



REGIONAL PLANT RESOURCE CENTRE

Nayapalli, Bhubaneswar-751015, Odisha

FOREST & ENVIRONMENT DEPARTMENT, GOVERNMENT OF ODISHA

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Website:www.rprcbbsr.in

Advt. No. 1626 /RPRC

Dated 27.08.2021

**TENDER CALL NOTICE FOR SUPPLY, INSTALLATION AND
COMMISSIONING OF 100KVA DIESEL GENERATOR**

Sealed tenders are invited from authorized manufacturers/distributors/ dealers/ agents/ firms having valid GST registration for supply, installation and commissioning of **100KVA Diesel Generator with_FMA panel**. The technical specifications, other terms and conditions and formats are available in the website www.rprcbbsr.in, which can be downloaded for use. Interested parties may submit their tender super-scribed “Tender for supply installation and commissioning of Generator” to the undersigned through speed post/ Registered Post, which should reach the undersigned on or before 15.09.2021 (5.30 PM) positively. Incomplete tenders and tender documents received after the due date and time will not be considered. The undersigned reserves the right to reject any or all the tenders without assigning any reasons thereof.

Sd/-

Administrative Officer

TENDER DOCUMENT

**Supply, Installation and Commissioning
of
100KVA Diesel Generator
415V Silent type DG SET**



Regional Plant Resource Centre

Ekamra Kanan, Nayapalli, Bhubaneswar-751015

Terms and Conditions for supply, installation and commissioning of Generator

1. Sale of Tender paper:

The tender papers, containing the detailed specifications of Generator, list of documents to be submitted etc. will be available at Regional Plant Resource Center, Bhubaneswar from 28th August,2021 (during the office hours only), on payment of a non-refundable fee of Rs. 1180/- (Rs. 1000/- +GST@18%) in cash or in shape of pay order/demand draft drawn in favour of Chief Executive, Regional Plant Resource Centre (RPRC), payable at Bhubaneswar. The same can also be downloaded from our website www.rprcbsr.in and in such a case, the cost of tender paper is to be enclosed in shape of D.D/Bankers cheque drawn in favour of Chief Executive, RPRC, payable at Bhubaneswar along with the tender. The cost of tender paper in shape of Demand drafts and “**Bid Security Declaration**” should be submitted separately. In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the notice board/ website of RPRC before last date of submitting the tender document. Non-payment of cost of tender paper will amount to rejection of the tender.

2. The last date of receipt of tender documents in this office by Speed Post/ Registered Post on or before 15th September,2021 (**up to 5.30 PM**). The Technical bids will be opened by the Tender Committee of RPRC on 16th September,2021 (at 11.30 AM) in presence of the authorised representatives of the tenderers who like to be present at that time. The date of opening of the financial bids of technically qualified tenderers shall be communicated to them in due course of time.

3. Bid Price:

a) The tender should be submitted in two bid system i.e, “Technical bid” and “Financial bid”. Financial bid contains only the price bid as per Annexure-III and Technical bid contains all other documents as per the tender terms along with **Bid Security Declaration** and cost of tender paper in appropriate shape. The technical bids containing information on price, directly or indirectly, will be liable for rejection. The technical bid and financial bid will be submitted in two separate envelopes clearly mentioning on top of the envelope “Technical bid” and

“Financial bid” respectively and both of these should be placed in a big envelope marked “Tender for Generator for RPRC.

- b) Requirements and specification of Generator is enclosed in Annexure I.
- c) The format for submission of price bid is given in Annexure III, which will be used at the time of submission of tender.
- d) Quoted rates shall include freight, packing, transit insurance, forwarding, transportation and installation in RPRC, Bhubaneswar.
- e) The clearance of imported machine will be done by the Vender only. RPRC will release the clearance charges on submission of original documents.
- f) Taxes as applicable should be clearly mentioned separately in terms of percentage and amount in price quotation.
- g) No conditional price will be taken into consideration.
- h) The rates quoted by the bidder shall be valid for a period of 90days from the date of submission of tender.

4. Eligibility Criteria

- a) Submission of price as per prescribed format.
- b) Copy of GST registration certificate and up to date GST clearance certificate.
- c) Tender paper cost.
- d) Bid Security Declaration
- e) Copy of PAN to be submitted.
- f) Undertaking that the firm has not been blacklisted by any Govt. Organization/Institution.
- g) Undertaking that the quoted item qualifies the required technical specification.
- h) Check list of documents submitted (Should be attached as Annexure IV)
- i) Copy of past performance. (Should be attached as Annexure V)

5. Validity of Tender:

- a) The tender shall remain valid for a period of 90 days after the last date as specified in the tender.
- b) Notwithstanding the above, the purchaser reserves the right to accept or reject any bids and to cancel the bidding process and rejects all bids at any time prior to the issue of Purchase order.

6. **Issue of Purchase Order:**

- a. The purchase order will be placed on the qualified bidder whose bid will be selected by the purchaser prior to expiry of the bid validity period. The terms of the accepted offer shall be incorporated in the purchase order.
- b. The delivery should be completed within 60 days from the date of receipt of the confirmed purchase order as per the quality and specification of the equipment.
- c. The packaging should be done in such a way that the quality of the equipment will not be damaged.
- d. At the time of inspection if any item is found not as per the order the firm will replace the same immediately other wise payment will not be released for defective items.
- e. 100% Payment will be released after supply, installation and successful commissioning of the Generator Set at RPRC.
- f. Any effort by a bidder to influence the purchaser in its decision on bid evaluation or placement of purchase order may result in rejection of the bidder's offer.
- g. If the selected firm fails to execute the order action would be taken to blacklist the firm.
- h. Any legal dispute arising out of this is subject to Bhubaneswar jurisdiction only.

Sd/-

**Administrative Officer
Regional Plant Resource Centre
Bhubaneswar**

TECHNICAL SPECIFICATION OF 100KVA, 415V SILENT TYPE DG SET

Environment Friendly Power

Class defining technology engine must be designed to meet stringent exhaust emission tests as per revised MoEF norms,

Engine

6 cylinder, In-line 4 stroke, radiator Cooled Engine, Well designed air handling system with Dry type, heavy duty, replaceable paper element air cleaner with restriction indicator
Air to air after cooling
Optimized turbocharger for increased altitude capabilities

Optimized fuel consumption with Inline fuel pump with mechanical governing

Spin on dual fuel filter with water separator, Standard integral set-mounted radiator system, designed and tested for 50°C ambient temperature, Full flow spin on lube oil filter, First fill of lube oil and coolant, Electrical starter motor with soft start engagement feature, Battery charging alternator 1 x 12 V DC battery

Alternator

Brushless type, Screen protected, Revolving field, Self excited alternator conforming to IS/IEC 60034-1, 3 Phase reconnectable winding with 12 terminals brought out for connection, Better motor starting capability, Best in class efficiency, Compact design with sealed bearings for longer life and lesser maintenance, Impregnation on all wound components for better mechanical strength

Control Panel

14/16 gauge Control panel CRCA sheet and powder coated for weather-proof and long lasting finish. The control panel consists of the following parts:

Aluminium bus bars with suitable capacity with incoming/ outgoing terminals, Indicating lamps for 'Load ON' and 'Set Running', Instrument fuses duly wired and ferruled, MCCB of suitable rating with overload and short circuit protections

Silencer

Hospital grade silencer with rain cap suitably optimised to meet stringent noise emission standards laid down by MoEF / CPCB.

Mounting Arrangement

Engine and alternator are mounted on a common MS fabricated base frame with AVM pads. Base frame with integral fuel tank is provided with drain plug, air vent, inlet and outlet connection, level indicator and provision for cleaning

Acoustic Enclosure

Specially designed to meet stringent MoEF/ CPCB norms of 75 dBA @ 1mtr at 75% load under free field conditions, The acoustic enclosure is made CRCA sheets in and a structural/ sheet metal base frame. High quality noise absorbant and fire-retardant grade acoustic Insulation material (P.U. Foam) complying to IS 8183, Two point lifting for easy handling at customer site

Technical Data

Generator Specification	
Duty	Prime
No. of Phases	3 phase
Output Voltage and Frequency (V and Hz)	415 V, 50 Hz
Power Factor	0.8 (lagging)
Current (A)	139
RPM	1500
Engine Specification	
Required Power for Rated KVA (HP)	129
Cooling	Liquid Cooled (EG Complete 50:50)
Aspiration	Turbocharged, Charge Air Cooled
No. of cylinders	6, In-line
Bore (mm) x Stroke (mm)	102 x 120
Compression ratio	16.5:1

Comprehensive Warranty

Highly reliable and durable product, All elements are designed to work together to maximize efficiency even at part loads, offering the advantage of lowest operating costs 1 year service interval, Industry acknowledged best-in-class comprehensive warranty on the entire package including rubber components

GENERAL DESCRIPTION OF THE EQUIPMENT

Name of manufacturer	Make and model	Catalogue No.	Technical specification	Warranty period	Name of Dealer

Annexure-III

DETAILED TECHNICAL SPECIFICATION AND COST				
Sl. No.	Part No.	Technical specification	Quantity	Cost
Ex-Works price				
Less discount, if any				
Taxes if any				
Total Ex-Works price				