



# जवाहरलाल नेहरू एल्युमिनियम अनुसंधान विकास एवं अभिकल्प केन्द्र, नागपुर

(स्वायत्त संस्थान, खान विभाग, भारत सरकार के अधीन) अमरावती रोड, वाडी, नागपुर - 440 023 (भारत)

## Jawaharlal Nehru Aluminium Research Development and Design Centre

(Autonomous Body under Department of Mines, Government of India)

Amravati Road, Wadi, Nagpur - 440 023 (India)

दूरभाष / Phone : 07104 -220017 /220476, 220701 फैक्स / Fax : 07104 - 220942

ई मेल / Email : directjn\_ngp@sancharnet.in वेबसाईट / Website : www.jnarddc.gov.in.

**JNARDDC**  
in the service of aluminium industry

Ref : 009 /JNARDDC/S&P/2017/I-1 (II)

Date: 29.08.2017

As superscribed on the envelope.

### RETENDER

**Sub: Invitation of Quotation for procuring 62.5 KVA DG Set for the Centre in 2 bid system.**

Dear Sir,

The Centre is interested in procuring 62.5 KVA DG Set for JNARDDC.

Sr. No.	Scope of Work	Qty.	Price (Rs.)
1.	<u>62.5 KVA DG Set</u> (As per details given in Annexure -A ) & Terms and Condition given in Annexure -B	One	

You are therefore requested to send your competitive offer for above in a sealed envelope duly superscribed on top of the envelope as " **Quotation for 62.5 KVA DG Set in 2 bid system for the Centre with Tender No. & date.** " to the undersigned latest by **14<sup>th</sup> September, 2017 (15 Hrs)**

Date of opening : 18.07.2017 (15.00 hrs)

Refundable EMD : Rs. 25,000/- only should be paid in favour of JNARDDC by way of D.D.

Tender Fees payable is Rs. 1000/- is non refundable.

Bids should be contain 3 separate envelope

- 1) Technical Bid
- 2) Price Bid
- 3) EMD & tender Fees (if applicable)

Parties who have paid tender fee & EMD earlier can submit a copy of the same, which shall be considered valid for this tender.

Visit [www.jnarddc.gov.in](http://www.jnarddc.gov.in) for complete details

सधन्यवाद ,

आपका आभारी

(आर. श्रीनिवासन)

सचिव एवं प्रशासनिक अधिकारी

आर श्रीनिवासन / R. SRINIVASAN  
सचिव एवं प्रशासनिक अधिकारी / Secretary cum Administrative Officer  
जवाहरलाल नेहरू एल्युमिनियम अनुसंधान विकास एवं अभिकल्प केन्द्र  
Jawaharlal Nehru Aluminium Research Development & Design Centre  
Autonomous Body (Ministry of Mines), Amravati Road, Wadi, Nagpur - 440023

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JNARDDC, Nagpur (Annexure-A) of Tender no. 09 / 1-1)  
**Specification of 62.5 KVA Automatic Salient DG set outdoor type**

Ann- A

Providing, Installing, Testing and Commissioning of 'Silent Type' Diesel Generating set along with having Prime Power Rating of 62.5 KVA, 415 volts at 1500 RPM, 0.8 lagging power factor at 415 V suitable for 50 Hz, 3 phase system and consisting of the followings:

**Generator Technical Data**

1	Rating at rated RPM	62.5 KVA
2	No of phases	3 phase
3	Voltages	415V (3 phase) & 230V (1 phase)
4	Frequency	50 Hz
5	Power Factor lagging	minimum 0.8
6	Noise level	Less than or equal to 75 db at 1 meter
7	Controller type	Microprocessor/Electronics based
8	<b>Battery Charger for starting system</b> The battery charger shall be suitable to charge required numbers of batteries at 12V volts complete with, transformer, rectifier, charge rate selector switch, indicating ammeter & voltmeter etc. Connections between the battery charger & batteries shall be provided with suitable copper leads with lugs etc	
9	Accoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air in to the atmosphere .	As per CPCB
10	Engine rated Speed rpm	Greater than or equal to 1500
11	Maximum Unbalanced load across phases	Less than or equal to 25%
12	Alternator Insulation Class	H class
13	Voltage Regulation Max	±1%
14	Type of fuel	Diesel
15	Genset fuel tank capacity litres	Greater than or Equal to 100 liter
16	Fuel Consumption at 100% load (ltrs/hr)	Less than or equal to 16
17	Fuel Consumption at 75% load (ltrs/hr)	Less than or equal to 12

**AMF Control Panel**

Fabricating, Installing, Testing & Commissioning of automatic mains failure control panel including auto by-pass panel, suitable for 62.5 KVA silent type DG set complete with relays, timers, set of CTs for metering & protection and energy analyser to indicate currents, phase and line voltages, frequency, power factor, KWH, KVARH & provision for overload, short circuit, restricted earth fault, under frequency, control cabling from AMF panel to diesel engine and elsewhere if required, all complete and inter locking.

**Earthing**

Proper copper plate earthing (Neutral grounding) shall be provided for DG Sets by supplier  
 Standard Warranty for DG set.



आर श्रीनिवासन / R. Srinivasan  
 सचिव एवं प्रशासकीय अधिकारी / Secretary cum Admin. Offr.  
 जवाहरलाल नेहरू अल्युमिनियम अनुसंधान विकास एवं अभिकल्प केंद्र  
 Jawaharlal Nehru Aluminium Research Development & Design Centre  
 Autonomous Body (Ministry of Mines), Amrayati Road, Wadi, Nagpur-440004.

## ANNEXURE – B (62.5 KVA DG Set)

जवाहरलाल नेहरू एल्युमीनियम अनुसंधान विकास एवं अभिकल्प केन्द्र

स्वायत्त संस्थान, खान मंत्रालय, वाडी नागपुर

www.jnarddc.gov.in (07104-297014)

T.No. 09.

### Standard Terms & Conditions of the Tender- 2017

1. Technical bid, Price bid and (EMD & Tender fees) should be submitted in three (3) separate sealed envelopes failing which bid will be rejected. The envelopes should be super-scribed with the Tender number, due date and name of the instrument and content.
2. If the bidder is not a registered vendor of JNARDDC, then the bidder should have following documents while submitting the offer which is compulsory for vendor registration with JNARDDC. (1) Shop & Establishment / Registration of company certificate / MSME-2006 (issuing certificate of registration for Micro / Macro / Small Scale Industries Certificates) / Certificate of Registration (2) PAN & GST No. (3) I/T Returns (4) Account No. of Firm.
3. Basic Price should be quoted in one currency only (i.e either in foreign currency or in Indian Rupees). Price bid containing the basic price in multiple currencies will be rejected. Currency conversion rate on the date of opening of price bid will be considered for determining the L-1 party.
4. The Refundable Earnest Money Deposit (EMD) and non-refundable Tender fees should be submitted alongwith the technical bid in favour of "Jawaharlal Nehru Aluminium Research Development & Design Centre, Nagpur". Bids without EMD and tender fees (if applicable) will be summarily rejected. However, EMD is exempted for firms registered with Central Purchase Organization or with Ministry of Mines or Micro and Small Enterprises (MSEs). But the registration certificate should clearly include the name of the item they are offering which are manufactured by them and not for selling products manufactured by other firms. Foreign suppliers directly quoting and participating in the tender will also be exempted from EMD and Tender Fee. However, Indian agents / representative quoting on behalf of principals shall pay EMD & Tender Fee. **One EMD will be accepted against one bid Ref. page-1 for EMD / Tender Fees.**
5. The Bid Security / EMD (as applicable) without interest will be returned to the unsuccessful bidder **within 30 days** of the award of the Contract / Job. The bid security/EMD of successful bidder will be treated as Performance security. The "**Performance Security Deposit**" will be released without interest after a period of **One year** beyond the date of completion of all contractual obligations of the supplier including warranty obligations and subject to certification of Indenter / Authorized representative of the Centre.

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आर श्रीनिवासन / R. Srinivasan  
अधिकृत एवं प्रशासकीय अधिकारी / Secretary cum Admin. Officer  
जवाहरलाल नेहरू एल्युमीनियम अनुसंधान विकास एवं अभिकल्प केन्द्र  
Jawaharlal Nehru Aluminium Research Development & Design Centre  
स्वायत्त संस्थान (Ministry of Mines), Akotwadi Road, Vadgaon, Nagpur-441101

T.No. 09

6. Payment shall be released within 45 days after receipt of items in complete and good condition and complete installation & commissioning and certification of bill by Indenter / Authorized representative of our Centre for domestic supply. **For JNARDDC Excise duty was NIL. GST / Govt taxes as applicable shall be paid as notified by Govt. of India.**
7. Deviation table should be enclosed to outline the deviation (if any) from the tendered technical specification in comparison to the bid quoted. **Simply enclosing our spec sheet without providing any details may lead to rejection of the bid.**
8. **Validity of the Tender should be minimum upto to three months.**
9. **LD clause is @ 0.5% of PO value for each week of delay in execution of work as per Work Order.**
10. Warranty terms and delivery period should be clearly mentioned. Item should be **delivered upto JNARDDC, Nagpur.**
11. **Product leaflet of the item should be enclosed.**
12. Cost should be on **Door delivery basis upto JNARDDC, Nagpur.**
13. Disputes and Jurisdiction:- Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Nagpur. Decision of Director will be final in all tenders. **For any further clarification the contract personnel shall be the AAO, JNARDDC.**



(आर श्रीनिवासन)

सचिव एवं प्रशासनिक अधिकारी

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Jawaharlal Nehru Aluminium Research Development & Design Centre  
Autonomous Body (Ministry of Mines), Amravati Road, Wadi, Nagpur-440010.