

SBI INFRA MANAGEMENT SOLUTIONS PVT LTD
(WHOLLY OWNED SUBSIDIARY OF SBI)

INVITES TENDERS
IN TWO BID SYSTEM WITH REVERSE AUCTION TO FINALISE ONE YEAR RATE
CONTRACT

FOR

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF DIESEL
GENERATOR SETS OF VARIOUS RATINGS FOR SBI OFFICES/BRANCHES IN
KERALA, MAHE & LAKSHADWEEP (THIRUVANANTHAPURAM CIRCLE)
THROUGH E-PROCUREMENT (REVERSE AUCTION)

Last date for submission of Tender: 3.00 P.M. (IST) on 10/07/2020.

Opening of Technical bid: 04:00 P.M. (IST) on 10/07/2020.

Name & Address of Contractor

NIT NO: **THI202006018**
The Assistant General Manager,
SBI Infra Management Solutions Pvt. Ltd.
4th Floor, SBI LHO Building,
Poojappura,
Thiruvananthapuram

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1. NOTICE INVITING TENDERS - NIT NO: **THI202006018**

Tenders are invited from competent OEM'S or Authorized dealers of approved brands satisfying the eligibility criteria with proven expertise for SUPPLY, INSTALLATION, TESTING AND COMMISSIONING (SITC) OF READY TO USE DIESEL GENERATOR SETS THROUGH E-PROCUREMENT (REVERSE AUCTION) FOR BRANCHES & OFFICES IN KERALA, MAHE, LAKSHADWEEP (under THIRUVANANTHAPURAM CIRCLE) by State Bank of India Infra Management Solutions Pvt. Ltd.(SBIIMS). The requirement is for the needs of Branches and Offices across Kerala including the Union Territory of Mahe and Lakshadweep. Currently there are two branches in Lakshadweep and one in Mahe.

1	Date of download of tender documents from Bank's web site " http://www.sbi.co.in "under procurement news.	From 25/06/20 to 10/07/20
2	Last date and time for submission of technical bid and indicative price bid	Date: 10/07/20 by 3:00 P.M
3	Earnest Money Deposit. (EMD)	Rs.50,000 /- (Rupees Fifty Thousand Five Hundred Only) in the form of DD in favor of ' Assistant General Manager, SBI Infra Management Solutions Pvt Ltd, Thiruvananthapuram.'
4	Tender document fee	Rs.5000/- through SBI e-collect. The procedure for remitting the tender fees is detailed in Annexure – IV. Copy of the generated receipt with reference number shall be enclosed with the tender.'
5	EMD & technical bid and indicative price bid to be submitted at:	EMD & technical bid and indicative price bid should be submitted physically at SBI Infra Management Solutions Pvt. Ltd., Office, 4th Floor, SBI LHO Building, Poojappura, Thiruvananthapuram – 695012 before 10/07/20 by 3.00 P.M. Contact: Assistant General Manager 0471-2192410/2192435
6	Date of Pre-bid meeting	Nil
7	* Date and Time of opening of Tenders: (Technical Bid)	Date: 10/07/20 at 4.00 P. M. (IST) at above office address. Technical Bid of those firms / contractors who do not submit

		<p>EMD and Tender fees shall be rejected.</p> <p>Representatives of Bidder may be present during opening of Technical Bids. However Bids would be opened even in the absence of any or all the bidder's representatives.</p> <p>Sealed bids of technically qualified bidders will be opened by the committee for fixing start price prior to reverse auction. The date of reverse auction will be intimated to qualified vendors by the SBIIMS.</p>
8	Bidder Contact Details.	<p>Bidder to provide following information.</p> <p>Name of Company.</p> <p>Contact Person.</p> <p>Mailing address with Pin Code.</p> <p>Telephone number and Fax number.</p> <p>Mobile Number and E-MAIL.</p>
9	Validity of Rate contract	One year from the date of rate approval
10	Total expected requirement	10 nos for 15KVA/20KVA,30 nos for each ratings 30KVA, 40KVA, 5 nos of 62.5KVA and two numbers for 100KVA,125KVA (may vary as per the actual requirement)
11	Approved brands	<p>Engine: Cummins, Greaves, KOEL Green, Mahindra, Ashok Leyland ,Eicher</p> <p>Alternator: Stamford , KOEL Green, Greaves , KEC , Trident Power P. Ltd , Leroy Somer, CG</p>
12	Agency for arranging online bidding.	<p>M/S E-procurement Technologies limited, Ahmedabad.</p> <p>E-tendering guidelines may be obtained from Ms. Priyanka, Business Development Executive.</p> <p>Phone: (+91) 635 491 9566 079 6813 6856</p>

	E-mail: Priyanka@auctiontiger.net
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* - In case the date of opening of tenders is declared as a holiday, the tenders will be opened on the next working day at the same time.

The SBIIMS reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever. Note : All the pages of the Tender document shall be sealed and signed by the Contractor

2. **Eligibility criteria for the tenderers**

The Contractors have to submit self-attested copies of the following documents along with the tender (Technical cum prequalification Bid).

- The tenderer should be OEM of approved brands or authorized dealer of an approved brands.
- If the applicant is an authorized dealer, the letter of authorization from the OEM shall be submitted.
- The applicant shall have an established branch office in Kerala with land phone connection and having dealer and service network across Kerala to meet the requirements of Bank. (Documentary proof with telephone bills / rental agreement etc shall be submitted for verification).
- The applicants should have supplied at least the mentioned capacity of the DG SET (during the last 7 years) to Govt Departments/ PSUs / Banks / Reputed Corporate Offices/ IT, Pharma & Chemical Industries.
- Average annual turnover during last 3 financial years ending March 2019 should be minimum Rs.36 Lakhs. Audited Balance sheet with P&L to be furnished.
- They should have executed orders for DG sets of similar or higher capacities mentioned in the Technical details during last three years.
 - Income tax (PAN), Registration certificate of the firm and GST registration certificate
- The applicant must have a valid digital certificate. Proof of the same shall be submitted.
- Should be ready to give warranty for two years or 5000 hrs of operation whichever is early for the entire DG set.

On the date specified for opening of Tender, only the Technical Bids will be opened. Price bidding of the eligible tenderers will be carried later through reverse auction by e-procurement technologies Ltd after processing their details listed above.

Please read the 'INSTRUCTIONS TO TENDERERS' thoroughly before submitting the Tenders. Also note to verify the Bank web-site under 'PROCUREMENT NEWS' before the last date and confirm that 'CORRIGENDA' to the Tender Notices issued (if any) has been read and / or complied with.

3. INSTRUCTIONS TO TENDERERS.

1. This tender is for the “SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF DIESEL GENERATOR SETS OF VARIOUS RATINGS FOR SBI OFFICES/BRANCHES IN KERALA, MAHE & LAKSHADWEEP (THIRUVANANTHAPURAM CIRCLE) THROUGH E-PROCUREMENT (REVERSE AUCTION). It is a Two Bid containing Technical bid with prequalification criteria and Price Bid.

Tenders with incomplete or broken seals are liable to be rejected, the matter solely resting at the discretion of the EMPLOYER. If a Contractor does not quote for one or more items, the Tender will be considered as incomplete and will be rejected.

2. Clients reserve to itself the right to accept or reject any tender without assigning any reason for doing so and do not bind itself to accept the lowest or any other tender.

3. General Specifications are for guidance only. The latest ISI codes and Specifications and mode of measurements will be referred to during execution.

4. Employer or Client shall mean **Assistant General Manager,,** State Bank of India Infra Management Solutions Pvt. Ltd, Thiruvananthapuram and or Assistant General Manager (P&E), S.B.I.

5. The tender is to be submitted in two separate sealed covers marked I & II, the cover (I) containing the tenderer's EMD and Tender cost in the form of a Demand Draft, Technical bid and supporting documents for prequalification criteria. There should not be any mention about the price in any manner in cover I, Cover No. II should contain only the Indicative price bid as per the BOQ. Cover I should be super scribed as (EMD & Technical Bid) and cover II as (Indicative price Bid) respectively. All pages should be sealed, signed, properly tied and tagged in its order for easy identification during scrutiny. Full address with phone no. of the tender should be written on the sealed covers

Documents to be submitted in the Technical bid cover are as under:

Cover-I

- i) Tender document duly filled in and signed and stamped by the authorized representative.
- ii) EMD of Rs. 50,000/- by way of Demand Draft drawn in favour of the “Asstt. General Manager (P&E), State Bank of India, Local Head Office, Poojappura, Thiruvanthapuram -12”. The tender not accompanied by such Earnest Money Will stand automatically rejected (EMD in any other form will not be accepted).
- iii) Undertaking in the enclosed format duly signed and stamped
- iv) Letter of authorization in case of representatives
- v) Certificate of dealership from the company (in case dealers are applying)
- vi) Copy of IT PAN number ID card of firm / owner in the case of ownership firms along with proof of ownership, Copy of GST registration. The variations / deviations if any from the Terms & Conditions stipulated by us.

- vii) Copy of the relevant experience certificates
- viii) List of Sales and service centres across Kerala must be enclosed.
- ix) Copy of latest CPCB II norms compliance certificate from ARAI or NAL or FCRI or any other authorized government Agency

There should be no reference in any paper in cover - 1, to the rates or amount quoted by the tenderer in the tender. No deviations from the tender are acceptable. Cover-II – Indicative price bid.

6. The tenderers must use only the form issued by the SBIIMS to provide the Indicative price bid.

The Start price and decrement value will be fixed by the Bank .The price bids (Indicative bids) submitted by the vendors will be opened in presence of committee before reverse auction for fixing the start price. At the end of reverse auction process, the lowest Bidder (L1) will be selected on the basis of Total Price, including taxes, as mentioned in the Reverse Auction format in Annexure –II.

Bidding Example:

The final rates of the items will have to be calculated in ratio of total amount quoted by the lowest bidder through reverse auction process and the amount quoted in indicative price bid.

Example:

Indicative Price Bid submitted by vendor:

Item	Rate (R)	Qty.	Amount
A	100	2	200/-
B	200	3	600/-
C	300	4	1200/-
Total amount in Indicative Price bid			2000/-

The total amount mentioned in indicative price bid is Rs.2, 000/- but the final L-1 amount quoted by the vendor through E-reverse auction is Rs.1, 600/- then the K factor for L-1 vendor will be calculated as under:

Ratio K = (Total amount quoted by the lowest bidder through reverse auction process) / (The amount quoted in indicative price bid).

$$K = 1600 / 2000 = 0.8$$

The item wise final price to be confirmed by the vendor shall be as under:

Item	Final Rate= K*(R)	Qty.	Amount
A	100X0.8	2	160/-
B	200X0.8	3	480/-
C	300X0.8	4	960/-
Total amount worked out after e-reverse Auction			1600/-

The L1 tenderer should submit the detailed break up as per the BOQ format within 24 hours of the reverse auction. The price breakup should contain not only the rates but also the value of each item of work entered in a separate column and all the items as per the Banks BOQ format totaled up in order to show the L1 aggregate value of the amount.

7. The price bid includes an item of Annual maintenance contract for entire installed system, for 4 years after defect liability period of one year. The L1 tenderer shall be decided by the overall lowest after totaling the AMC amount for 4 years to the cost of the equipment.

8. Any tender submitted after the stipulated date and time will automatically stand disqualified and no extension of time will normally be allowed for submission of tender.

4. DECLARATION BY TENDERER

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF DIESEL GENERATOR SETS OF VARIOUS RATINGS FOR SBI OFFICES/BRANCHES IN KERALA, MAHE & LAKSHADWEEP (THIRUVANANTHAPURAM CIRCLE) THROUGH E-PROCUREMENT (REVERSE AUCTION).

Dear Sirs,

I/We the undersigned have carefully gone through and clearly understood after studying the Tender documents comprising of the NIT, tender form, Notice to contractors, other conditions Probable quantities, Indicative price bid and draft Agreement prepared by SBIIMS.

I/We do hereby undertake to execute and complete the whole or part of the work (as desired by you) at the respective rates which/I/We have quoted for the respective items of the Probable Bill of Quantities.

I/We are depositing as Earnest Money a sum of Rs. 50,000/- (Rupees Fifty Thousand Only) in favor of The 'Assistant General Manager, SBI Infra Management Solutions Pvt Ltd, Thiruvananthapuram.' along with this tender for due execution of the work at my/our tendered rates together with any variations which shall be adjusted by the SBI at prices based on our tendered rates.

In the event of this Tender being accepted I/We agree to enter into an agreement as and when required and execute the contract according to your form of Agreement, within 15 days of receipt of work order, in default thereof, I/We do hereby bind my-self/ourselves to forfeit the aforesaid initial security deposit.

I/We do hereby undertake to execute the rate contract at the respective rates and are agreeable to all the terms and conditions expressed by the Bank as per the tender.

I/We do hereby undertake to keep the DG set rates valid for the period of 12 months from date of acceptance of your offer.

I/We do hereby undertake to supply as per specifications of the Bank and to maintain the units as mentioned in the 'technical bid'.

I/We do hereby undertake to supply more quantities than indicated in this tender in case of need at any point of time, during period of contract

I/We do hereby undertake to provide maintenance and service to DG after the warranty period through your authorized service dealers.

Yours faithfully,

Contractor's Signature & Name

Date:

Full Address:_____

Phone No:

Fax No:

Name of the Contact Person:

Mobile No

Email id:

Brand Name /Make of DG set Offered:

Any other relevant information:

5. NOTICE TO CONTRACTOR

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF DIESEL GENERATOR SETS OF VARIOUS RATINGS FOR SBI OFFICES/BRANCHES IN KERALA, MAHE & LAKSHADWEEP (THIRUVANANTHAPURAM CIRCLE) THROUGH E-PROCUREMENT (REVERSE AUCTION).

Dear Sirs,

1. On behalf of our clients, **M/s SBI, LHO, Thiruvananthapuram**, we have pleasure in inviting you to tender for the aforesaid work.
2. The tenderer must obtain for himself, on his own responsibility and at his own expenses, all the information which may be necessary for the purpose of filling this tender and for entering into a contract for the execution of the same and must examine the drawings and inspect the site of the work and acquaint himself with all local conditions and matters pertaining thereto.
3. In case L1 vendor has expressed the inability to deliver and execute the work ordered by the Bank during the period of contract, Bank has the right to cancel the work order and execute the same through the L2 & L3 vendors at the L1 price in the ratio of 50:50 with their approval.
4. The technical bid will be evaluated first and shortlisted vendors in prima face have to give presentation and demonstrate the models quoted in front of the committee members at the venue and date specified by the SBIIMS after the technical bid opening. The same will be intimated to all participants. The Technically qualified vendors/applicants are allowed to participate in the reverse auction. Bank reserves the right not to allow any vendor, for participating in the reverse auction, based on their response in the technical bid. The date and time for reverse auction will be intimated to shortlisted vendors subsequently. Your offer should be valid for 12 months from the date of acceptance of the offer.
5. Please note that you have to quote for the individual items mentioned in the tender. Orders will be placed by the respective branches/ Administrative Units for individual items to the L1 vendor. The items are to be supplied to the branches/offices spread over Kerala, Mahe & Lakshadweep whose list will be provided by the Administrative units. Bank reserves the right to make any changes in the list of locations/ number of DG sets depending on the requirement from time to time. Successful vendors should be prepared to supply additional quantities of the equipment at the agreed rates to the Bank as and when orders are placed during the validity period of the tender. These prices will be advised to all our offices in Kerala and the prices quoted are applicable for the orders issued from all our offices in Kerala, Mahe & Lakshadweep.
6. For necessary guidance/training of eligible tenderers on the bidding process, the eligible tenderers have to get in touch with M/s E-Procurement Technologies Ltd (Contact Person: Ms. Priyanka (+91) 635 491 9566 | 079 6813 6856. For any additional information/clarification relating to configuration, vendors may contact SBIIMS, LHO, Thiruvananthapuram (Contact Person: Manager (Electrical) - 0471-2192410).
7. The delivery of DG SET shall have to be effected at the indented SBI location within 20 days (upto 100KVA) from the date of placement of supply / purchase order which may be communicated through fax / email / post. The

Bank reserves its right to cancel the purchase order, if the delivery has not been carried out within 20 days.

8. The installation, testing and commissioning of DG SET should be completed within one week from the date of delivery.

9. The time allowed for supply, installation, testing and commissioning of DG SET i.e. entire work is 30 days from the date of written work order upto 125KVA. The time shall be the Essence of contract.

10. The Earnest Money Deposit of L1 vendor will be retained with SBI will be refunded after the period of rate contract without any interest. The EMD of the unsuccessful vendors will be returned as soon as the agreement is signed with the successful tenderer.

11. Bank reserves the right to distribute and execute the work at the L1 rate through the L2 & L3 vendors upon the failure of the L1 contractor to carry out the Supply, Installation and commissioning within the Tender Terms and Conditions. The ratio of work distribution among L2, L3 vendors are in the ratio 50:50 if necessary

12. In the event of L1 to execute the contract after the award of same EMD submitted by the L1 vendor will be forfeited and they shall be blacklisted from participating in future tenders.

13. All pages of the tender document shall be signed by authorized signatory and stamped. All Corrections shall be duly signed and stamped. Bids received after the above date/time will not be considered.

14. Each of the tender documents page is required to be signed by the person or persons submitting the tender in token of his/their having acquainted himself/themselves with the General conditions etc., as laid down. Any tender with any of the documents not so signed will be rejected.

15. The tender documents must be filled in English and all the entries must be made by hand and written in ink/ball pen. If any of the documents are missing or un-signed, the tender shall be considered invalid.

16. Please enclose your list of service centers with addresses, telephone numbers with contact persons in Kerala. Please note that vendors with wide coverage of service centers in all across Kerala only will be considered.

17. The DG set shall conform to the standard specifications supplied with this notice and any deviation will be suitably penalized. Conditional tenders are not acceptable.

18. Payments will be released by the branches only after successful Supply, Installation and commissioning of DG set units. If found defective, the same will be rejected and should be replaced with new one.

19. Whenever interstate movement of DG set is involved, the compliance and completion of statutory formalities including matters relating to transport, loading, unloading, GST or other access or tax and delivery of Ac's at the bank specified premises shall be at the sole responsibility of and at the cost of vendor only. In case any document is to be signed for the purpose, the same may be obtained by the vendors representative from the specified office/branch of the bank and the same will be signed and returned by the bank after due verification.

20. If any vendor offers any components/parts/equipment of higher capacity

than that specified, it will be considered as equivalent and no weightage will be given.

21. Failure to enclose any / all of the necessary documents and to submit the tender in the required format etc. will disqualify the tender.

22. Bank reserves the right to ask the vendors to divert the ordered equipment for a particular site to a different location / city / site, if the situation so warrants.

23. Indicative price bids shall be submitted in separate sealed covers. The indicative price bids of technically qualified vendors will only be opened for arriving the start price of the auction.

24. The tenderer must use only the form issued by the SBIIMS to provide the Indicative price bid.

25. The Start price and decrement value will be fixed by the SBIIMS. At the end of reverse auction process, the lowest Bidder (L1) will be selected on the basis of Total Price, including taxes, as mentioned in the Reverse Auction format in Annexure -II & Annexure -III

26. The rate should be inclusive of all duties, taxes, GST, transport, transit insurance, loading-unloading etc. No increase in the above is acceptable to the Bank. The rates shall be firm throughout the contract period. No variation in the quoted rates subsequently will be allowed due to revision of tax rates or imposition of new taxes and no additional claims other than quoted rates will be entertained. The rates should be inclusive of the delivery, installation and any type of incidental charges at our sites.

27. Payment will be made at respective Branches/LHO/RBO after successful Installation and commissioning of the system at Branches/LHO/RBO respectively.

i) No advance is payable.

ii) On delivery / receipt of DG SET at site, 70% of the machine cost shall be paid if the site is not ready for installation. The test certificates in original including that of the CT which is to be submitted to Electrical Inspectorate, must be enclosed with the Invoices.

iii) Further, 25% will be paid on completion of Installation, Testing & Commissioning and after obtaining an undertaking towards AMC on stamp paper worth Rs200/-. Any defect/modification reported by the Electrical Inspectorate also will have to be rectified the vendor.

iv) Balance 5% will be held as retention money and shall be paid after the completion of defect liability period of one year.

v) AMC charges will be paid proportionately at the end of every quarter against submission of bill along with copy of the periodical service report done during that quarter.

28. Liquidated damages for delay in supply & Completion: If the delivery is not done within the stipulated time period, a penalty of ½ % of the contracted value per week subject to a Ceiling of 5% of contract value will be levied to the DG set vendor.

29. Earnest Money Deposit (EMD), in the form of DD/TDR/Banker's cheque valid till contract valid period for an amount of Rs50,000/- (Rupees Fifty Thousand only) in favour of ASSISTANT GENERAL MANAGER, SBIIMS, 4TH FLOOR, SBI, LHO, THIRUVANANTHAPURAM is to be submitted. Tenders without EMD will be rejected. EMD will be retained as Security deposit and will be returned to the successful tenderer after the contract validity period.

30. Agreement on stamp paper: The successful tenderer should enter into formal agreement with Bank on stamp paper worth Rs.200/- (at successful tenderer's cost) as per the standard format issued along with this document.

31. Balance 5 % of contract value shall be treated as Retention Money, which will be released after the expiry of defect liability period of one year from the date of commissioning of the DG SET or 15 months from the date of delivery, whichever is earlier or against a suitable Bank Guarantee (at the discretion of the Bank) for an equal amount involved, from any Nationalized Bank other than State Bank of India and valid for the Defects liability period and also upon successful completion of warranty period servicing

32. Warranty shall be applicable to entire set including acoustic enclosure supplied by the vendor. Retention amount is 5% of contract value. The DG set vendor must submit the copies all service reports duly acknowledged by the Branch Manager/Officer in charge of the Branch along with the claim for security deposit release after the period of defect liability.

33. Defects Liability Period :

a) The Defect Liability Period for the contract shall commence from the date of certificate of commissioning (which will be signed by bank's authorized Official) upon satisfactory commissioning of DG SET and remain operative for a period of 12 months from the date of Commissioning of the DG SET.

b) The DG Set shall be maintained by the supplier during warranty period of two years or 5000 hrs of operation whichever ever early. All failed part or parts exhibiting unusual wear and tear during warrantee period shall be replaced without any cost to the owner and such replacement shall be factory approved, new, equal or better than original. All labour, tools, materials, transportation etc required in performance of warranty works shall be at the contractor's expense. The rate is exclusive of all consumables including fuel oil. Routine preventive maintenance which are mandatory as per the manufacturer shall be carried out as per the manufacturer's instruction chart. History card of the DG set giving full details of equipment and frequency of checks and overhaul to be submitted to the Bank.

34. **The Contractor shall provide the first fill of full tank diesel and lube oil while commissioning the generator SET.**

35. SCOPE of AMC: - All failed part or parts exhibiting unusual wear and tear during warranty period of two years/5000hrs shall be replaced without any cost to the owner and such replacement shall be factory approved, new, equal or better than original. All labour, tools, materials, transportation etc required in performance of warranty works shall be at the contractor's expense. Routine preventive maintenance shall be carried out and DG Set history card giving full details of equipment and frequency of checks and overhaul to be submitted to the Bank. **The contractor is also required to do quarterly preventive maintenance and submit the status report in addition to any number of breakdown calls.** Contractor shall give an undertaking in writing that the AMC

shall be undertaken by them as per quoted rates. Consumables such as lub oil, filters etc required for maintenance, during AMC shall be supplied by the Bank. AMC is exclusive of major overhauling of the DG set.

36. TESTING: - The DG Set shall be tested individually by the vendor at their site. In case vendor do not have the in-house testing facilities / expertise, then the same shall be carried out by any authorized agency at vendor's site or at the supply point. In either case satisfactory test report shall be submitted along with the bill. The quoted price of the DG Sets shall be inclusive of testing charges. No payments shall be released unless the satisfactorily test certificates are produced. All the tests given in the specifications shall be carried out and brought out in the test certificates. The bank reserves its right to witness all of the testing arranged at vendors work place or at site after installation at the cost of the DG Sets vendor who will be required to arrange for all requisite variacs, meters, load or any other equipment's required for onsite testing etc. and test shall be carried out by vendor or other institutions mentioned above in the presence of the Electrical Engineer or as directed by the Bank and test certificates obtained as aforesaid.

37. Canvassing in any form in connection with the tender is strictly prohibited and tenders submitted by contractors who resort to such course shall liable to be rejected summarily.

38. Tenders not fulfilling any or all of the conditions prescribed or which are incomplete in any respect shall liable to be rejected.

39. Tenderer shall have to arrange for testing of DG SET, panel and canopy /Integral acoustic enclosure in closed condition.

40. All parameters like voltage, frequency, current, energy in KWH spent on the load shall be recorded at thirty (30) minutes intervals.

41. All testing instruments and diesel etc required to carry out tests shall be provided by the tenderer at their cost.

42. The tenderers shall arrange all such metering equipments including the vibration meter, noise level meter, Megger and tong tester etc for testing at works and commissioning at SBI site where ever required at their cost.

Cables laid for testing the DG SET shall be connected by the DG vendor.

43. The engine, alternator, excitation system, control and auxiliaries shall be duly tested to demonstrate that they comply with specific requirements and guarantee. The Bank or its representatives shall be entitled to carry out inspections and tests during any stage of the manufacture of the machine at supplier's works as per Indian Standard.

44. During the above test, the rise of temperature of all electrical components shall be within the stipulated limits prescribed by IEC for the relevant insulation classes. All control and governor function shall be tested through secondary actuation and fault simulation.

45. The rating of the alternator shall be site rating (de-rated rating, if applicable at the stipulated site conditions). The alternator shall be capable of delivering 10% overload at full voltage and frequency for one hour and in every 12 hours.

46. Type test certificate for alternator:
47. The test is to be done by the manufacturer and test certificate shall be furnished in triplicate while supply of DG SET.
48. The Bank reserves its right to reject any or all tenders without assigning any reason therefore.
49. Should the Invitation to Tender be withdrawn or cancelled by the Bank, which shall have the right to do so at any time, EMD will be returned.
50. TDS as applicable will be deducted from the bills payable to the contractor
51. All safety norms shall be strictly adhered to by the contractor during the execution of the entire contract. All men and machinery has to be covered under suitable insurance by the contractor and Bank is not liable to pay any compensation for the damages to men and machinery under any circumstances during the transit, loading, unloading, installation, testing and commissioning of the DG SET.
52. During the warranty period, the contractor shall undertake periodical check and maintenance of the DG SET including replacement of Engine oil etc as required as per the manufacturer's specification.
53. On successful completion of the installation and before issuance of certificate of virtual completion, the supplier shall prepare and submit the General Arrangement (GA) drawing, Electrical Schematic and control wiring diagram to the Bank as a file along with the catalogues, operation manuals, test certificates and undertaking towards AMC on stamp paper worth Rs200/-. A copy of the drawings and instructions shall be laminated and displayed near the control/AMF panel.
55. One set of pamphlets and operations and instructions manual shall be submitted to our offices. Duly laminated instruction for smooth running of the DG Set in the form of DO's and DONT's shall be attached to the front of the Control Panel; else a suitable amount shall be deducted from the vendor's bill as per the decision of the bank.
56. Quantities contained in the schedule are only indicative and approximate. The work as actually done will be measured up and paid as per terms and conditions of the contract.
57. Each page of the tender documents should be signed by an authorized person in token of having acquainted with the General conditions of contract, specifications, as laid down.
58. All disputes are subject to local Jurisdictions only.
59. In the event of failure or not adhering of tender terms and conditions to execute the contract after the award of work to L1 vendor, the EMD submitted will be forfeited by Bank they shall be blacklisted from participating in future tenders.
60. **The supplier should write neatly with black paint on the Enclosure the capacity, serial no, date of installation, warranty, address of supplier and AMC charges before submitting the bill.**
61. Rate contract is valid for the minimum period of one year from date of

acceptance of L1 rate by the SBIIMS.

Assistant General Manager,
SBIIMS, SBI, LHO, Poojappura

6. Procedure of Reverse Auction:-

Reverse Auction shall be through English Reverse Auction (no ties).

For the proposed reverse auction, technically and commercially short-listed bidders from the Technical bids submitted shall only be eligible to participate in the auction.

SBIIMS will engage M/s E-Procurement Technologies Ltd (abcprocure) as the service provider who will provide all necessary training and assistance before commencement of on line bidding through Internet.

SBIIMS will inform the vendor in writing in case of reverse auction, the details of service provider to enable them to contact and get trained.

Business rules like event date, time, start price, bid decrement, extensions, etc. also will be communicated through service provider for compliance.

Vendors have to email the compliance form in the prescribed format (provided by service provider) before start of Reverse auction. Without this the vendor will not be eligible to participate in the event.

Reverse auction will be conducted on schedule date & time.

At the end of reverse auction event, the lowest bidder value will be known on the network.

The lowest bidder has to email the duly signed filled-in prescribed format as provided by SBIIMS through service provider within 24 hour of auction without fail which is Price Confirmation Letter and Annexure I (Price break up as per BOQ for Indicative as well as final break up after the reverse auction) within 24 hours after completion of reverse Auction.

In case SBIIMS decides not to go for Reverse auction procedure for this tender enquiry, the price bids and price impacts, if any already submitted and available with SBIIMS shall be opened as per SBI standard practice.

The reverse auction will be treated as closed only when the bidding process gets closed in all respects for the item listed in the tender.

CONTACT INFORMATION

e-Procurement Technologies Ltd	STATE BANK OF INDIA
e-Procurement Technologies Ltd., Address: B- 704/705, Wall Street – II, Opp. Orient Club, Ellisbridge, Ahmedabad – 380006, India Contact: sujith@eptl.in Phone: +91-79-40270 579 580 590	Assistant General Manager, SBIIMS, 4TH Floor, Local Head Office, State Bank of India. Poojappura, Thiruvananthapuram-695012 Office Tel. No.: 0471-2192435; 2192410

SBI shall finalize the DG installation work against this Tender through reverse auction mode. SBIIMS has made arrangement with M/s. E-Procurement Technologies Ltd. (abcprocure) who shall be SBIIMS's authorized service provider for the same. Please go through the guidelines given below and give your acceptance to the same.

Computerized Reverse auction shall be conducted by SBIIMS, on pre-specified date, while the vendors shall be quoting from their own offices/ place of their choice. Internet connectivity and other paraphernalia requirements shall have to be ensured by vendors themselves. In the event of failure of their Internet connectivity, (due to any reason whatsoever it may be) it is the bidder's responsibility / decision to send email communication, immediately to M/s. E-PROCUREMENT TECHNOLOGIES LTD (ABCPROCURE). Furnishing the price, the bidder wants to bid online, with a request to M/S. E-PROCUREMENT TECHNOLOGIES LTD

(ABCPROCURE) to upload the emailed price on line so that the service provider will up load that price on line on behalf of the Bidder. It shall be noted clearly that the concerned bidder communicating this price to service provider has to solely ensure that the email message is received by M/S. E-PROCUREMENT TECHNOLOGIES LTD (ABCPROCURE) in a readable / legible form and also the Bidder should simultaneously check up with M/S. E- PROCUREMENT TECHNOLOGIES LTD (ABCPROCURE) over phone about the clear receipt of the price emailed. It shall also be clearly understood that the bidder shall be at liberty to send such email communications of prices to be up loaded by M/S. E-PROCUREMENT TECHNOLOGIES LTD (ABCPROCURE) only before the closure of Bid time and under no circumstances it shall be allowed beyond the closure of bid time. Such bidders have to ensure that the service provider is given a reasonable required time by the bidders, to upload such emailed prices online and if such required time is not available at the disposal of M/S. E-PROCUREMENT TECHNOLOGIES LTD (ABCPROCURE). at the time of receipt of the email message from the bidders, M/S. E-PROCUREMENT TECHNOLOGIES LTD (ABCPROCURE) will not be uploading the prices. It is to be noted that SBIIMS or M/S. E-PROCUREMENT TECHNOLOGIES LTD (ABCPROCURE) are not responsible for these unforeseen circumstances. In order to ward-off such contingent situation, bidders are requested to make all the necessary arrangements / alternatives whatever required so that they are able to circumvent such situation and still be able to participate in the reverse auction successfully. However, the vendors are requested to not to wait till the last moment to quote their bids to avoid any such complex situations.

Please note that the start price of an item in online reverse auction is open to all the participating technically short-listed bidders. Any bidder can start bidding, in the online reverse auction, from the start price itself or lower. Please note that the first online bid that comes in the system during the online reverse auction can be equal to the auction's start Price, or lesser than the auction's start price by one decrement, or lesser than the auction's start price by multiples of decrement. The subsequent bid that comes in to outbid the L1 rate will have to be lesser than the L1 rate by one decrement value or in multiples of the decrement value.

M/S. E-PROCUREMENT TECHNOLOGIES LTD (ABCPROCURE) shall arrange to train your nominated person(s), without any cost to you. They shall also explain

you, all the Rules related to the Reverse Auction/ Business Rules Document to be adopted along with bid manual. You are required to give your compliance on it before start of bid process.

BIDDING CURRENCY AND UNIT OF MEASUREMENT: Bidding will be conducted in Indian Rupees (INR). Bidder has to quote Price for the given item as mention in the tender document on Lumpsum basis (Note:-Prices quoted should be inclusive of all Central / State Government taxes, cost of incidental services such as transportation, insurance etc along with Supply, Installation, Testing and Commissioning)

Starting Bid/Bid Decrement: The opening price of the RA and the bid decrement value shall be available to the bidders on their bidding screen

BID PRICE: Bidder has to quote Price for the given item on Lumpsum (“ Prices quoted should be inclusive of all Central / State Government taxes etc and also cost of incidental services such as transportation, insurance, loading ,unloading, Supply, Installation ,testing and commissioning cost etc.”)

1. **VALIDITY OF BIDS:** The Bid price shall be firm for a period specified in the tender document and shall not be subjected to any change whatsoever.

2. At the end of the reverse auction, bidder has to provide a detail break up for his lowest offer within 24 hour of closing of auction (Annexure I) and Price confirmation letter within 1 hour of closing of auction.

Terms & Conditions of Reverse Auction

LOG IN NAME & PASSWORD: Each Bidder is assigned a Unique User Name & Password by M/S. E-PROCUREMENT TECHNOLOGIES LTD. (ABCPROCURE). The Bidders are requested to change the Password after the receipt of initial Password from M/S. E-PROCUREMENT TECHNOLOGIES LTD. (ABCPROCURE). All bids made from the Login ID given to the bidder will be deemed to have been made by the bidder.

BIDS PLACED BY BIDDER: The bid of the bidder will be taken to be an offer to execute the work. Bids once made by the bidder cannot be cancelled. The bidder is bound to execute the work as mentioned above at the price that they bid. Should any bidder back out and not make the supplies as per the rates quoted, SBI and / or M/S. E-PROCUREMENT TECHNOLOGIES LTD. (ABCPROCURE) shall take action as appropriate.

LOWEST BID OF A BIDDER: In case the bidder submits more than one bid, the lowest bid will be considered as the bidder's final offer to execute the work.

DURATION OF AUCTION: The auction will be of 1 hour duration. In case there is any acceptable bid quoted by any bidder within 5 minutes of closing of the auction, the auction will be extended for another 5 minutes from the time that Bid comes in. However, vendors are advised not to wait till the last minute or last few seconds to enter their bid during the auto-extension period to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc. (THIS SCHEDULE IS TENTATIVE. IF ANY CHANGE IN SCHEDULE, THE SAME SHALL BE COMMUNICATED TO YOU)

BID DECREMENT: The minimum Bid decrement shall be available to the Bidders at the start of the auction. The bidder can view the same by clicking on the Item details at the start of the auction. The bidder can bid lower than the Lowest Bid

in the auction by a decrement, multiple of the minimum Bid decrement or at least of minimum bid decrement plus multiples of Bid Decrement. Also, please note that the start price of an item in online reverse auction is open to all the participating bidders. Any bidder can start bidding, in the online reverse auction, from the start price itself. Also, please note that the first online bid that comes in the system during the online reverse auction can be equal to the auction's start price, or lesser than the auction's start price by one decrement, or lesser than the auction's start price by multiples of decrement. The second online bid and onwards will have to be lesser than the L1 rate by one decrement value, or lesser than the L1 rate by multiples of the decrement value.

VISIBILITY TO BIDDER: The Bidder shall be able to view the following on his screen along with the necessary fields during English Reverse – No ties Auction:

Leading Bid in the Auction

Bid Placed by him

Rank of the respective bidder

Start Price & Bid Decrement Value

AUCTION WINNER: At the end of the Reverse Auction, SBI will evaluate all the bids submitted and will decide upon the winner.

OTHER TERMS & CONDITIONS:

The Bidder shall not involve himself or any of his representatives in Price manipulation of any kind directly or indirectly by communicating with other suppliers / bidders.

The Bidder shall not divulge either his Bids or any other exclusive details of SBIIMS to any other party.

SBIIMS decision on award of Contract shall be final and binding on all the Bidders.

SBI along with M/S. E-PROCUREMENT TECHNOLOGIES LTD. (ABCPROCURE) can decide to extend, reschedule or cancel any Auction. Any changes made by SBI and / or M/S. E-PROCUREMENT TECHNOLOGIES LTD. (ABCPROCURE) after the first posting will have to be accepted if the Bidder continues to access the site after that time.

M/S. E-PROCUREMENT TECHNOLOGIES LTD. (ABCPROCURE) shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause.

M/S. E-PROCUREMENT TECHNOLOGIES LTD. (ABCPROCURE) is not responsible for any damages, including damages that result from, but are not limited to negligence. M/S. E-PROCUREMENT TECHNOLOGIES LTD. (ABCPROCURE) will not be held responsible for consequential damages, including but not limited to systems problems, inability to use the system, loss of electronic information etc.

Important Note:-

All the Bidders are required to submit the scan copy of Process Compliance Statement duly signed to M/s e-procurement technologies pvt ltd on their letter head.

All the bidders are requested to ensure that they have a valid Digital certificate well in advance to participate in the online event. Under no circumstances will the bidders be allowed to participate in the online event without Digital Certificate.

After the completion of the Auction event, L-1 Bidders have to submit the Price Confirmation Letter as per the Business rule document within 24 Hours immediately to M/s e-procurement technologies pvt ltd SBI for further proceedings on their letter head.

7.ARTICLES OF AGREEMENT

ARTICLES OF AGREEMENT made the _____ day of _____ 2020 between Assistant General Manager, Premises & Estate, State Bank Of India, Local Head Office, Thiruvananthapuram (hereinafter called the “Employer”) of the _____ one _____ part _____ and _____ of _____ (hereinafter called “The Contractor”) of the other part, where as the Employer is desirous of getting the work of “Supply & Installation of DG sets of various ratings for Branches & Offices in Kerala, Mahe, Lakshadweep- Rate contract ” executed and has caused conditions of contract, specifications and schedule of quantities etc., describing the works prepared by SBIIMS AND WHEREAS the SAID documents numbered as per list attached inclusive of _____ and the conditions of contract, specifications and schedule of quantities etc., have been signed by or on behalf of the parties hereto.

AND WHEREAS THE CONTRACTOR has agreed to execute upon and subject to the conditions set forth in the Schedule hereto (hereinafter referred to as “Said Conditions”) the works described in the same specifications and included in the said schedule of quantities for such sum as may be ascertained to be payable in terms of the Bills of Quantities against each type of air conditioner.

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. In consideration of the said sum to be paid at the times and in the manner set forth in the said conditions, the contractor shall upon and subject to the said conditions, execute and complete the work shown detailed in Notice to Contractors and described in the said specifications.
2. The Employer shall pay the contractor the said sum or such sums as shall become payable hereunder at the times and in the manner specified in the said conditions.
3. Tender documents containing Notice to the Contractor, Conditions of Contract, other conditions, Technical bid with Specifications, Price breakup and work order with the rates entered therein, shall be read and studied as forming part of this agreement and the parties hereto shall respectively abide by and submit themselves to the conditions and stipulations and perform the agreement on their part respectively in such conditions contained.
4. Time shall be considered a the essence of this agreement and the contractor hereby agrees to complete the work within 15 days reckoned from the date of issue of work order to execute the work, as provided for in the said conditions.
5. DG set Engine and Alternator will be having warranty of two years from its date of commissioning.
6. The DG set supplied will be under the AMC of the contractors for four years after the warranty period of Two years as per the rates (attached) payable at the end of each quarter.
7. This agreement and contract shall be deemed to have been made in Thiruvananthapuram and any questions or dispute rising out of or in any way

connected with this Agreement and Contract shall be deemed to have arisen in Thiruvananthapuram and only the courts in Thiruvananthapuram shall have jurisdiction to determine the same. The limitation period will be 90 days from the date of dispute having arisen.

AS WITNESS our hand this _____ day of _____ 2020

Signed by the said in the presence of:

WITNESS : SIGNATURE

CONTRACTOR

NAME :

ADDRESS :

EMPLOYER

WITNESS : SIGNATURE

NAME :

ADDRESS :

8. LIST OF APPROVED MAKES - ANNEXURE –I

COLUMN 4 TO BE FILLED IN BY THE TENDERER

SL. NO.	DESCRIPTION	APPROVED MAKES	MAKE OFFERED BY THE TENDERER (Please fill in only one make against each item)
1	Diesel Engine	Cummins/Greaves/ Kirloskar Green/Mahindra & Mahindra / Ashok leyland / Eicher	
2	Alternator	Stamford / Kirloskar Green / Greaves / KEC / Trident Power P. Ltd / Leroy Somer /CG	
3	Control Panel	Own make	
4	MCCB	L&T / Siemens / Havells / GE Power / ABB	
5	Relays	Areva / Easun Reyrolle / L&T / ABB	
6	Meters	AE / IMP / Industrial Controls / Meco / L & T	
7	Contactors	L&T / Siemens / Cutler Hammer	
8	UG Cable, Control Cable	Finolex / Asian / CCI / Gloster / Polycab / Universal Cables / Nicco / Thermopad	
9	CTs	AE / Indcoil / Kappa / Precision	
10	KWH meter	BHEL / Sea Horse / AE / Imp	
11	Cable glands	Baliga / Comet / FCG / Flexpro/ FEPL	
12	Cable lugs	Dowells / Multi	

Place:

Date :

Signature of Tenderer

Address with seal

9. TECHNICAL SPECIFICATION FOR DIESEL GENERATOR SET

(a) DIESEL ENGINE:

(i) Make: Kirloskar Green/Cummins/Greaves/Mahindra/Ashok Leyland/Mahindra/Eicher

(ii) Multi Cylinders, Liquid/Air Cooled, 1500 RPM, Diesel engine

(b) Alternator specification:

(i) Make: Stamford/Kirloskar Green/Kirloskar Electric/Greaves/CG.

(ii) Capacity: 15/20/30/40/62.5/100/125 KVA at 0.85 PF, 415 Volts, 3Phases, 4wires, 50 Hz.

(iii) The regulation from no-load to full load shall not exceed 1.0 %.

(iv) The alternator shall be of brush less type design, self-excited of robust construction. The alternator shall be suitable for continuous rating with ambient temperatures of 40 degrees centigrade. 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) It shall withstand 10% overload for one hour every 12 hour duration on operation. The alternator shall confirm drip proof constructions as per IS: 4722 (At least IP 23).

(C) SOUND PROOF ENCLOSURE:

(i) Noise Level permitted: Wherever acoustic insulation is provided 75 db at 1.0 meter from DG set under free field condition meeting CPCB II 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 manufactures.

(iv) Hinged / Sliding door will be provided on either side. Sufficient maintenance access shall be provided in the design of the acoustic enclosure.

(e) 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.

(f) 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.

(g) The DG set shall be mounted on foundation as required.

AUTOMATIC MAINS FAILURE PANEL (WHEREVER REQUIRED):

(i) AMF control panel for auto starting wherever required 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 Control/AMF 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. 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 commissioning.

(iii) All Wiring, Earthing with Terminations inside the Control panel shall be done with copper conductors / cables/solid copper links and are under the scope of the DG set supplier. 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.

a) Type: Cubical, front operated with detachable cable gland plates at top and bottom.

b) Enclosure 14G CRCA suitably rust inhibited with powder coated with 7 tank treatment process and provided with square section rubber gaskets IP52 enclosure.

c) Mounting Floor / Wall mounted with supporting legs or blank panel.

d) Circuit breakers: Double Breaker for DG set and Mains isolation.

e) Instrument panel: AC Voltmeter (0-600V) Voltmeter Selector switch fitted with AC-Ammeter of suitable range, Ammeter selector switch, KWH Meter, Frequency Meter, Running Hour Meter

(iv) Indicating lamps for

Load on Mains.

Load on Generator

Set fails to start

Low Lubricating oil Pressure

(v) 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

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

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

(viii) 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 / contractor 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 present time.

The AMF panel shall have facility to operate the set under test, Auto, Manual mode.

Note:- A bypass switch for AMF panel should also be provided so it can be used in case of malfunction of AMF panel. Suitable Battery charger of reputed make with DC Volt & Ammeter, trickle & boost charge is also included along with the item 'DG set with accessories for all ratings. Full provision with wiring upto the connector inside the control panel is to be provided to connect the cable for remote ON-OFF push button with indication.

Place :

Signature

Date :

Stamp

TECHNICAL SPECIFICATIONS

a) FOR 15/ 20/30/40/62.5 KVA

SL No	Specifications	Bank's requirement	Please specify the details of the Model
	DIESEL ENGINE	Indigenous heavy duty capability	
	Make	Kirloskar/Cummins/Greaves/ Mahindra/Ashok Leyland/ Mahindra/Eicher	
		Vendor has to specify and attach the product cataloug	
	Type of cooling	Water Cooled/ Air cooled	
	No of cylinders	Multi Cylinders – Equal or more than two – 15, 20KVA Equal or more than three- 30,40,62.5KVA	
	RPM	1500 RPM	
	BHP	15KVA- 20HP or higher 20KVA – 25HP or higher 30KVA – 42HP or higher 40KVA – 50HP or higher 62.5KVA–76HP or higher	
	Aspiration	15/20 KVA –Natural aspirated 30/40/62.5KVA - Turbo Charged 75KVA – Turbo	
	Fuel consumption at 75% load	15KVA- less than 3.5 Ltr/hr	

		20 KVA- less than 4Ltr/hr 30KVA – less than 6Ltr/hr 40KVA – less than 8Ltr/hr 62.5KVA– less than 11.6Ltr/hr	
	Type of Governor	15KVA,20KVA – Mechanical or A1 class or Electronic For other ratings - A1 or Electronic	
	Starting Motor	12V / 24V DC	
	Type of starting	Electric start or Key or push button	
	Integrated Diesel Tank - capacity	50Ltr or more for 15 & 20KVA 65 ltrs or more for 30 & 40 KVA 100 Ltrs or more for 62.5KVA	
		Oil pressure Gauge, Air Vent, Battery Charging alternator unit and voltage regulator suitable for charging Battery with interconnecting leads and Terminals. Battery: Exide, Amaron	
	Silencer	Residential quality flexible exhaust pipe	
	PROTECTIONS		
	Low Lube oil pressure trip	Must	
	High water temperature trip	Must	
	Low fuel level trip	Must	

	High and low speed cut off	Must	
	Lube oil change period	More than 500 hours	
b	Alternator		
	Make	Stamford/Kirloskar/Kirloskar Electric/Greaves/Leroy Somer	
		Vendor has to specify and attach the product catalog	
	Model	4 Pole 1500 RPM Synchronous	
	Type	Brush less with AVR	
	Excitation	Self Excited	
	KVA/KW	15,20,30,40,62.5KVA	
	Power factor	Not less than 0.8	
	RPM/Volts/Phase	1500RPM/415V/3 Phase	
	Insulation	CLASS H	
	Regulation	The regulation from no-load to full load shall not exceed 1.0 %	
		The alternator shall be suitable for continuous rating with ambient temperatures of 40 degrees centigrade	
		The voltage control shall be through automatic voltage regulator unit (AVR).	
		The AVR unit shall de-excite the alternator in case of short circuit.	
		It shall withstand 10% overload for one hour every 12 hour duration on operation.	

		The alternator shall confirm drip proof constructions as per IS: 4722 (At least IP 23).	
C	Control panel	Control panel shall be provided with neutral complying Electrical Inspectorate standards	
		4 pole MCB of suitable Protection for Lower ratings 4 Pole MCCB of suitable rating protection for Higher ratings	
	Instrumentation	Composite Digital Meter to indicate Voltage and load current of all phases sequentially, RPM, Running Hour Meter. Meters to indicate load level and fuel level. KWH Meter, Frequency Meter.	
	Fabrication	Fabrication of the panel and DG set controls fitted therein should be as per standards of Kerala State Electrical Inspectorate. Connections from the alternator terminal to the control panel should be free done	
D	Acoustic Enclosure	Integral Acoustic enclosure	
	Make	Vendor to specify	
	Approval	From state pollution control board/CPCB /AR Engine Emission Norms of CPCB II must be complied. Engine Emission certificate for DG sets of various ratings shall be submitted Wherever acoustic insulation is	

		provided,75 db at 1.0 meter from DG set under free field condition meeting CPCB II norms	
	Surface coating	Zinc Phosphate and power coated	
E	Service support		
	AMC should be provided after warranty period of 2 years	Must	
	Warranty Period	Two years/5000 hrs from the date of commissioning of the DG SET. Please mention the details regarding the maintenance schedule during warranty period service.	
	Periodical chart	Maintenance chart to be furnished by the vendor	

b) FOR 100/125KVA

SL No	Specifications	Bank's requirement	Please specify the details of the Model
	DIESEL ENGNE	Indigenous heavy duty capability	
	Make	Kirloskar/Cummins/ Greaves/Mahindra/ Ashok Leyland/Eicher	
		Vendor has to specify and attach the product catalog	
	Type of cooling	water Cooled	
	No of cylinders	Multi Cylinders – 4 or higher 100/125KVA	
	RPM	1500 RPM	
	BHP	100KVA – 122HP or higher 125KVA – 152HP or higher	
	Aspiration	100KVA – Turbo or naturally aspirated 125KVA - Turbo Charged	
	Fuel consumption at 75% load	100KVA – less than 18Ltr/hr 125KVA – less than 22 Ltr/hr	
	Type of Governor	Mechanical A1 class or Electronic	
	Starting Motor	12V /24V DC	
	Type of starting	Electric start or Key or push button	
	Integrated Diesel Tank capacity	100KVA - 200 Ltrs or more 125KVA - 200 Ltrs or more	

		Oil pressure Gauge, Air Vent, Battery Charging alternator unit and voltage regulator suitable for charging Battery with interconnecting leads and Terminals. Battery: Exide, Amaron	
	Silencer	Residential quality with flexible exhaust pipe	
	PROTECTIONS		
	Low Lube oil pressure trip	Must	
	High water temperature trip	Must	
	Low fuel level trip	Must	
	High and low speed cut off	Must	
	Lube oil change period	More than 500 hours	
b	Alternator		
	Make	Stamford/Kirloskar/ KirloskarElectric/ Greaves/Leroy Somer	
		Vendor has to specify and attach the product catalog	
	Model	4 Pole 1500 RPM Synchronous	
	Type	Brushless with AVR	
	Excitation	Self Excited	
	KVA/KW	100/125 KVA	
	Power factor	Not less than 0.8	
	RPM/Volts/Phase	1500RPM/415V/3 Phase	
	Insulation	CLASS H	

	Regulation	The regulation from no-load to full load shall not exceed 1.0 %	
		The alternator shall be suitable for continuous rating with ambient temperatures of 40 degrees centigrade	
		The voltage control shall be through automatic voltage regulator unit (AVR).	
		The AVR unit shall de-excite the alternator in case of short circuit.	
		It shall withstand 10% overload for one hour every 12 hour duration on operation.	
		The alternator shall confirm drip proof constructions as per IS: 4722 (At least IP 23).	
C	Control panel	Control panel shall be provided with neutral complying Electrical Inspectorate standards	
		4 Pole MCCB of suitable rating protection for Higher ratings	
	Instrumentation	Composite Digital Meter to indicate Voltage and load current of all phases sequentially, RPM, Running Hour Meter. Meters to indicate load level and fuel level. KWH Meter, Frequency Meter.	
	Fabrication	Fabrication of the panel and DG set controls fitted therein should be as per standards of Kerala State Electrical Inspectorate. Connections from the alternator terminal to the control panel should be free done	
D	Acoustic	Integral Acoustic enclosure	

	Enclosure		
	Make	Vendor to specify	
	Approval	<p>From state pollution control board/CPCB /AR</p> <p>Engine Emission Norms of CPCB II must be complied.</p> <p>Engine Emission certificate for DG sets of various ratings shall be submitted</p> <p>Acoustic insulation is provided, 75 db at 1.0 meter from DG set under free field condition meeting CPCB II norms</p>	
	Surface coating	Zinc Phosphate and power coated	
E	Service support		
	AMC should be provided after warranty period of 2 years	Must	
	Warranty Period	Two years/5000 hrs from the date of commissioning of the DG SET. Please mention the details regarding the maintenance schedule during warranty period service.	
	Periodical chart	Maintenance chart to be furnished by the vendor	

10. LETTER OF UNDERTAKING TO BE GIVEN BY THE CONTRACTOR

To

The Assistant General Manager

SBIIMS,

4th Floor, SBI LHO building

Thiruvananthapuram

Dear Sir,

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF DIESEL GENERATOR SETS OF VARIOUS RATINGS 15/20/30 /40/ 62.5/ 100/ 125 KVA FOR SBI OFFICES/BRANCHES AT KERALA:

After having duly examined the tender documents including Notice inviting Tender specifications, bill of quantities relating to the works and having acquired all the requisite information relating thereto as affecting this tender, I/we hereby offer to execute the works specified / quoted therein at the rates specified as per Bill of Quantities.

Should this tender be accepted, in whole or in part, I/we hereby agree to abide by and fulfill all the terms and provision of the said Conditions of Contract annexed hereto and the Conditions of Tender so far as applicable or in default thereof to forfeit and pay to the Asst. General Manager (P&E), State Bank of India, Local Head Office, Poojppura, Thiruvananthapuram 695012, the sum of money mentioned in the said conditions.

We, the undersigned, also confirm that

- a) We are agreeable for the Bank's payment terms and conditions.
- b) Our rates are inclusive of all taxes including GST, duties, octroi, handling, transport, installation at your site, testing and commissioning at your site.
- c) We have enclosed all the relevant documents required by you.
- d) Until a formal contract is prepared and executed, this tender document together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.
- e) We understand that State Bank of India reserves the right to accept or reject any or all tenders without assigning any reason whatsoever thereof.
- f) I/We agree (i) that should I/we fail to commence the work specified in the above mentioned memorandum the Bank shall without prejudice to any other right or remedy be at liberty to forfeit the Earnest Money.
- g) We enclose EMD in favour of "AGM(P&E), SBI, LHO, Thiruvananthapuram" whose particulars are as under:

BC/DD no:

dated

for Rs

issued by

h) Our Bankers are :

1.

2.

i) The name of Partners of our firm are :

1.

2.

Signature of Witness

Address

Signature of Tenderer

Seal and address

12. PRICE BREAK UP FORMAT AFTER REVERSE AUCTION

Sl No	Description of work	Price for areas except Lakshadweep (15/20/30/40/62.5/100/125 KVA)	Price for Lakshadweep (15/20/30/40/62.5/100/125 KVA)
1	Supply of DG set and accessories		
2	Installation, testing, commissioning of DG set along with the required control cabling. It includes suitable battery charger of reputed make with DC volt & Ammeter, Trickle & boost charge shall be provided Full provision with wiring upto the connector inside the control panel is to be provided to connect the cable for remote ON-OFF push button indication		
3	Exhaust pipe extension – Charges for extending the exhaust pipe to adequate height with coating of Heat resistant paint with suitable grading as per Inspectorate norms (Per meter)		
4	Thermal insulation with Aluminium cladding (Per meter)		
5	Foundation cost		
6	SITC of AMF panel		

7	Year wise AMC charges for 4 years after the warranty period of 2 years (excluding GST)		

13. (INDICATIVE PRICE BID) - ANNEXURE- III

TO BE TYPED IN THE LETTER HEAD AND SUBMITTED IN A SEPARATE SEALED ENVELOPE SUPERSCRIBING 'INDICATIVE PRICE BID FOR SUPPLY, INSTALLATION TESTING AND COMMISSIONING OF DGSETS FOR SBI OFFICES/BRANCHES AT KERALA'

To

The Assistant General Manager

SBIIMS,

Circle Office

Thiruvananthapuram

Dear Sir,

We have read the bank's terms and conditions and understood the same. We confirm that we are agreeable for the Bank's terms and conditions and quote our competitive offer as follows:

To be given separately for Lakshadweep

		Price for areas except Lakshadweep	Price for Lakshadweep
	SUPPLY OF DG SET	Rs.	
	15 KVA		
	20 KVA		

	<p>30 KVA</p> <p>40 KVA</p> <p>62.5 KVA</p> <p>100 KVA</p> <p>125 KVA</p> <p>(Including charges for transport, loading, unloading, transit insurance, all applicable taxes etc)</p>		
2.	<p>Installation, testing, commissioning of DG set along with the required control cabling. It includes suitable battery charger of reputed make with DC volt & Ammeter, Trickle & boost charge shall be provided. Full provision with wiring upto the connector inside the control panel is to be provided to connect the cable for remote ON-OFF push button indication</p> <p>15 KVA</p> <p>20 KVA</p> <p>30 KVA</p>	Rs.	

	<p>40 KVA</p> <p>62.5 KVA</p> <p>100 KVA</p> <p>125 KVA</p> <p>(including cost of testing charges including all applicable taxes etc)</p>		
3	<p>Exhaust pipe extension – Charges for extending the exhaust pipe to adequate height with coating of Heat resistant paint with suitable grading as per Inspectorate norms. Rate per running meter in Rs</p> <p>15 KVA- per meter</p> <p>20 KVA -per meter</p> <p>30 KVA -per meter</p> <p>40 KVA - per meter</p> <p>62.5 KVA - per meter</p> <p>100 KVA - per meter</p>		

	125 KVA - per meter								
4	Charges for Thermal Insulation. Rate per running meter in Rs								
5	Foundation cost for the DG sets 15 KVA 20KVA - 30KVA - 40KVA - 62.5 KVA - 100KVA - 125KVA -	Rate to be quoted in Rs							
6	AMC for 4 years including all charges for periodical inspection, overhauling, preventive maintenance and unlimited breakdown calls and all taxes etc. exclusive of GST after one year defect liability period.	First Year without GST	Second Year without GST	Third Year without GST	Fourth Year without GST	First Year without GST	Second Year without GST	Third Year without GST	Fourth Year without GST

	15 KVA								
	20 KVA								
	30 KVA								
	40 KVA								
	62.5 KVA								
	100 KVA								
	125 KVA								

7	SITC of AMF panel for the DG sets	Quantity	Rate in Rs	
	15 KVA -	1		
	20 KVA -	1		
	30 KVA -	1		
		1		

	40 KVA -	1		
	62.5 KVA -	1		
	100 KVA -	1		
	125 KVA -			

Note: Please do not give any breakup details in this sheet. Please quote the final price after carefully working out all the details. No further claims or variation in the quote will be accepted.

Contractor's signature with company stamp