



NE/AO/DBRG/2024-25/Tender 01 Dated 05.04.2024

TECHNICAL BID (COVER - C)

(TO BE SUBMITTED IN A SEPARATE SEALED ENVELOPE)

STATE BANK OF INDIA

Regional Business Office, Tezpur

Above M/s Ashok Motors

PO Ketekibari, Tezpur, Assam – 784 154

TECHNICAL BID – FOR HIRING OF 20 KVA 1 – PHASE GENERATOR SET FOR STATE BANK OF INDIA , LHOU BRANCH , DISTRICT: TAWANG, ARUNACHAL PRADESH

1. The Tenders duly filled-in, signed and sealed should be addressed to the “Assistant General Manager, Regional Business Office, State Bank of India, Tezpur, Above M/s Ashok Motors, PO Ketekibari, Tezpur, Assam – 784 154” and should reach at above address during office hours on or **before 26.04.2024 up to 05:00 P.M.**
2. The tenders will be opened at the above office in presence of such parties or their authorized representatives who are willing to remain present. It is suggested that the tenders are submitted personally along with earnest money deposit etc., so as to reach above address on or before due date and time.
3. No Tender will be accepted after 05:00 PM of **26.04.2024**.
4. Unsealed quotations will not be accepted.
5. The Tender should remain valid for acceptance by the Bank for a minimum period of 90 days from the date of its opening, which period may be extended by mutual agreement and tenderer shall not cancel or withdraw the Tender during this period.
6. The Bank does not bind itself to accept the lowest or any tender and reserve to itself the right to accept or reject any or all the tenders, either in whole or in part or to distribute the job amongst any number of bidders within its sole discretion and without assigning any reason(s) for doing so.



7. The tenders are to be submitted in **two envelope system** duly signed by the authorized person of the firm/owner and sealed. Both these envelopes should be clearly marked “**Envelope-C**” and “**Envelope-D**” and again sealed in separate envelope marked as “**Envelope – II**” super scribing “**Tender for hiring of 20 KVA 1 Phase Generator Set for State Bank of India, Lhou**” to be submitted to the competent authority on or before due date.

i) The Envelope-C should contain following :-

- a. General terms & conditions (**Annexure – I**) along with technical specifications (**Annexure – II**) duly signed and accepted by the vendor.
- b. Notice Inviting Tender duly signed by the vendor.

ii) The Envelope-D should contain price bid duly filled in with ink/ball point pen, duly signed by the authorized person of the firm and sealed.

At the time of opening tenders, Envelope-C will first be opened. If the Vendor has not submitted separate envelope or has submitted incomplete envelope or the vendor imposes any condition, their Envelope – D containing Price Bid will not be opened and such tenders will be deemed as rejected and no claim/correspondence will be entertained in this regard.

8. Bids submitted will be taken as an offer to execute the work. Bids once made by the vendor, cannot be cancelled / withdrawn and the vendor shall be bound to execute the work as mentioned above at the quoted bid price. **Should the vendor withdrawn / back out and not execute the work as per the rates quoted, the earnest money deposited by the vendor with the Bank in this regard shall be forfeited without further reference to the vendor.**

9. The Initial earnest money deposited by the unsuccessful tenderer will be refunded within 90 days from the date of opening of the Tenders or finalization of the tender, whichever is earlier. Please note that such earnest money deposited shall not carry any interest.

10. The Vendor must obtain for himself on his own responsibility and at his own expenses all the information which may be necessary for the purpose of making a tender and for entering into a contract of work and acquaint himself/themselves with all local conditions, means of access to the work, nature of work and all matters appertaining thereto.



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11. Conditional tenders are liable for rejection.

Branch / Office Head
State Bank of India

I/we hereby declare that I/we have read and understood the above instructions carefully and will abide by the same.

Signature of Vendor/ Applicant



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TERMS AND CONDITIONS FOR HIRING OF DG SET

1. Operating time of Diesel Generator set shall be 24 Hour X 365 days. Wherever manual operation is required, qualified operator(s) shall be provided by the contractor including on Sundays and holidays from 10 AM to 6 PM. It is better to make provision of auto start instead of manual operation in DG sets wherever possible.
2. 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 an operator in case of AMF failure. No additional charges will be paid for the same.
3. No additional rent or operator charges will be paid for operation on any holidays and weekends, if required.
4. 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.
5. 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.
6. The Contractor shall be responsible for proper maintenance of Registers, logbooks etc. as required under the applicable laws / statutory provisions and' or Rules / Regulations framed there under.



7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.



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14. The Contractor /owner of the Diesel Generator set has to arrange at their own cost all necessary approval from Government of Arunachal Pradesh / Pollution Board or any other Statutory body including environmental clearance, if required, for installation and running of Diesel Generator set at respective sites.
15. The contractor shall arrange for diesel and the cost will be reimbursed to them along with the transportation charges on an actual basis on production of receipt / Bill duly certified by the Officer in Charge / Engineer.
16. 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.
17. Owner / Contractor of the Diesel Generator set has to bear the installation / transportation charges of Diesel Generator set.
18. Owner / Contractor of the Diesel Generator set has to maintain a logbook at the site to record the following:
 - a Hour meter reading.
 - b Time for which the generator was operational (generator off and on timings).
 - c No. of Units Generated through DG Set
 - d Consumption of diesel.The log book shall be submitted to the officer-in charge as and when called upon by the Officer- in charge.
19. 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:



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

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 may be deducted from the hiring charges for the month.

29.5 % of annual contract value shall be kept as retention money (Performance Guaranty) during the contract period, which 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".

30. The contractor / firm shall be held responsible for any misdeeds / misbehavior of their employees within the premises.

31. Self-start Battery condition shall be well maintained for trouble free operation.

32. 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.

33. 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



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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.

34. 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:

- a) Indian Electricity Rules 1910
- b) Local Regulations
- c) Pollution control rules (State /Union Govt. Rules)
- d) Electricity board (State / Union Govt. Rules)

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.

35. 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.



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36. Fresh Tenders should be invited mandatorily after expiring of six years as the initial period of contract is for 3 years period and renewable for further period of maximum 3 years, subject to satisfactory services rendered by the vendor. The process of finalization of vendor should be started in advance before six months of expiring of contract so that all the exercise should be completed well within time.

37. Bank reserves the right to terminate the contract with one month prior notice.



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FORM OF AGREEMENT

{On a non-judicial stamp paper of Rs 110/-}

[Format of agreement should be approved by Law Department]

This agreement made at on this day of between ___(Designation), State Bank of India,____(Branch/Office),____(place)(hereinafter called Bank) on one hand and M/s. ,____(Place) (hereinafter called the contractors and which expression shall mean and include its successors, assignees, heirs, executors & administrators, legal representatives etc.) on the other hand. 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)

TERMS AND CONDITIONS FOR HIRING OF DG SET:-

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2. Operation also includes topping of fuel, changeover operations etc., Wherever Auto Main Failure (AMF) is provided, the contractor to monitor on



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regular basis, the fuel level, topping if required and provide an operator in case of AMF failure. No additional charges will be paid for the same.

3. No additional rent or operator charges will be paid for operation on any holidays and weekends, if required.
4. 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.
5. 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.
6. The Contractor shall be responsible for proper maintenance of Registers, logbooks etc. as required under the applicable laws / statutory provisions and' or Rules / Regulations framed there under.
7. 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.



8. 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.
9. 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.
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13. 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.
14. The Contractor /owner of the Diesel Generator set has to arrange at their own cost all necessary approval from Government of Odisha / OPCB or any other Statutory body including environmental clearance, if required, for installation and running of Diesel Generator set at respective sites.
15. The contractor shall arrange for diesel and the cost will be reimbursed to them along with the transportation charges on an actual basis on production of receipt / Bill duly certified by the Officer in Charge / Engineer.



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- i) 5 % of annual contract value shall be kept as retention money (Performance Guaranty) during the contract period, which 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".
 - ii) The contractor / firm shall be held responsible for any misdeeds / misbehavior of their employees within the premises.
 - iii) Self-start Battery condition shall be well maintained for trouble free operation.



- iv) 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.

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21. 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:

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- b. Local Regulations
- c. Pollution control rules (State /Union Govt. Rules)
- d. Electricity board (State / Union Govt. Rules)

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.

22. 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.

23. Fresh Tenders should be invited mandatorily after expiring of six years as the initial period of contract is for 3 years period and renewable for further period of maximum 3 years, subject to satisfactory services rendered by the vendor. The process of finalization of vendor should be started in advance before six months of expiring of contract so that all the exercise should be completed well within time.

24. Bank reserves the right to terminate the contract with one month prior notice.

IN WITNESS WHEREOF THE PARTIES to their present have here under set and subscribed their hands, the day, month and year first above written.

Signed and delivered for and on behalf of
Shri. _____ its duly authorized official, In the presence of –

1. (Name and Address)

2. (Name and Address)

Signed and delivered for and on behalf of the Contractor _____ by
Shri _____ his duly authorized representative, in the presence of

1. (Name and Address)

2. (Name and Address)



TECHNICAL SPECIFICATION FOR SILENT DIESEL GENERATOR SET

(a) DIESEL ENGINE:

- (i) Make: **Kirloskar/ Cummins /Greaves / Mahindra / Ashok Leyland/ Mahindra**
- (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/ 82.5/100/125/250/500KVA at 0.85PF415 Volts, 3 Phases, 4 wires, 50 Hz

(Single phase DG set up to 25 KVA depending on site conditions, may be hired)

- (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:** Age of Diesel Generator set at the time of hiring should be **brand new**. Original purchase Invoice/Excise gate pass etc., shall be submitted as a proof.
- (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 (if required). The Engine will be shut down automatically on resumption of mains power with a pre-set time delay through AMF Panel.
- (h) The DG set shall be mounted on wheels or foundation as required.

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 : 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, High water temperature / High water temperature.

(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.