

**TENDER FOR HIRING OF ONE 20KVA DIESEL GENERATOR SET FOR
SBI, NEW COLLECTORATE BHAWAN BRANCH, ALMORA, UTTARAKHAND**

Tender ID : **AO--7/RBO-II/2024 /GEN/07,**

START DATE: 27.06.2024

CLOSE DATE: 06.07.2024

NOTICE INVITING TENDERS

SBI REGIONAL BUSINESS OFFICE, RBO-II, ALMORA, UTTARAKHAND, invites Tenders on urgent basis for hiring of one 20 KVA Diesel Generator Set at SBI, NEW COLLECTORATE BHAWAN BRANCH, ALMORA, UTTARAKHAND from individual / Firm / eligible for Hiring of Generators. The other details of the tender are as under:

1.	Name of Work and location of work.	HIRING OF ONE 20 KVA DIESEL GENERATOR SET AT SBI, NEW COLLECTORATE BHAWAN BRANCH, ALMORA, UTTARAKHAND
2	Eligibility of criteria	Individual / Firm (shall have good track record in terms of timely delivery with quality)
3	Cost of Tender Documents cum processing Fee (Non-refundable)	Free of Cost
4	Earnest Money Deposit (EMD)	Rs. 5,000/- (Rupees Five Thousand only) in the form of Demand Draft issued by any nationalized/Scheduled Bank drawn in favour of "AGM,RBO 2, Almora " payable at Almora which shall be returned after successful completion of the tender..
6	Availability of Tender document.	up to 06.07.2024 up to 03.00 PM
7	Last date, time and place for submission of Technical Bid.	The individual / Firm /submit Bid Hardcopy of following documents, in a sealed cover shall be submitted in the office by post to The Assistant General Manager, State Bank Of India, Region-2, At Shikhar Hotel, The Mall Road Almora, District Almora-263601 copies of following document on or before Dt. 06.07.2024 up to 03:00 PM : i) Process Compliance form in company letter head duly signed and stamped by authorize representative. ii) Letter of Undertaking in Individual / Firm /company letter head duly signed and stamped by authorize representative. iii) Tender document duly signed by the bidder all pages. iv) EMD DD/Bchq/Cheq

		<p>Hardcopy of following documents, in a sealed cover shall be submitted in the office of : The Assisstant General Manager State Bank Of India, Region-2, At Shikhar Hotel, The Mall Road Almora, District Almora-263601 on or before 06.07.2024 up to 03.00 PM</p> <p>i) Process Compliance form in company letter head duly signed and stamped by authorize representative. ii) Letter of Undertaking in company letter head duly signed and stamped by authorize representative. iii) EMD submission receipt</p> <p>This envelope shall be endorsed on the outside face as under: <u>“TENDER FOR HIRING OF ONE 20 KVA DIESEL GENERATOR SET FOR SBI, NEW COLLECTORATE BHAWAN BRANCH, ALMORA, UTTARAKHAND”</u></p> <p><u>Tenders received without any one or more document as mentioned (online/offline) above shall be rejected.</u></p> <p>After the accomplishment of tendering procedure, the successful bidder shall submit the hard copy of the Technical document duly signed with seal in all pages by the authorized representative/proprietor of the firm at the above mentioned office.</p>
8	Date, Time and Place of opening of Technical Bid.	Date and time of opening of financial bid will be announced at the time of opening of Technical bids.
09	Validity for Offer	3 (Three) Months from The Date of Opening of Price-Bid
10	Commencement of Work.	7th Day from the date of receiving of Work Order or soon after handing over of site whichever is earlier
11	Time for completion of work.	15 days from date of Commencement.
12	Deduction of income tax and GST (GST N/A For Individual)	<p>A) Income Tax will be deducted at source as per Govt. Guidelines. B) Reimbursement of GST will be made only on submission of proper GST invoice as per applicable GST provision. The contractor should comply with the following.</p> <p>1. Contractor should have GST Rregistration Number 2. Invoice should specifically/separately disclose the amount of GST levied at applicable rate as per GST provision</p>

		<p>3. In case of Correction in the bills after scrutiny, contractor should submit fresh bills for payment</p> <p>4. Contractor should timely file his GST return in accordance with GST provisions to enable the bank to claim the credit of GST paid to the contractor</p>
13	Terms and Mode of payment	<p>i) No advance payment will be made to the contractor.</p> <p>ii) Payment shall be made by way of Electronic fund transfer and the bill will be paid by the SBI. Individual /Firm should furnish details of the bank, A/c no, IFSC code.</p>
14	Liquidated Damages for Delay	<p>If the bidder is not able to complete the work within 15 days from date of issue of work order, 1.25 % Per week subject to total amount of 5% of Contract Value and no fresh tenders may be issued in future .</p>

- 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 bidder, who is the authorized representative and participating on behalf of company/ Dealer/vendor, should have a valid digital signature certificate (DSC) for this e-tender. The validity of the DSC should be at least 3 months.
- Those bidders should submitted their price bid online within timeline, failing which tender summarily rejected.
- SBI reserves its rights to accept/reject any/all tender without assigning any reasons whatsoever.
- The L-1 Vendor (successful bidder) shall sign and stamp each page of the tender document thereby ensuring the number and sequence of all pages after completion of the tendering procedures.
- Conditional tenders are liable for rejection.
- The given quantity of items in price bid is approximate and may increase or decrease or delete during or before execution of work. No compensation shall be made for the same. The payment shall be made on the basis of actual measurement of work done after submission of detail bill by the contractor.

Regional Manager
SBI- Regional Business Office
RBO-II, ALMORA, UTTARAKHAND

LETTER OF UNDERTAKING

To,

The Regional Manager
STATE BANK OF INDIA
4th Floor, Hotel Shikhar RBO-2 ALMORA,
District:- ALMORA
Uttarakhand – 263601

Dear Sir,

TENDER FOR HIRING OF ONE 20 KVA DIESEL GENERATOR SET FOR SBI, NEW

COLLECTORATE BHAWAN BRANCH, ALMORA, UTTARAKHAND

Having examined the terms & conditions, specifications, design relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto and affecting the quotation/tender, I/We hereby offer to execute the works specified in the said memorandum within the time specified in the said memorandum in accordance in all respect with the specifications, design, drawings and instructions in writing referred to in conditions of Tender, conditions of contract and with such conditions so far as they may be applicable.

MEMORANDUM

(a)	Description of work	TENDER FOR HIRING OF ONE 20 KVA DIESEL GENERATOR SET FOR SBI, NEW COLLECTORATE BHAWAN BRANCH, ALMORA, UTTARAKHAND
(b)	Earnest Money	Rs.5,000/- (Rupees Five Thousand Only) online
(c)	Time allowed for completion of work from the date of issue of work order.	15 days from the date of commencement as per tender.

Should this tender be accepted, I/we hereby agree to abide by and fulfill the terms and provisions of the said conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit and pay to SBI, the amount mentioned in the said conditions.

I/we have submitted DD/BC/Cheq for a sum of Rs 5,000/- (Rupees Five Thousand Only) as Earnest money deposit with the SBI, RBO-II, ALMORA, UTTARAKHAND payable at SBI Almora (0605) Should I/we do fail to execute the contract when called upon to do so, I/we hereby agree that this sum shall be forfeited by me/us to SBI, RBO-II, ALMORA, UTTARAKHAND.

We understand that as per terms of this tender, the SBI may consider accepting our tender in part or whole or may entrust the work of various buildings/branches/items proposed in phases. We, therefore, undertake that we shall not raise any claim / compensation in the eventuality of Bank/SBI deciding to drop any of the Branch /items from the scope of work of this tender at any stage during the contract/execution period. Further, we also undertake to execute the work entrusted to us in phases on our approved rates and within the stipulated time limit without any extra claim for price escalation.

As when ask by the Bank, I/we shall submit the supporting technical data sheet, specification and make of the items as per the BOQ.

We, hereby, also undertake that, we will not raise any claim for any escalation in the prices of any of the material during the currency of contract/execution/completion period.

I / We have not made any modification / corrections / additions /deletions etc. in the Tender documents downloaded from web by me / us. In case at any stage later, it is found there is difference in our downloaded Tender documents from the original and / or any documentation, SBI shall have the absolute right to disqualify / reject our Tender and also debar me / us in participating in any future tenders of SBI without any prior intimation to me / us.

I/We hereby undertake and confirm that all the information furnished in this tender is correct and true to the best of our knowledge and belief and we own full responsibility for its correctness and authenticity

I / We understand that you are not bound to accept the lowest or any tender you may receive.

I / We hereby understood and accordingly confirm that all Tender documents along supporting documents/annexures etc. are required to be submitted by us strictly in the prescribed format only. In case, the Bid/documents submitted by us along with this tender is found in any other formats and not complying this condition, we hereby authorize the SBI to summarily reject our tender for which we shall not make any protest.

Yours faithfully,

Signature of Indidual /irmcontractor
With Seal

ARTICLES OF AGREEMENT

This AGREEMENT is made at on this day of between SBI, a body Corporate created under SBI Act 1955, having its Corporate Centre at State Bank Bhavan, Madame Cama Road, Mumbai 400 021 and one of the circle office at SBI Local Head Office, 11, SansadMarg, New Delhi-110001 represented by authorized officer of SBI. (hereinafter called "the Employer") on the one part and M/s _____ (Individual /proprietorship/partnership firm/Company), incorporated under the provisions of the Companies Act and having its registered office at _____ (hereinafter called "the Vendor") represented by Shri who is authorized to enter this agreement by its Board of Directors on the other part.

AND Whereas Bank has given contract for providing a -----KVA DG Set in CPCB compliant acoustic enclosure on hire basis at(Branch/Office),----- (Place)

AND whereas contractors have agreed to undertake the work for a SBI accepted tender rate of Rs..... (in words) per month as fixed charges. The contract shall be for three years starting .././.... subject to review and acceptance for continuation by the Bank at the end of each block of twelve months, the first ending .././..... . Original tender submitted by the contractors including terms and conditions, price bid and letter of award of work will form part of this contract. Time shall be considered as the essence of this Contract and the Contractor hereby agrees to commence the work soon after the Site is handed over to him or from day after the date of issue of formal work order as provided for in the said Conditions whichever is earlier and to complete the entire work within subject to nevertheless the provisions for extension of time.

All payments by the Employer under this Contract will be made by State Bank of India.

All disputes arising out of or in any way connected with this Agreement shall be deemed to have arisen at ALMORA, UTTARAKHAND and only the Courts in ALMORA, UTTARAKHAND shall have jurisdiction to determine the same.

That the several parts of this Contract have been read by the Contractor and fully understood by the Contractor.

IN WITNESS WHEREOF THE EMPLOYER and the Contractor have set their respective hands to these presents and two duplicates hereof the day and year first hereinabove written.

FOR CONTRACTOR

NAME :

OFFICE ADDRESS :

WITNESS :(1)

NAME :

ADDRESS :

WITNESS: (2)

NAME:

ADDRESS:

FOR STATE BANK OF INDIA

NAME:

DESIGNATION:

WITNESS :(1)

NAME :

ADDRESS :

WITNESS: (2)

NAME:

ADDRESS:

GENERAL TERMS AND CONDITIONS:

- a) The bidders must accept and agree all the terms & conditions of both SBI as well as the agency authorized by the Bank for conducting e- tender.
- b) Documents to be submitted in the Technical bid are as under:

ONLINE

- i) Process Compliance form in company letter head duly signed and stamped by authorize representative.
- ii) Letter of Undertaking in company letter head duly signed and stamped by authorize representative.
- iii) Tender document duly signed by the bidder all pages.
- iv) EMD (Earnest Money Deposit) Of Rs. 5,000.00 to be deposited By DD/BC/Cheq

Hardcopy of following documents, in a sealed cover shall be submitted in the office of :

The Assistant General Manager

State Bank Of India,
Region-2, At Shikhar Hotel,
The Mall Road Almora,
District Almora-263601

on or before **06.07.2024 up to 03.00 PM**

- i) Process Compliance form in company letter head duly signed and stamped by authorize representative.
 - ii) Letter of Undertaking in company letter head duly signed and stamped by authorize representative.
 - iii) EMD submission receipt
- c) EMD (Earnest Money deposit) of Rs.5000/- to be deposited online. The tender not accompanied by such Earnest Money Will stand automatically rejected (EMD in any other form will not be accepted).
 - d) Price bid in the enclosed format shall be submitted online.
 - e) The tenderer will have to submit their tender after carefully examining the whole of the tender documents.
 - f) 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
 - g) The Bank reserves the right to refuse the issue of tender or reject any or all bids without assigning any reasons whatsoever.
 - h) The rate quoted shall include operator, maintenance, other spares, lubricants as required all other duties, taxes, levies, octroi, transport, loading and unloading charges etc. but exclusive of GST.
 - i) The price quoted shall be valid for 3 months from the date of opening of price bid.

- j) 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.
- k) Tenders not fulfilling any or all of the conditions prescribed or which are incomplete in any respect shall liable to be rejected.
- l) 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.
- m) TDS as applicable will be deducted from the bills payable to the contractor
- n) 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.
- o) During the currency of the Contract, all care shall be taken so that the downtime of DG Set is kept minimum.
- p) Each page of the tender documents should be signed by an authorized person in token of having accepted the terms & conditions of contract, specifications, as laid down.
- q) All expenses for the registration of the agreement in the tender will be borne by the vendor.
- r) In case of any dispute arising regarding the job contract including the interpretation or the scope or working thereof, the decision of the AGM(RBO-II),AO-7, Delhi circle shall be final and binding on the Contractor All disputes are subject to local Jurisdictions only.
- s) The L1 Vendor after e- Reverse Auction will have to submit the price breakup within 24 Hrs of conducting the e- Reverse Auction. The percentage discount recorded in total after the e- Reverse Auction will be applicable to each individual item in the Price Bid.

TERMS AND CONDITIONS FOR HIRING OF DIESEL GENERATOR SET.

1. Capacity of D.G.sets: 20.0 KVA silent generators (to be installed within 15 days after placing order by bank) number of phases: three phase four wires.
2. The contractor will ensure periodical maintenance of sets during Sunday/holiday so that the set is ready for uninterrupted supply of power during power failure period and in case of break-down/failure of more than 1 hour of D.G.set supply of power, the bank will be entitled to levy penalty @ Rs.1500/- per day in addition to the recovery of charges which may have to be paid by the Bank for making alternative arrangements of D.G.set. The contractor should attend all the complaints at the earliest as and when lodged by any means of communication whether verbal or in writing.
3. The L1 contractor has to deposit 5% of the annual contract value as security deposit in the form of DD/Bankers Cheque favoring State Bank of India payable at Almora that will be retained by the bank for the entire contract period, no interest will be payable by the bank for the above security deposits. The same will be forfeited in case of poor performance or non performance. Any of the deliverables not being delivered for more than 2 days in a quarter would mean "poor performance". The EMD with quotation shall be released thereafter.
4. Operating time: all working days & holidays as and when required (the contractor/or his representative shall report the Asstt. General Manager (P&E) or his designated official about the performance of the generators.)
5. Initially the contract shall be for a period of three years on same terms and conditions provided the services are found satisfactory. After initial period of three years, it can be renewed for other two years as settled between the Bank and the contractor the final decision of bank will prevail and will be binding on the contractor.
6. In case the services are not found satisfactory or if the Bank decides the contract can be terminated by giving one month's notice by Bank. In case of non performance or unsatisfactory services the security money will be forfeited. No other claims will be payable if the contract is terminated.
7. The cable of required capacity as specify by the Bank's Electrical Engineer from the D.G.set to the main Panel and Change Over switch will be provided by the tenderer/contractor.
8. The tenderer/contractor will bear the installation charges. He will provide/erect required foundation for installation.
9. In case Generator have to be installed on the roof, the tenderer/contractor will provide/erect required foundation and will bear all the expenses of installation & Lifting.
10. The liaison with the local Municipal authorities/ Government agencies will be the responsibility of the contractor in order to run the D.G.set smoothly at New collectorate Branch Almora . The contractor must get all the necessary permissions from all the applicable authorities viz. a)State Electricity Board b)Fire brigade, c)Pollution Control Board, d)Electrical Inspectorate of State Government. Failure to obtain the required permissions, the contractor shall be responsible for all the liabilities/penalties imposed by these authorities and will indemnify bank in this regard.

11. All maintenance of D.G. sets will be responsibility of the tenderer/contractor.
12. The contractor will arrange including transportation for diesel, lubricants, day to day spares, filters etc. required for running the DG set at its own cost. The contractor shall keep in reserve sufficient fuel for running of DG set for at least 8 hours at the site.
13. The contractor will maintain logbook for calculation of running hour of the DG set. The contractor from the designated bank officials on daily basis will be authenticated all the entries made in the logbook.
14. The payment will be made on monthly basis after receipt of bill clearly stating there in total running hours of actual operation supported by photocopy of the logbook.
15. On installation of DG set, the contractor shall have to give full load test for 4 hours at the site in presence of Bank's electrical engineer within first 7 days of operation.
16. The rates should be inclusive of all taxes/levies imposed by the government/other body only GST will be paid extra.
17. Operation also includes topping of fuel, changeover operations etc., Wherever Auto Main Failure (AMF) is provided, the contractor to monitor on regular basis, the fuel level, topping if required and provide a operator in case of AMF failure. No additional charges will be paid for the same.
18. No additional rent or operator charges will be paid for operation on any holidays and weekends, if required. .
19. Minimum wages as prescribed by the Labour Act shall be payable to the operator(s) by the contractor as the case may be. The Contractor shall bind himself and shall indemnify the Bank.
20. The Contractor will comply with all the applicable labour laws, rules and regulations relating to P.F. Act including the payment of P.F. contribution, Payment of Bonus Act, Minimum Wages Act, Workmen's Compensation Act, ESI, CL(R&A) Act, Essential Commodities Act, Migrant Labour Act and' or such other Acts or Laws or regulations passed by the Central & State, Municipal and Local Government agency or authority, including T.D.S. as per Income Tax Act, applicable from time to time. The Contractor shall be responsible for maintaining record pertaining to payment of Wages Act and also for depositing the P.F. contributions, if required, with authorities concerned.
21. The Contractor 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.
22. The Contractor shall be responsible for all the claims of the employees of the Contractor and shall not make and claim whatsoever against the Bank. The Contractor's workmen will not have any right whatsoever to get absorbed in the Bank. The Contractor shall be responsible for all statutory requirements e.g. ESI, PF, labour registrations, Insurance coverage etc. The operator is responsible for compliance of all the rules & safety regulations etc.
23. The Contractor shall engage fully trained and adequately experienced workmen, who are medically fit. They should be free from any contagious diseases. The Insurance for the workmen shall be arranged by the contractor and ensure that the operator shall be well mannered and properly dressed with shoes etc.
24. The Contractor 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.

25. The Contractor shall bear all the costs and expenses in respect of all charges, including stamp duty etc. for agreement and/or any other documents/agreements, which are required to be executed.
26. 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 contractor.
27. Contractor 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 Diesel Generator set.
28. All the maintenance expenses including replacement of spares for the Diesel Generator set along with periodic replacement of lube oil shall be borne by the contractor.
29. The Contractor /owner of the Diesel Generator set has to arrange at their own cost all necessary approval from Government of AP / APPCB or any other Statutory body including environmental clearance, if required, for installation and running of Diesel Generator set at respective sites.
30. Owner / Contractor of Diesel Generator set has to keep the diesel in safe custody under proper care at the site and has to ensure the safety of the location.
31. Owner / Contractor of the Diesel Generator set has to bear the installation / transportation charges of Diesel Generator set.
32. Owner / Contractor of the Diesel Generator set has to maintain a log book at the site to record the following :
 - Hour meter reading.
 - Time for which the generator was operational (generator off and on timings).
 - No. of Units Generated through DG Set
 - Consumption of diesel.
33. The log book shall be submitted to the officer-in charge as and when called upon by the Officer-in charge.
34. The generator downtime shall be kept to all care shall be taken so that the downtime of DG Set is kept minimum. During the currency of the Contract, Maximum permissible frequency of failures in a month:
 - Once for approximately one hour
 - Four times for approximately half hour
35. In case of major break downs; standby arrangement shall be made within 24 hours from the time of breakdown. In case of poor performance/ non performance of DG set taken on hire, the penalty (twice hiring charges) per day will be deducted from the hiring charges for the month in addition to the recovery of charges which may have to be paid by the Bank for making alternative arrangements of D.G.set.
36. The contractor / firm shall be held responsible for any misdeeds / misbehavior of their employees within the premises.
37. Self start Battery condition shall be well maintained for trouble free operation.
38. In respect of all labour employed directly or indirectly on the work for the performance of the contractor's part of work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provisions, B.I.S recommendations, factory act, workman's compensation act, CPWD code and instructions issued from time to time. The contractor shall provide necessary barriers, warning signals and other safety measures while executing the work wherever necessary so as to avoid accident. The Bank shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk.

39. As per the prevailing guidelines of the State/ Central Govt. (e.g. Pollution Control Board, Electrical Inspector and Power Distribution Company etc) .the permission for installations of DG sets should be obtained and kept with the Bank. The statutory fees shall be paid by the Bank but the arrangement and liaisoning with the concerned Govt. Departments shall be under the scope of the Contractor. Wherever applicable, the Electricity tax for Generation of Energy based on number of Units Generated, should be paid to the Concerned Energy Deptt. / Electrical Inspectorate, Electrical safety Deptt..
40. LOCAL REGULATIONS, BYE-LAWS, IER, ETC.: The approval / clearance for installation of DG Set from Central Pollution Control Board/ State Pollution Control Board / Local Bodies/ State Electricity Board/ other Licensing Authorities as required will be obtained by the supplier/ contractor. The Diesel Generator installation is generally governed by the following regulations:
- Indian Electricity Rules 1910
 - Local Regulations
 - Pollution control rules (State /Union Govt. Rules)
 - Electricity board (State / Union Govt. Rules)
41. The supplier shall be responsible for preparation of all applications, submission of applications, follow-up, inspection and obtaining & delivering NOC from various authorities concerned. The payment of demand notices of the various statutory bodies shall be made by the State Bank of India. The original payment receipt shall be logged with State Bank of India. State Bank of India, will only affix signatures and furnish fees to be paid for local authorities' inspection, etc. It must be clearly understood that the installation will not be taken over by State Bank of India even after commissioning unless approval/ clearance from concerned authorities are furnished.
42. The Hire charges quoted shall be inclusive of all taxes including service tax, duties, operator charges, night duty allowances, Overtime charges etc.. Bank will pay the hiring charges at monthly intervals. only GST will be paid as applicable
43. Bank reserves the right to terminate the contract with one month prior notice.
44. All necessary earthing required for Body & Neutral , Electrical cable upto the Panel as directed by the engineer incharge from the D.G set will be under the scope of the vendor, the above works include proper installation and termination of the electrical cables and earthing.

SIGNATURE OF CONTRACTOR

DATE:

SEAL

TECHNICAL SPECIFICATION FOR SILENT DIESEL GENERATOR SET

(a) DIESEL ENGINE:

- (i) Make: Kirloskar/ Cummins /Greaves / Mahindra / Ashok Leyland/ Mahindra/Eicher
- (ii) Multi Cylinders, water Cooled, 1500 RPM, Diesel engine

(b) ALTERNATOR SPECIFICATION:

- (i) Make: Stamford/Kirloskar/ Kirloskar Electric/Crompton Greaves.
- (ii) Capacity:7.5/10/15/ 20/25/ 30 KVA at 0.85 PF, 230 Volts, Single Phase, 50 Hz. 30/ 35/ 40/ 50/ 62.5/75/ 82.5/100/125KVA at 0.85PF415 Volts, 3 Phases, 4 wires, 50 Hz
- (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. 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.
- (vi) The alternator shall confirm drip proof constructions 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 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.

(d) AGE OF DIESEL GENERATOR SET:

- i) Age of Diesel Generator set at the time of hiring should be less than 3 years old, compliance of the applicable CPCB norms as on date will supersede the age criteria stated above.. Invoice/Excise gate pass etc., shall be submitted as a proof of age.
- (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. The speed Governor shall be mechanical auto controlled, adjusting automatically to the desired load conditions.
- (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 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.
- (h) The DG set shall be mounted on wheels or foundation as required.

(e) AUTOMATIC MAINS FAILURE PANEL (WHEREVER REQUIRED):

- (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. 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 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.

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

(iv) Indicating lamps for

- a) Load on Mains.
- b) Load on Generator
- c) Set fails to start
- d) Low Lubricating oil Pressure
- e) High water temperature / High water temperature.

(v) Sets of Push Buttons for

- a) Generator start / stop
- b) Emergency trip
- c) Auto Hooter
- d) Auto / Manual /Test / Selector switch
- e) Generator ON / OFF - Manually.
- f) Mains On / OFF – Manually

(vi) Battery charger static, comprising of

- a) Transformer
- b) Rectifier
- c) Trickle / Boost auto.
- d) DC Ammeter
- e) Mains Voltage Monitor
- f) AMF Logic with three attempt starting facility

(vii) Protection

- a) Over Voltage, under voltage, over load
- b) 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 is 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.

PARTICULARS OF THE INDIVIDUAL / FIRM

- a) Name of the Individual / firm
- b) Address
- c) Year of establishment
- d) Status of the firm
(whether company/firm/proprietary)
Name(s) of the Directors/Partners/Proprietor.
 - i)
 - ii)
 - iii)
- e) Furnish details & value of work of
Similar nature done for others in the Past three years.
- f) Name and address of Bankers
 - i)
 - ii)
 - iii)
- g) Whether as assesses of Income Tax
if so, mention permanent account No. (if any)

SIGNATURE OF CONTRACTOR WITH NAME & ADDRESS AND SEAL OF FIRM

PRICE BID

ONLINE TENDER FOR HIRING ONE 20 KVA DIESEL GENERATOR SET AT NEW COLLECTORATE BRANCH ALMORA

Sr. No.	Description	Quantity	Rate Per Month
1	HIRING OF 20 KVA GENERATORS WITH SOUNDPROOF CANOPY ORIGINAL FACTORY FABRICATED AND PANELS COMPLYING CPCB NORMS AS APPLICABLE AS ON DATE (INCLUSIVE OF ALL EXPENSES, OTHER DUTIES, TAXES ETC. AS STATED IN THE TENDER DOCUMENT-ONLY GST WILL BE PAID EXTRA AS APPLICABLE AS ON DATE)	01	
	T O T A L in Rs.		
	AMOUNT IN WORDS		

SIGNATURE OF TENDERER

DATE: