged by the PNB**

The PNB reserves the right to execute any part of the work included in this contract or any work which is not included in this contract by other agency or persons and Contractor shall allow all reasonable facilities.

27. **Earnest Money and Security Deposit**

The bidder will have to deposit an amount of Rs. 1,00,000.00 (Rupees One Lacs only) in the form of Bank draft drawn in favour of Punjab National Bank at the time of submission of tender as an Earnest Money. The PNB is not liable to pay any interest on the Earnest Money. The Earnest Money of the unsuccessful bidders will be refunded without any interest soon after the decision to award the work is taken.

The successful bidder to whom the contract is awarded will have to deposit an initial security deposit, a further sum of 2% of the value of the accepted tender (Earnest Money of the successful bidder will be adjusted against initial security deposit). The initial Security Deposit will have to be made by the Contractor to the Bank within 14 days of acceptance of award letter, failing which the PNB at his discretion may revoke the letter of acceptance and forfeit the earnest money deposit furnished along with the tender. The initial security deposit shall be accepted in the form of Demand draft not by Bank Guarantee. **The Initial Security Deposit will be invested by the PNB in a fixed deposit account for the duration of the contract period.** *The initial security deposit will be refunded to the Contractor within 30 days of completion of work.*

28. **Notice and Patents of Appropriate Authority and Successful Bidder**

The successful bidder shall indemnify the PNB against all claims in respect of patent rights, royalties, and damages to buildings, roads or member of public in course of

execution of work and shall defend all actions arising from such claims and shall keep the PNB saved harmless and indemnified in all respects from such actions, costs and expenses.

29. **Time of Completion**

29.1 The SITC of DG Sets may have to be undertaken in stages as per various branches/ offices requirement. The work shall be completed within 45 days from the date of such information given by the Bank after award of work. Failure to do so will invite the penalty as per the twice the rates quoted by the bidder in commercial bid. The rates quoted in the commercial bid will be taken for one calendar month i.e. 30 days and per day penalty rate per DG set (twice the per day quoted rate) will be calculated accordingly.

29.2 **Extension of Time**

If, in the opinion of the PNB that the works delayed

- a) By reason of any exceptionally inclement weather or
- b) By reason of instruction from the PNB in consequence of proceedings taken of threatened by or disputes, with adjoining or neighbouring owners or
- c) By reason of authorized extra and additions or
- d) From other causes which the PNB may consider are beyond the control of the successful bidder, the PNB at the completion of the time allowed for the contract, shall make fair & reasonable extension of the time for completion in respect therefore.

30. **Payments**

- a) Monthly rental will be paid on the basis of successful running of the DG set during the month on producing the following required bills/ invoices/ documents for hiring charges & fuel consumption;
 - i. Copy of up-to-date fuel procurement and consumption log books duly verified by Bank staff.
 - ii. Copy of running hour log books duly verified by Bank staff.
 - iii. Attendance sheet of operator, if provided, duly verified by Bank staff.
- b) The charges are exclusive of GST; and
- c) The charges payable will be subject to tax deduction at sources as per the law in force and it shall be paid within 7 days of producing all necessary documents in complete for the period.

d) Payment shall take effect retrospectively from date of start of energization of DG Set.

31. **Disputes and Arbitration**

a. All disputes or differences, whatsoever, arising between the parties out of or in relation to the terms and conditions, meaning and operation or effect of this Tender/Agreement or breach thereof shall be settled amicably.

b. In case they are not able to settle the disputes or differences between them amicably, the matter may be referred to a sole arbitrator mutually agreed upon after issue of at least 30 days notice in writing to the other party clearly setting out there in the specific disputes and the same shall be settled by arbitration in accordance with the Indian Laws relating to arbitration, i.e. in accordance with the provision of the Indian Arbitration and Conciliation Act, 1996 and the award made in pursuance thereof shall be binding on the parties.

c. In the event of absence of consensus about a single arbitrator, the dispute may be referred to three arbitrators, one to be nominated by each party and the said arbitrators shall appoint the third presiding arbitrator before commencing the arbitration proceedings.

d. The venue of arbitration shall be at Noida.

e. All arbitration proceeding shall be conducted in English and a daily English record of such proceeding shall be maintained.

f. Any appeal against the arbitration award will be subject to the jurisdiction of courts at Noida only.

Successful Bidder shall continue to work under the Contract during the arbitration proceedings unless otherwise directed in writing by the PNB, unless the matter is such that the works/services cannot possibly be continued until the decision of the arbitrator or of the presiding arbitrator, as the case may be, is obtained.

32. **Excepted Matters from Arbitration**

If the dispute of difference pertains to the under noted matters (called excepted matters) the decision and in writing of the PNB shall be final, conclusive and binding on the parties.

a. Instruction

- b. Transactions with local authorities.
- c. Proof of quality of materials.
- d. Assigning or under letting of the contract
- e. Certificate as to the causes of delay on the part of the successful bidder and justifying extension of time.
- f. Notice to the successful bidder to the effect that he is not proceeding with due diligence.
- g. Certificate that the bidder has abandoned the contract.
- h. Notice of the determination of the contract by the PNB.

33. **Safety Measures**

Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites of work shall be so stacked or placed as to cause danger or inconvenience to any person or the public.

34. **Relationship Between Parties**

The engagement of bidder shall not constitute the appointment of either Party as the legal representative or agent of the other Party. This engagement is on a principal to principal basis between the Parties hereto. No Party to this engagement shall have any right or authority to assume, create or incur any liability or any obligation of any kind, express or implied, against or in the name of or on behalf of the other Party to this Tender/Agreement except as may be specifically provided.

35. **Publicity**

In connection with the transactions contemplated by this engagement each Party agrees that it will not use other Parties name, marks, symbols, or logos in any advertising, promotional material, press release, publication, public announcement, or through other media, whether written or oral, without the prior written consent of such other Party.

36. **Non-Exclusivity**

It is expressly agreed that the engagement between the parties, shall be on a non-exclusive basis. Bank reserves its right to appoint/engage one or more contractors/agencies/service providers to provide the like services or/and work concurrently during the currency of engagement.

37. **Other Terms & Conditions**

Bank shall not entertain any claim arising on account of damages, compensation or expenses payable as a result of any accident or injury sustained by any workman/staff of the bidder or any claim under the Workman's Compensation Act etc. The bidder may obtain necessary insurance cover to meet any of the above contingencies.

The bidder and his staff shall abide by the regulations/requirements of Security Department and strictly follow the rules. Bank's security staff will have right to check, search or interrogate any of the bidder staff while entering/ remain present/ leaving the PNB premises for security purposes.

The bidder shall be responsible for any loss/damage to the materials and other assets of the PNB by his staff deployed for duty.

The bidder shall also be wholly responsible for theft, burglary, fire or any other mischievous act and conduct done by their staff.

38. Damage to Persons and Property etc.

The Bidder shall be responsible for all injury to the worker or workmen or persons, animals or things and for all damages to the building /part of the building, materials, equipment, structural and / or decorative part of property/property in the vicinity which may arise from the operations/installation or neglect of himself or employees whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract/performing the work.

The Bidder shall indemnify the PNB and hold harmless in respect of all and any expenses arising from any such injury or damages to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of compensation or damage consequent upon such claim.

The Bidder shall reinstate, rectify and remedy all damages of every sort mentioned in this clause so as to deliver the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property.

8. INSTRUCTIONS TO BIDDERS

1. Bidding Process (Two Stages)

For the purpose of the present job, a two-envelope bidding process will be followed. The response to the present tender will be submitted in two parts:

- Technical bid
- Commercial bid

The bidders will have to submit the technical bid in Banks e-procurement system as well as in hard copy and commercial bids in only online form through Bank's e-procurement system.

1.1 Technical Bid

Technical bid will also contain the Compliance statement as per the Terms & Conditions mentioned in the Tender Documents, and NOT contain any pricing or commercial information at all. Technical bid documents with any commercial information will be rejected.

In the first stage, only technical bids will be opened and evaluated. Only those bidders confirming compliance to all the terms & conditions of Tender document shall be short-listed for commercial stage.

1.2 Commercial Bid

In the second stage, the Commercial bid of only those bidders, whose technical bids are short listed, will be opened.

2. Submission of Bids

Bidders are required to strictly submit their bids in electronic form using the e-procurement system at <https://pnbindia.biz> the Bank by using their digital certificates of class II and above (both encryption and signing). All the interested bidders should register themselves in the e procurement system <https://pnbindia.biz> for submitting the bids online, if they have not done earlier. The Tender document and further corrigendum, if any can also be downloaded from Bank's website www.pnbindia.in; <https://pnbindia.biz>. Bids received after closing of the bid in the e-procurement system are summarily rejected without any reason. The commercial bid should be submitted online only.

All the technical supporting documents should be submitted manually in a sealed envelope shall be super scribed as “Technical bid for “**Supply, Installation, Running and Maintenance of Diesel Generator (DG) Sets of Various Capacity on Centralized Hiring Contract for PNB Offices/ Branches under Noida Circle, U.P.**” before the final date & time of bid submission at the following address.

Cost of Tender Document of Rs.2,000/-+GST along with EMD of Rs. 1,00,000/- shall be submitted in a sealed envelope shall be super scribed as “ EMD for “**Supply, Installation, Running and Maintenance of Diesel Generator (DG) Sets of Various Capacity on Centralized Hiring Contract for PNB Offices/ Branches under Noida Circle, U.P.**” before the final date & time of bid submission at the following address.

Chief Manager (C)
 Punjab National Bank,
 Head Office,
 1st Floor, ‘A’ Wing, GSAD,
 Plot No 4, Sector -10,
 Dwarka, New Delhi 110075

At the time of physical submission of bid, bidder has to show acknowledgement e-mail received after completion of the bid submission in proof of having submitted the bid online.

3. **Content of Documents to be Submitted**

Documents required in Technical Bid Envelope (Sealed Cover):

- i. Bidders undertaking letter
- ii. Supporting documents as per Eligibility Criteria.
- iii. Bidder Information
- iv. Acceptance of Compliance Statement
- v. Duly signed Tender document and corrigendum, if any
- vi. Copy of last three years audited balanced sheet & profit and loss statement.
- vii. Bid Earnest Money/Tender Document cost.
- viii. Power of attorney / Board resolution in favour of authorized person signing the Bid documents.
- ix. GST Registration Certificate.
- x. Trade License certificate and Professional License No.
- xi. Valid registration certificate from CPWD / PWD / MES / Railways / Govt. / Semi Govt. Organizations or any other private Organization of repute.
- xii. List of organizations where D.G.Sets is installed on hire basis in last three years with supporting documents such as work order / Letter of Intent.
- xiii. List of service centers and nodal point of contact

- xiv. Performance certificate of best two works of similar nature issued by the respective Officer of the Deptt. / Company along with Name, Designation and Deptt. to be submitted.
- xv. Proof of ownership for DG Sets

Note: a) All pages of the bid documents must be signed by authorized person.
 b) All pages of the bid documents should be numbered in serial order i.e. 1, 2, 3...
 c) Commercial bid to be submitted in e-procurement process only. No hardcopy of the same be enclosed with the supporting documents.

4. **Preliminary Examination**

Bank will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required information has been provided as underlined in the bid document, whether the documents have been properly signed, and whether bids are generally in order.

The bid determined as not in order as per the eligibility criteria will be rejected by the Bank. The decision of the Bank is final towards evaluation of the bid documents.

5. **Evaluation and Award Criteria**

5.1 After opening of the technical bids, all the documents and annexure (except commercial documents/offer) will be evaluated first by the Bank. First, received bids will be evaluated based on the eligibility criteria. Technical bids of only those bidders satisfying the eligibility criteria will be evaluated.

5.2 Only those bidders satisfying the technical requirements and accepting the terms and conditions of this document shall be short-listed for further steps. PNB will determine to the satisfaction whether the bidder selected, having submitted the best evaluated responsive bid, is qualified to satisfactorily perform the contract. The decision of PNB will be final in this regard.

5.3 The determination will take into account bidder's financial, technical and support capabilities, based on an examination of documentary evidence submitted by bidders in support of eligibility criteria.

5.4 The commercial bids will be opened only if at least two Technical Bids are found suitable. In any case single Commercial Bid shall not be opened.

5.5 The L-1 bidder shall be decided on the basis of total cost of all items of commercial bid.

5.6 The award of contract will be based on evaluation of technical and commercial bids.

Note: - Technical bids will be opened in the presence of bidders who qualify and choose to attend as above. The above schedule is subject to change. Notice of any changes will be published on Bank's website (www.pnbindia.in & <https://pnbindia.biz>). Further, please note that commercial bid opening date and time will be intimated to the technically qualified bidders at a later date.

9. SPECIAL CONDITIONS FOR CONTRACT (SCC)

1. The bidder shall acquaint himself with the proposed site of commissioning of DG Sets and study the pattern of power shedding etc. to assess the average exploitation of DG Sets during banking hours/ extra time before quoting his rates. The successful bidder should note and bear in mind that the Bank shall bear no responsibility for the lack of acquaintance of site and other conditions or any information relating thereto or on their part.
2. The installation and maintenance work of DG Sets shall be carried out without disturbance to such other office and it shall be planned on holidays with prior approval of the Bank. Necessary, precautions shall be taken and no additional charges shall be paid for the same.
3. The successful bidder shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which may be liable.
4. Subject to the nomenclature of the item as per schedule of quantities, the specification indicated in the tender documents, the rates quoted shall include cost of all materials including royalty and taxes if any, labour, sundry inputs, execution of work at all heights, levels, pattern and design for all leads and depths including overhead charges and contractor's profit. Nothing extra shall be paid on this account. Only GST shall be payable extra.
5. All tools, plants and measuring or weighing equipment shall be arranged by the successful bidder himself and nothing extra shall be paid to the successful bidder on this account.
6. The capacities and quantities of various DG Sets incorporated in the tender are as per the existing requirement. However, in future, if there is the requirement of change in capacities as per the increase/ decrease of load, the successful bidder shall provide the same as per quoted price without any additional installation cost etc. The payments shall be made to the successful bidder on the basis of actual capacity of the DG Sets.
7. The successful bidder shall be responsible for all statutory provisions and deductions towards ESI, PF or any other, as the case May be or any other levies and taxes shall be borne by the successful bidder. The TDS, GST or any other statutory levies/taxes incorporated from time to time shall be deducted progressively from the running account bills, as applicable at the time of payment. No claim in this regard shall be entertained. Any injury to workers while attending the servicing/ breakdown calls will

be the sole responsibility of the successful bidder. No compensation whatsoever would be given by the Bank.

8. All electrical works shall be got carried out through licensed Electrical Contractor having experience of similar work. The work shall be executed as per specifications and strictly in keeping with relevant IS code and rules and regulations of authorities.

9. The work should be carried out as per latest CPWD specification and as per the standard engineering practice. All measurements shall be made as per CPWD norms.

10. The successful bidder shall be required to maintain the coordination with the Building Electrical Contractor, if required.

11. No old/ dismantled material shall be used by the contractor in the work under any circumstances. Unless otherwise specified or under instruction of the Bank.

12. The successful bidder shall comply with the provisions of Contract, Labour (Regulation & Abolition) Act, 1970, Minimum Wages Act and all other Labour Laws and other Statutory Regulations (both Central and State) that may be enforced from time to time by the appropriate authorities. Bank shall not be held responsible for any penalty on failure of the any Labour Regulations. The successful bidder shall indemnify the bank from any loss caused to Bank for non-compliance of any statutory duty by successful bidder under any labour law or otherwise.

13. Any act of indiscipline/ misconduct/ theft/ pilferage on the part of any employee engaged by the successful bidder resulting in any loss to Bank in kind or cash will be viewed seriously and Bank will have the right to claim damages or levy fine and/ or terminate the Contract forthwith, if necessary.

14. In case of any default or failure on successful bidder's part to comply with all / any one of the Terms/ Conditions, Bank reserves to itself the right to take necessary steps to remedy the situation including, inter-alia, the deduction of appropriate amount / s from dues otherwise payable to successful bidder and/ or by taking recourse to appropriate recovery proceedings.

15. The specification for the entire work shall be in accordance with latest CPWD specifications and latest IS codes. Whenever these codes are silent, the same shall be governed by sound engineering practice and the decision of the Bank in matter of interpretation shall be final and binding on the successful bidder.

16. The successful bidder shall not assign the contract. He shall not sublet any portion of the contract except with the prior written consent of the Bank. No Brokers / Intermediaries shall be entertained. The Bank reserves the right to Accept or reject any or all offers in full / part without assigning any reasons whatsoever.
17. The successful bidder has to submit copies of invoices after procurement of D.G. Set. The name, address & phone no. of service centre shall also be mentioned.
18. Hiring charges shall be payable from the date of commissioning/ date of energizing the electrical installation.
19. The successful bidder shall strictly comply with the provisions of safety code including obtaining necessary insurance cover/ policy to protect Bank's interest on account of loss to any person(s) and the property arising due to faulty installation etc. on the successful bidder's part.
20. The successful bidder shall obtain adequate insurance policy/ policies in respect of his workmen to be engaged for the work towards meeting the liability of compensation arising out of death/ injury/ disablement at work etc.
21. The successful bidder will have to remove the D.G. Set within 3 (Three) days from the date of termination or closure of the contract, at their cost, else demurrage charges @ 1000/- (Rupees One thousand only) per day will be levied by the bank on the successful bidder. Mending of any damage caused to the Bank's property during taking out the generator will be done by the successful bidder to original finish, at their cost.
22. Diesel shall be procured as per requirement of DG set Diesel Tank, No storage tank will be allowed at site. Stock register will be maintained at Bank.
23. The successful bidder shall arrange for diesel and the cost will be reimbursed to them along with the transportation charges on an actual basis on production of receipt/ Bill duly certified by the Officer in Charge. Maximum fuel transportation charges for DG Sets up to 50 KVA shall be Rs.300/- and for DG Sets more than 50 KVA shall be payable Rs.500/- per month.
24. Supply & Installation of accessories like cable of adequate size, change over switches of requisite specifications etc. for supplying generator power to power distribution board inside the Bank premises will be made by the successful bidder at their own cost so that the generator power be available at the Branch. The necessary internal cabling from main switches inside the Bank premises to Generator, change over switches & up to distribution boards and earth pits have to be arranged by the successful bidder at their own cost including responsibility of its maintenance.

25. The space required for installation of the Generator set in Bank's premises or in the vicinity of the Bank's premises, any rain or weather protection is required for the D.G. set or other equipment it shall be arranged by successful bidder.
26. The charges for transportation, loading & unloading and installation of the D.G. set in Bank's premises will be borne by the successful bidder. Mending of any change caused to the Bank's premises will be done by the successful bidder to original finish at their own cost
27. The successful bidder of Diesel Generator set has to maintain a log book at the site to record the following: -
- i) Hour meter reading.
 - ii) Time for which the generator was operational (generator off and on timings).
 - iii) No. of units generated through DG Set.
29. The diesel engine shall be robust heavy duty construction. It shall deliver the required BHP at the shaft of the coupled alternator to deliver the rated output of required KVA. The speed Governor shall be mechanical auto controlled, adjusting automatically to the desired load conditions.
30. The Engine shall be fitted with all standard accessories as detailed above. It shall be possible to start the engine from the AMF Panel & locally.
31. The operation of the DG set shall be on Automatically on Mains Failure with a pre-set time. The Engine will be shut down automatically on resumption of mains power with a preset time delay through AMF Panel.
32. The DG set shall be mounted on wheels or foundation as required.
33. The successful bidder will provide suitable batteries for the operation of "self-starter" and will be maintained the same at their own cost in good working conditions.
34. The successful bidder, after award of work, will have to submit Rs.100/-, non-judicial stamp paper for concluding contract agreement.
35. Operation also includes topping of fuel, changeover operations etc. Wherever Auto Main Failure (AMF) is installed, the successful bidder to monitor on regular basis, the fuel level, topping if required and provide an operator in case of AMF Failure. No additional charges will be paid for the same. In case successful bidder fails to provide services of operator on failure of AMF, a penalty of Rs.1000/- per day shall be imposed.
36. The successful bidder shall be responsible for proper maintenance of Registers, Log books etc. as required under the applicable laws/ statutory provisions and or Rules/ Regulations framed there under.

37. All necessary tools like clamp meter, drilling machines and pliers and other essential tools for effective maintenance of the Diesel Generator equipments shall be provided by the successful bidder.
38. Successful bidder shall arrange for comprehensive maintenance of their Diesel Generator set as prescribed by the supplier for reducing the breakdowns to the minimum and for uninterrupted operation of DG Set.
39. All the maintenance expenses including replacement of spares for the Diesel Generator set along with periodic replacement of lubricating oil shall be borne by the successful bidder.
40. Successful bidder of the DG set have to keep the diesel in safe custody under proper care at the site and have to ensure the safety of the location.
41. In the event of the non availability of space for installing the DG Sets within the Bank's premises, the successful bidder shall make suitable space arrangements at nearby at his own cost.

10. ARTICLES OF AGREEMENT

This agreement is made at Noida, U.P. on..... day of..... 2018 between Punjab National Bank, a body corporate constituted under the Banking Companies (Acquisition and transfer of Undertaking Act) 1970 having its one of the Circle Office at C-13, 3rd Floor, Sector-1, Noida, Uttar Pradesh – 201301. (Hereinafter referred to as "The Bank/The Employer/PNB") of the one part &..... (Herein after called "the Contractor") of the other part.

WHEREAS the **PNB** is desirous of getting certain works executed viz. **Supply, Installation, Running and Maintenance of Diesel Generator (DG) Sets of Various Capacities on Centralized Hiring Contract for PNB Offices/ Branches under Noida Circle, U.P.** and has vide letter of acceptance dated.....accepted a tender by the Contractor for the execution, completion, and maintenance of such works.

NOW THIS AGREEMENT WITNESSES AS FOLLOWS:

1. In this agreement words and expressions shall have the same meaning as are respectively assigned to them in the said conditions of contract hereinafter referred to.
2. The following documents and the terms & conditions contained therein shall form and construe as integral part and parcel of this agreement viz.
 - a. Original tender document (Part 'A' & 'B').
 - b. Relevant correspondence all letter/ correspondence forming parts of contract and referred to in acceptance letter.
 - c. Acceptance letter
 - d. Schedule of quantities
3. The aforesaid documents shall be taken as complementary and mutually explanatory of one another, but in the case of ambiguities of discrepancies the latest documents issued by the Bank shall prevail over the earlier documents.
4. In consideration of payment to be made by the PNB to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the PNB to perform, execute, complete and maintain the work in conformity in all respects with the provision of the contract.
5. The PNB hereby covenants to pay the Contractor in consideration of the execution, completion and maintenance of the work such sums as shall become payable hereunder at the time(s) and in the manner prescribed in the said conditions and price schedule of quantities / bill of quantities prescribed in the contract. IN

WITNESS whereof the parties hereto have caused their respective common seals to be hereunto affixed (or have hereunto set their respective hands and seals) the day, month and year first above written.

6. All disputes arising out of or in connection with this agreement shall deem to have arisen in Noida and only the courts of Noida shall have the jurisdiction to determine the same.

SIGNED AND SEALED AND DELIVERED BY THE

Said

Said

(Name)

(Name)

on behalf of the Contractor

on behalf of the PNB

In the presence of

In the presence of

Name:

Name

Address:

Address:

Note: - This form is included in the tender documents only for the information of the bidders. Only the successful bidder will be in due course, required to complete the form.

11. INTEGRITY PACT

To,

Chief Manager (C)
Head Office, Punjab National Bank,
1st Floor, GSAD,
Plot No 4, Sector -10,
Dwarka, Delhi 110075

Sub: Supply, Installation, Running and Maintenance of Diesel Generator (DG) Sets of various capacities on Centralized Hiring Contract for PNB Offices/ Branches under Noida Circle, U.P.

Dear Sir,

1. I/We acknowledge that PNB is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/EOI document.
2. I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE TENDER SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.
3. I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender is finally accepted by PNB.
4. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with enclosed Integrity Agreement.
5. I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender, PNB shall have unqualified, absolute and unfettered right to disqualify the tenderer/applicant and reject the tender in accordance with terms and conditions of the tender.

Yours faithfully

(Duly authorized signatory of the Applicant)

INTEGRITY AGREEMENT

1. General

1.1 This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on _____ day of the month of _____ 2018, between, on one hand, the Punjab National Bank acting through Shri _____, Designation of the officer, Punjab National Bank having its Head Office at 1st Floor, GSAD, Plot No 4, Sector -10, Dwarka, Delhi 110075. (hereinafter called the "BUYER", which expression shall, mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part.

and

M/s. _____ represented by Shri _____, Chief Executive Officer (hereinafter called the "BIDDER/Seller" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part,

1.2 WHEREAS the BUYER intends to award contract for consultancy services for **"Supply, Installation, Running and Maintenance of Diesel Generator (DG) Sets of various capacities on Centralized Hiring Contract for PNB Offices/ Branches under Noida Circle, U.P."** and the BIDDER/Seller is willing to offer/has offered the said Items and

1.3 WHEREAS- the BIDDER is a proprietary/ private company/ public Company/ Government Undertaking/ partnership/ registered export agency, constituted in accordance-with the relevant law in the, matter and the BUYER is a Public Sector Bank.

1.4 NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any Influence/ prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to :-

1.5 Enabling the BUYER to obtain the desired Consultancy Services at a competitive price in conformity with the defined specifications by avoiding the high cost and the adverse impact of corruption on public procurement, and

1.6 Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the, contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption, in any form, by its officials by following transparent procedures. The parties hereby agree to enter into this Integrity Pact and agree as follows:

2. **Commitments of the BUYER**

2.1 The BUYER, undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour, or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

2.2 The BUYER will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford added advantage to that particular BIDDER in comparison to other BIDDERS.

2.3. All the officials of the BUYER will report to the appropriate Bank office for any attempted/ completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2.4 In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with full and verifiable facts and the same is prima-facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

3. **Commitments of BIDDERS**

3.1 The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it.

3.2. The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantages, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

3.2. The BIDDER further undertakes that it has not given, offered or promised, to give, directly or indirectly any bribe, gift; consideration, reward, favour, any material

or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Bank for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Bank.

3.3 BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.

3.4 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and details of services agreed upon for such payments.

3.5. The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

3.6. The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

3.7. The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

3.8. The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.9. The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.10. If the BIDDER or any employee of the BIDDER or an person acting on behalf of the BIDDER, either directly or indirectly is a relative of any of the officers of the BUYER or their family members, agents, brokers alternatively, if any relative of an officer of the BUYER has financial interest / stake in the BIDDER'S firm, the same shall be disclosed by the BIDDER at the time of filing of tender. The term 'relative' for this purpose would be as defined in Section 2(77) of the Companies Act 2013.

3.11. The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER.

4. **Previous Transgressions**

4.1. The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could Justify BIDDER's exclusion from the tender process.

4.2. The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. **Earnest Money (Security Deposit)**

5.1 While submitting commercial bid, the BIDDER shall deposit an amount _____ (to be specified in RFP) as Earnest Money/ Security Deposit, with the BUYER through any of the following instruments:

(i) Bank Draft or a Pay Order in favour of _____

(ii) A confirmed guarantee by an Indian Nationalized Bank, promising payment of the guaranteed sum to the BUYER on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof of payment.

(iii) Any other mode or through any other instrument (to be specified in the RFP),

5.2. The Earnest Money/Security Deposit shall be valid up to a period of five years or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the BUYER, including warranty period, whichever is later.

5.3. In case of successful BIDDER, a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond. In case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact

5.4. No interest shall be payable by the BUYER to the BIDDER on Earnest Money / Security Deposit for the period of its currency.

6. Sanctions for Violations

6.1. Any breach of aforesaid provisions by the BIDDER or any one employed by it or action on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following actions, wherever required:-

(i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

(ii) The Earnest Money Deposit (in pre-contract stage) and/ or Security Deposit/ Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.

(iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER

(iv) To recover-all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.

(v) To encash the advance bank guarantee and performance bond/ warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with Interest.

(vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/ rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

(vii) To debar the BIDDER from participating in future bidding processes of the Bank for a minimum period of five years, which may be further extended at the discretion of the BUYER.

(viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.

(ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.

(x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2 The BUYER will be entitled to take all or any of the actions mentioned at para 6.1. (i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IC of the Indian Penal code, 1860 or Prevention of Corruption Act 1988 any other statute enacted for prevention of corruption.

6.3 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent Monitor(s) appointed for the purposes of this Pact.

7. Fall Clause

The BIDDER undertakes that he has not supplied/ is not supplying similar Product/ systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/ Department of the Government of India, or PSU and if it is found at any stage that similar product/ systems or sub systems was supplied by the BIDDER to any other Ministry/ Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

8. Independent Monitors

8.1. The BUYER has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission (Names and Addresses of the Monitors to be given).

8.2. The 'task' of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

8.3. The Monitors shall not be subject to instructions by the representatives, of the parties and perform their functions neutrally and independently.

8.4. Both the parties accept the Monitors have the right to access all the documents relating to the project /procurement, including minutes of meetings.

8.5. As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.

8.6. The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon, his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation, the same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with confidentiality.

8.7. The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer the Monitor the option to participate in such meetings

8.8. The Monitor will submit a written report to the designated Authority of BUYER/ Secretary of the Department/ within 8 to 10 weeks from the date of reference or intimation to him by the BUYER / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

9. **Facilitation of Investigation** In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

10. **Law and Place of Jurisdiction** This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER.

11. **Other Legal Actions**

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

12. **Validity**

12.1 The validity of this Integrity Pact shall be from date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER/Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

12.2. Should one or several provisions of this Pact turn out to be invalid; the remainder of, this pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. The parties hereby sign this Integrity Pact at _____ on _____.

BUYER

BIDDER

Name of the Officer
Designation
Punjab National Bank

Chief Executive Officer

Witness

Witness

1. _____

1. _____

2. _____

2. _____

12. BIDDERS INFORMATION

1. Name
2. Constitution (Proprietorship/ Limited etc.)
3. Address
4. Names & Addresses of the Partners/ Directors if applicable
5. Name of Contact Person(s) with their Mobile Numbers
6. Office Telephone, Fax, e-mail
7. PAN No.
8. GST Details: GSTIN/ARN –
State Code –
HSN/SAC Codes –
9. Manpower Employed.
10. No of DG Sets owned:
(Attach proof)

13. BIDDERS FINANCIAL INFORMATION

Name:

Constitution:

Address:

Names & Addresses of the Partners if applicable:

Contact Person(s) _____

Telephone, Fax, e-mail _____

Number of years of experience _____

Please give brief financial particulars of your firm for the last three accounting years along with the volume of business handled.

(The information will be kept confidential)

Year	2014-15	2015-16	2016-17
Total Turnover			

Seal of company

Signature:

14. COMPLIANCE STATEMENT

DECLARATION:

Please note that any deviations mentioned elsewhere in the bid will not be considered and evaluated by the Bank. Bank reserve the right to reject the bid, if bid not submitted in proper format as per Tender Document.

Compliance	Description	Compliance (Yes/No)
Terms and Conditions	We hereby undertake and agree to abide by all the terms and conditions including all annexure, corrigendum(s) etc. stipulated by the Bank in this Tender Document. (Any deviation may result in disqualification of bids).	

Signature:

Seal of company

15. TECHNICAL SPECIFICATIONS AND STANDARD INSTALLATION DETAILS

1. Prerequisites

- a) This document shall be read in conjunction with the other tendering documents.
- b) The work shall be carried according to the description of the Item(s) in the Schedule of Quantities.

2. Electrical works: -

- a) CPWD General Specifications for Electrical works (Part-I), Internal - 2013.
- b) CPWD General Specifications for Electrical works (Part-IV) Substation – 2013.
- c) CPWD General Specifications for Electrical Works (Part – VII), DG Sets – 2013.
- d) All installations shall comply with the requirements of Indian Electricity Rules, 1956 and Indian Electricity Act -1910 as amended up to date, and bye-laws of any other concerned Department.

3. Diesel Engine Specification:

- i. Make: Kirloskar, Cummins, Greaves, Mahindra, Ashok Leyland, Eicher, Caterpillar, Volvo.
- ii. Diesel Engine, Multi Cylinders, Air Cooled, 1500 RPM.

4. Alternator Specification:

- i. Make: Stamford, Crompton Greaves, Kirloskar, Kirloskar Electric.
- ii. Capacity: 0.8 PF Lagging, 230/ 415 Volts, Single/ Three Phase, 50 Hz as per site requirement of PNB.
- iii. The regulation from no-load to full load shall not exceed 2.0%
- iv. The alternator shall be of brush less type design, self excited of robust construction. It shall be suitable for continuous rating with ambient temp of 40° C. The voltage control shall be through automatic voltage regulator unit (AVR). The AVR unit shall de-excite the alternator in case of short circuit.
- v. Voltage regulation :+/- (1%)
- vi. Voltage variation: +/- (5%)
- vii. Frequency variation: As defined by engine governor (+/-1 %)

- viii. It shall withstand 10% overload for one hour every 12 hour duration on operation.
- ix. The Alternator shall confirm drip proof constructions as per IS:4722.
- x. ACB of 2P/ 4P with overload and short-circuit protection.
- xi. Voltmeter and Ammeter with selector switch
- xii. KW/ PF/ KWH/ Frequency meters.
- xiii. Indicating lamps (Load On and Set Running)
- xiv. Bus bars of suitable capacity for termination of incoming and outgoing cables.

5. **Sound Proof Enclosure - Noise Level permitted**

- i. Wherever acoustic insulation is provided 75 db at 1.0 meter from DG set under free field condition meeting CPCB norms.
- ii. Shall be factory fabricated specially with superior quality acoustic insulation so as to achieve the permissible noise level within the prescribed norms of state/ Central Pollution Control Board.
- iii. The container shall be weather proof, housing the D.G. Set, fuel tank. Fresh air will enter from the alternator end. Blowers of adequate capacity will be provided if necessary to provide sufficient air for cooling & ensure operating temperature is within prescribed limits specified by engine manufacturers.
- iv. Hinged/ sliding doors will be provided on either side. Sufficient maintenance access shall be provided in the design of the acoustic enclosure.

6. **Generator controller:-**

Microprocessor based generator set monitoring, metering and control system with LCD display designed to meet the demands of today's engine driven generator sets

- i. The controller shall be compatible with Auto Main Failure facility
- ii. Modbus interface (RS485 RTU)
- iii. 500 event log memory storage
- iv. Remote start stop facility
- v. Having facility of critical Genset monitoring parameter
- vi. Having facility of parameter for Genset Protection

7. Generator should be preferably new (should not be old than 3 years) with manufacturer's fitted acoustic canopy and of makes listed above confirming to CPCB norms. Document in the regard to be submitted.

8. Automatic Mains Failure (AMF) Panel

- (i) AMF control panel for auto starting of the DG set shall be fabricated from the MS sheet steel 14 gauge and shall be of compartmental design. The main supporting framework shall be of angle iron or of heavier gauge sheet metal. The panel shall be self-supporting design, dust and vermin proof, dead front and fully interlocked with isolating switches. The panel mounted switches shall have defeat interlocks for testing and inspection.
- (ii) The panel shall be designed so as to facilitate inspection, cleaning and repairs. The clearance between phase to phase and phase to earth or metal parts shall be as per relevant IS standards.
- (iii) The metering instruments like volt meter, ammeter, etc. shall be flush mounted and shall be of 1.0 class accuracy and of standard design size shall be 96 mm x 96. All indication lamps shall be of neon type / digital. The Panel shall be tested at site before energizing.
- (iv) All wiring inside the panel shall be done with copper conductors / cables/solid copper links. All the hinge doors shall be earthed. Adequate ventilation for the panel shall be provided. Logic diagram of operation of switches shall be painted on the panel. The name plates for each feeder shall be of engraved design and pasted to the respective switch gear.
- (v) Type: Cubical, front operated with detachable cable gland plates at top and bottom.
- (vi) Enclosure: 14G CRCA suitably rust inhibited with powder coated with 7 tank treatment process and provided with square section rubber gaskets IP52 enclosure.
- (vii) Mounting: Floor /Wall mounted with supporting legs or blank panel.
- (viii) Circuit breakers: Double Breaker for DG set and Mains isolation.
- (ix) Instrument panel fitted with: AC Voltmeter (0-600V) Voltmeter Selector switch, AC-Ammeter of suitable range, Ammeter selector switch, KWH Meter, Frequency Meter, Running Hour Meter.
- (x) Indicating lamps for
 - Load on Mains.
 - Load on Generator
 - Set fails to start
 - Low Lubricating oil Pressure
 - High water temperature / High water temperature.
- (xi) Sets of Push Buttons for
 - Generator start / stop
 - Emergency trip

- Auto Hooter
- Auto / Manual /Test / Selector switch
- Generator ON / OFF - Manually.
- Mains On / OFF - Manually

(xii) Battery charger static, comprising of Transformer, Rectifier, Trickle/ Boost auto, DC Ammeter, Mains Voltage Monitor, AMF Logic with three attempt starting facility.

(xiii) Protection - Over Voltage, under voltage, over load Short circuit, over speed.

(xiv) The operation of the AMF panel shall be as follows:

In the event of mains failure or failure of any one phase of incoming mains voltage / frequency beyond the specified limits, signal will be given to start the generator set after a pre-set time. On firing of DG Set and built up of voltage which if within the specified limits of voltage & frequency, the output breaker / contactor shall be energized and power connected. Thus the AMF panel shall continuously monitor the quality of the incoming power and outgoing power of DG Set. Once the Mains power resumes/ stabilized within the set limits, the AMF panel shall trip the DG Set after disconnection of the DG output with the preset time. The AMF panel shall have facility to operate the set under test, Auto, Manual mode. A bypass switch for AMF panel should also be provided so it can be used in case of malfunction of AMF panel.

9. **Silencer**: Critical grade silencer suitably optimised to meet stringent sound emission standards laid down by MoEF /CPCB

10. Indicative chart for diesel consumption (per hour) of DG Sets:

<u>S No</u>	<u>Generator KVA</u>	<u>Indicative Diesel Consumption LPH</u>
1	10	2.4
2	12.5	2.95
3	15	2.95
4	20	4.8
5	25	4.8
6	30	6.55
7	35	6.75
8	40	8.0
9	45	9.1
10	50	10.19
11	62.5	11.5

12	75	13.6
13	82.5	13.6
14	100	17.5
15	125	21.6

11. Supply & Installation of accessories like cable of adequate size, change over switches of requisite specifications etc. for supplying generator power to power distribution board inside the Bank premises will be made by the successful bidder at their own cost so that the generator power be available at the Branch. The necessary internal cabling from main switches inside the Bank premises to Generator, change over switches & up to distribution boards and earth pits have to be arranged by the successful bidder at their own cost including responsibility of its maintenance. All such required electrical work should be done under the supervision of valid "A" Class Electrical License holder vendor of the successful bidder.

12. **Consumption of Diesel.** Fuel charges shall be paid on the basis of actual consumption as per Hour meter reading and log sheet record or Indicative Chart mentioned above whichever is lower. Hour meter required to be sealed, in case any defect arises in the hour meter. It should be recorded in the log book and got rectified within 24 hours. However, the actual consumption shall be compared with the Diesel Consumption Indicative Chart provided above in clause 10 to establish the efficiency of the DG Set against the power developed. If the variation is observed to be increasing beyond 5% of the indicative chart, necessary testing & tuning and maintenance of DG Sets shall be undertaken

13. **Downtime.** The generator downtime shall be kept to all care so that the downtime of DG Set is minimum. During the currency of the Contract, maximum permissible frequency of failures in a month:

- i. Once for approximately one hour.
- ii. Four times for approximately half hour

In case of major break down of the DG Set required repairing time more than two hours, an alternate interim arrangement will be made by the successful bidder immediately by providing a substitute generator of adequate capacity at no extra cost. In case of non functioning of the DG Set and in the event of failure on the part of successful bidder to provide an alternative generator of adequate capacity, within two hours, penalty in double the hiring rate per day will be imposed and deducted from the monthly bill of the generator for the period the generator set remains non functional.

16. Details of DG Sets to be Installed at Branches/ Offices

<u>S No</u>	<u>Branch/ Office</u>	<u>DG Capacity (in kVA)</u>
1.	Surajpur	10
2.	Khanpur	12.5
3.	Dankaur	15
4.	Modisteel, Modinagar	15
5.	Maicha	15
6.	Morta	15
7.	SadipurkiJhal,G.B.Nagar	15
8.	Niwari	20
9.	Dasna	20
10.	Bilaspur	20
11.	Loni	20
12.	Kasna	20
13.	Badauli	20
14.	Sector-12,Noida	20
15.	Noor Nagar	20
16.	Bhatta	20
17.	Rabupura	25
18.	GBU	25
19.	GhoriBachera	25
20.	Indirapuram	25
21.	BrijVihar	25
22.	Jahangirpur	25
23.	Jewar	25
24.	Tronica City	25
25.	RaoliKalan	25
26.	DayanandNagar,Gzb	25
27.	TilaShahbazpur	25
28.	Sector-16,Noida	25
29.	Sector-66,Noida	25
30.	RozaYakubpur	25
31.	Chhapraula	25
32.	Karhera	30
33.	Sector-1,Noida	30
34.	Sector-51,Noida	30

35.	Sector-104,Noida	30
36.	Sector-44	30
37.	RAPC Greater Noida	30
38.	Bhangel	35
39.	Muradnagar	35
40.	NEPZ	35
41.	Shalimar Garden,Gzb	35
42.	Crossing Republic	35
43.	Omega	35
44.	Vaishali	40
45.	Meerut Road,GZB	40
46.	Rajnagar	40
47.	Govindpuram	40
48.	Govindpuri	40
49.	Dadri	40
50.	AKP Vijay Nagar	40
51.	Alpha	40
52.	Kavi Nagar	40
53.	Meerut Road	40
54.	LohaMandi, Ghaziabad	40
55.	RajendraNagar,Sahibabad	40
56.	Sanjay Nagar,Gzb	40
57.	Vasundhara	40
58.	Gamma	45
59.	Shastri Nagar	45
60.	Noida Sector-3	62.5
61.	Modinagar	62.5
62.	Sector-62	62.5
63.	Sector-18-Noida	62.5
64.	G.T.Road, Gzb	62.5
65.	Ambedkar Road	82.5
66.	Nehru Nagar	82.5
67.	Sector-27	82.5
68.	Sector-63	82.5
69.	CO Noida	100
70.	Navyug Market	125

PART - B

17. COMMERCIAL BID

Supply, Installation, Running and Maintenance of Diesel Generator (DG) Sets of Various Capacity on Centralized Hiring Contract for PNB Offices/ Branches under Noida Circle, U.P.

Note: Rates quoted should include cost other lubricants, operator (if AMF not provided), repairs, replacement of any damaged part and routine maintenance, cost of power board, connecting wires, anti vibration pads, silencers, including the cost of installation. Cost of special type of foundation if required shall be borne by the successful bidder only. Sound proof canopy of approved/ reputed makes should be provided. The rates are only exclusive of GST. GST and fuel cost shall be payable extra.

<u>S No.</u>	<u>Description of DG Set</u>	<u>Qty (A)</u>	<u>Rental Charges per Month including Operator Charges Excluding Fuel & GST. (B)</u>	<u>Rental Charges per Year (12 Months) (A x B x 12)</u>
1.	10 KVA , Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	01		
2.	12.5 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	01		
3.	15 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	05		
4.	20 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	09		
5.	25 KVA, Single/ Three phase,	15		

	230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.			
6.	30 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	06		
7.	35 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	06		
8.	40 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	14		
9.	45 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	02		
10.	62.5 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	05		
11.	82.5 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	04		
12.	100 KVA, Single/ Three phase, 230V/415V, silent DG set with acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.	01		
13.	125 KVA, Single/ Three phase, 230V/415V, silent DG set with	01		

	acoustic enclosure and AMF panel along with changeover switch, cables and earth pits & strips as per site conditions.			
	Total	70		

****Note:** The quantity may vary, however payment shall be made as per the capacity/ no. of DG Sets energized. The output of DG Set shall be made available as per site requirement. The approval for type of DG set shall be obtained from PNB before supplying at site.