



राष्ट्रीय प्रौद्योगिकी संस्थान, मणिपुर

NATIONAL INSTITUTE OF TECHNOLOGY, MANIPUR

Imphal, Manipur, Ph. (0385 – 2058566 / 2445812

E-mail:- director@nitmanipur.ac.in, Website: www.nitmanipur.ac.in

An Autonomous Institute under MHRD, Govt. of India

No. NITM.1/(51-Estt)/Pur/Genset/2016-921

Dated: 24.11.2017

“TENDER FOR SUPPLY & INSTALLATION OF 160 KVA SILENT DG SET”

Sealed tenders are invited from Individual/Firm/Agency/Company/Dealer for Supply of 160 KVA SILENT DG SET to National Institute of Technology, Manipur. Tender documents may be downloaded from the website www.nitmanipur.ac.in. A demand Draft of Rs. 1000/- (Rupees One Thousand Only) has to be attached with the technical bid as processing fees which is non-refundable. Earnest money deposit refundable @ of 2 percent of the estimated value of the goods payable in the form of Account Payee Demand Draft/ Fixed Deposit Receipt/Banker's Cheque/Bank Guarantee from any of the Commercial Banks in favour of the Director, NIT Manipur payable at State Bank of India, Imphal, Secretariat Branch along with credentials and the completed tender documents. The tender document along with terms and conditions is attached. The tender, complete in all respects must reach the Institute on or before **15.12.2017 latest by 03:00 PM** or must be dropped in the tender box placed at the Institute's Administrative Office at NIT Manipur, Langol Campus on or before **15.12.2017 latest by 03:00 PM**. Incomplete tender in any respect shall be summarily rejected. The Director, NIT Manipur reserves the right to reject any or all the tenders without assigning any reason thereof.

Details may be seen from the website www.nitmanipur.ac.in & www.eprocure.gov.in

Sd/
Registrar
NIT Manipur

Sl.	Details	Date	Time
1	Notification of Tender	24.11.2017	
2	Date of Pre-bid Conference	01.12.2017	2:00 P.M.
2	Last date for submission /deposit of Tender	15.12.2017	3:00 P.M.
3	Opening of Tender documents	19.12.2017	12:00 Noon



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TENDER DOCUMENT

Tender for Supply & Installation of 160 KVA Silent DG Set



Instruction to Bidders

INTRODUCTION AND GENERAL COMMERCIAL DETAILS

1. The tenderer shall be required to submit the Earnest money deposit refundable @ of 2 percent of the estimated value of the goods payable in the form of Account Payee Demand Draft/ Fixed Deposit Receipt/ Banker's Cheque/ Bank Guarantee from any of the Commercial Banks in favour of the Director, NIT Manipur payable at State Bank of India, Imphal, Secretariat Branch and a demand Draft of Rs. 1000/- (Rupees One Thousand Only) has to be attached with the technical bid as processing fees which is non-refundable. Demand draft/Banker's cheque/Bank Guarantee shall be drawn in favour of the Director, NIT Manipur payable at State Bank of India, Imphal, Secretariat Branch from any Scheduled Bank. The demand drafts for earnest money deposit & processing fee must be enclosed in the envelope with the technical bid.
2. Offer in the financial bid should be written in English and price should be written in both figures and words. The offer should be typed or written in ink pen or ball pen. Use of pencil will be ignored. The relevant supporting documents as required must be enclosed.
3. Envelope of technical bid & financial bid should be individually sealed and then placed in a third envelope, to be sealed and superscribed with tender number, due date of submission and address to: "The Director, NIT Manipur, Langol Campus, Imphal - 795004.
4. Sealed tender should reach the Institute, latest by **15.12.2017 latest by 03:00 PM**. Tender(s) received beyond the last date of submission will be rejected. No tender will be entertained by E-mail or FAX.
5. **Tender documents will be opened on 19.12.2017 at 12:00 Noon** in the Administrative Block of the Institute in the presence of the tenderer(s) or their authorized representative(s), who are present at the scheduled date and time.
6. In the event of the due date of receipt and opening of the tender being declared as a holiday for the Institute, then due date of receipt / opening of the tender will be the next working day at the same time.
7. The tenderers are requested to read the tender document carefully and ensure to comply with all the instructions herein. Non-compliance of the instructions contained in this document may disqualify the tenderer from the tendering exercise.
8. The Institute reserves the right to revise or alter the specifications before acceptance of any tender and accept or reject any or all tenders, wholly or partly or close the tender without assigning any reason whatsoever.



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Tenders should be submitted in two parts, (i) Part – I (Technical Bid) & (ii) Part – II (Financial Bid).

Envelope of Part – I should be superscripted as “Tender for Supply & Installation of 160 KVA Silent DG Set Part – I Technical Bid” and

Envelope of part – II should be superscripted as “Tender for Supply & Installation of 160 KVA Silent DG Set Part – II Financial Bid”.

**Registrar
NIT Manipur**

Enclosures:

- a. Annexure - I: Terms & Conditions
- b. Annexure - II: Technical Bid (Bidders Details)
- c. Annexure - III: Schedule of Work (Financial Bid)
- d. Annexure - IV: Schedule of Guaranteed Technical Particulars (Technical Bid)
- e. Annexure - V: Details of Demand Draft
- f. Annexure - VI: Data for Electronic Payment
- g. Annexure - VII: Declaration regarding blacklisting / debarring for taking part in tender.

**Registrar
NIT Manipur**



ANNEXURE - I

TERMS & CONDITIONS

1. PRICES AND TAXES

- i) Price quoted by Firm shall be firm and final.
- ii) Bidders are requested to indicate GST registration No. as well as PAN No. and must enclose attested Photocopy of GST/PAN registration no.

2. **F.O.R.:-** Price should be F.O.R. NIT Manipur, Langol Campus, Imphal.

3. **DELIVERY:-** Within 45 days from the date of receipt of Supply order. The date of despatch/booking shall be treated as the date of delivery.

4. **TURN OVER CERTIFICATE:-** The Bidder/ Firm must enclosed Business Turnover certificate certified by CA having not less than Rs. 50 Lacs (Fifty Lacs) annual turnover for last 2 (two) financial years along with authentication certification from Sales Tax Department.

5. VALIDITY:-

- i) **The Bid should be valid for minimum 60 days from the scheduled date of tender opening with provision for subsequent extension, if necessary.**
- ii) **The rate should be valid for the financial year 2017-2018.**

6. **INSPECTION:-** An Authorized representative of NIT Manipur may inspect the materials at firm's premises before dispatch. The firm shall give inspection call indicating readiness of materials.

7. TECHNICAL SPECIFICATIONS:

- i) Make & relevant details should be clearly mentioned in your offer
- ii) Details of technical literature / catalogues.
- iii) Dealership certificate along with company price list.

8. **GUARANTEE / WARRANTEE:-** All the materials should be guaranteed against all manufacturing defects for a period of 36 months from the date of dispatch / supply.

9. **EARNEST MONEY DEPOSIT (EMD) / Bid Security :-** The bidders shall submit EMD @ of 2 percent of the estimated value of the goods payable in the form of Account Payee Demand Draft/ Fixed Deposit Receipt/Banker's Cheque/Bank Guarantee from any of the Commercial Banks.

i) **The supplier should also provide the manufacturer's test certificate for the engine and alternator for the routine and type test.**

ii) **After installation & commissioning the set shall be tested by the contractor / supplier for 2 hours at 40% load arranged by him plus the available load at site for which consumable such as fuel, lubricating oil etc, shall be provided by contractor / supplier.**

10. **Bid without EMD shall be rejected and shall be returned back to the bidder.**



11. The **EMD/Bid Security of the unsuccessful bidders shall be returned within 30 days of finalization of the tender. EMD/Bid Security shall be refunded to the successful bidder on receipt of Performance Security.**
12. **Performance Security: Performance Security @ of 5% of the estimated value of the goods to be procured may be furnished in the form of an Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from a Commercial bank within 15 days of issuance of Purchase Order. Performance Security should remain valid for a period of sixty (60) days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.**
13. **The EMD shall be liable to be forfeited by NIT Manipur in case any of the bidders alters or withdraws the bid during the validity of the offer, after opening of bids. The EMD shall also be forfeited in case the successful bidder fails to accept the Purchase/ supply order or fails to Execute/Supply the items/materials as per the Purchase/ Supply order.**
14. **PAYMENT:** - 100% Payment will be made only after satisfactory completion of supply & installation/commissioning.
15. NIT, Manipur i.e. the purchaser, reserves the rights to reject/accept or partly accept any offer without assigning any reason for such decision at any stage.
16. NIT, Manipur shall not be responsible for delay, loss or non-receipt of tenders/quotation sent by post. Tender/Quotation received late due to any reason shall not be considered. Tender submitted by email shall not be accepted.
17. If the due date of receipt / opening as mentioned is a holiday(s), the quotation shall be received and opened at the same time as specified but on the next working day.
18. **The undersigned reserves the right of rejecting all or any of the tenders and is not bound to be accepting the lowest or any other tenders.**

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ANNEXURE – II

TECHNICAL BID (BIDDERS DETAILS)

1	Name of the firm	
2	Registered Office address Telephone Number Fax Number e-mail	
3	Correspondence/contact address	
4	Details of Contact Person (Name, designation, address etc.) Telephone Number (including Mobile No) Fax Number, e-mail	

Place: _____

Signature: _____

Date: _____

Name: _____

Seal of Tenderer:



ANNEXURE - III

SCHEDULE OF WORK (FINANCIAL BID)

Name of the work: Supply, Erection, Testing and commissioning of one 160 KVA, 415V, Diesel Generator Set in acoustic enclosure with all accessories at NIT Manipur, Langol Campus.

Sl. No.	Description	Qty	Rate	Amount
1	Supply, Installation, Testing and commissioning of Diesel Gen, set of reputed make as mentioned in the Annexure of Tender Schedule. The D.G. Set rating should be 160 KVA, 128 KW, 50 Hz with acoustic enclosure as per CPCB norms consisting of the following:- a) Water cooled diesel engine with electric starting equipments, batteries with leads etc., complete with accessories as detailed in technical specifications. b) Common bed with “Cushy foot” anti-vibration mounting as required. c) Alternator of suitable capacity suitably coupled to the engine. d) Piping and pumping work required for fuel system including all accessories	1 job		
2	Supply and installation of exhaust piping with 150 mm Dia M.S. class “B” pipe including hardware like flange, bends, bolt & nuts, gasket, support etc. as required.	10 mt		
3	Providing Earth pits with G.I. medium pipe 3.0 mts long and 40mm dia including accessories 250x50x6mm G.I. clamp with 12mm bolt, nut and washer for connecting earth wire, RRC ring enclosure and cover plate complete as required.	4 sets		
4	Supply and running of 25x3 mm copper flat in ground at a dept of one feet and connecting with earth electrode for neutral & body earth.	40 mt		
5	Supply and fixing of safety equipments comprising of 2 Nos. of CO2 type Fire extinguisher, 4 Nos. of fire buckets with stand and rubber mat	1 job		
6	Supply and making end termination of 3.5x185 sq.mm aluminium armoured cable with brass compression gland and aluminium lugs	8 sets		
7	Supply and laying of 12 core sensing cable with 2.5 sq.mm multi stranded copper cable for looping cable & necessary glands etc.	20 mt		
8	Service charges towards erection and commissioning of DG set with acoustic enclosure including supply and fixing of friction pads, positioning and initial filling of lube oil, diesel, testing the DG set on load capacity	1 job		
	Total (Rupees)			



ANNEXURE – IV

SCHEDULE OF GUARANTEED TECHNICAL PARTICULARS
(TECHNICAL BID)

SL.NO.	DETAILS OF PARTICULARS	REMARKS
I.	ENGINE:-	
1.	Make	
2.	Model No.	
3.	Type	
4.	No. of Cylinders	
5.	Arrangement of Cylinders	
6.	Bore and stroke	
7.	RPM	
8.	Method of starting	
9.	Fuel injection type	
10.	Aspiration method	
11.	Lubricating oil system	
12.	Time required for starting from cold	
13.	Type of Governor	
14.	Fuel oil recommended	
15.	Lubricating oil recommended	
16.	LMP at site at output shaft/coupling	
17.	Over load capability	
	i) Full load	
	ii) Half load	
	iii) No load	
18.	Mechanical efficiency	
19.	Fuel Consumption per hour	
	i) Full load	
	ii) $\frac{3}{4}$ load	
	iii) $\frac{1}{2}$ load	
	iv) No load	
20.	Standard mounting accessories on engine (furnished details as Annexure)	
21.	Safety shut downs provided	



22. Direction of rotation
23. Type of cooling and sump capacity
24. Oil (Type & Quantity)
25. Any other data

II. ALTERNATOR:-

1. Make
2. Model No.
3. Type
4. Governing specifications
5. a) Full load output in KVA
b) Full load output in KW (at 0.8 PF)
6. Enclosure
7. Speed/frequency
8. No. of phases
9. Is neutral brought out
10. Voltage between phase/neutral
11. Regulated band of voltages
12. Current carrying capacity of winding.
13. Percentage imbalance permissible
14. Permitted over load capacity (maximum)
15. Short time over load
16. Efficiency
17. Temporary over load after full load run for 12 hours
18. Excitation method
19. Excitation amps at full load
20. Excitation Voltage
21. Air gap between stator and rotor
22. Exciter type

III. GENERAL

1. Length of set (overall) & width (overall)
2. Weight of set (overall)
3. Head room needed for lifting/servicing
4. Weight of Alternator



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5. Weight of engine
6. Direction of rotation
7. Standard accessories
8. Radiator (made and type)
9. Fan dia
10. CFM of fan and static pressure
11. RPM of fan//type of drive.
12. HP absorbed by fan.
13. Capacity of daily service tank.
14. Size of service tank.

IV. SOUND PROOF ACOUSTIC ENCLOSURE

1. Overall Dimensions.
2. Material / Composition of the panels.
3. Thickness Top / Bottom/Side.
4. Panel Dimensions
5. Door Dimensions.

Place:

(Signature of Tenderer)

Date:



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ANNEXURE – V

DETAILS OF DEMAND DRAFT

Sl.	Particulars	Demand Draft/ Fixed Deposit Receipt/Banker's Cheque/Bank Guarantee Number	Dated	Bank Name	Amount (Rs.)
1	Processing Fees				
2	Earnest Money Deposit/Bid Security				

Place: _____

Signature: _____

Date: _____

Name: _____

Seal of Tenderer:



ANNEXURE – VI

DATA FOR ELECTRONIC PAYMENT

Name of Supplier/contractor in whose favour Payment is to be released	
Telephone (Landline)	
Mobile No.	
Permanent Account No.	
GST Registration No.	
Address with pin code & state	
E-Mail Id	
Contact Person	

PARTICULARS OF BANK DETAIL FOR ELECTRONIC PAYMENT

1. BANK NAME _____
2. BRANCH NAME _____
3. ADDRESS _____
4. TELEPHONE No. _____
5. IFSC CODE OF THE BANK (For payment through RTGS) _____
6. ACCOUNT TYPE _____
7. ACCOUNT NUMBER (as appearing on the Cheque Book) _____

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the user company responsible.

Date:

(Signature of Party)

Certified that the Particulars furnished above are correct as per our records.

(BANK's STAMP)

Date: -

(Signature of Authorised Official from the Bank)



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ANNEXURE - VII

DECLARATION REGARDING BLACKLISTING / DEBARRING FOR TAKING PART IN TENDER.

(To be executed & attested by Public Notary / Executive Magistrate on Rs.10/- non judicial Stamp paper by the bidder)

I / We Manufacturer / Partner(s)/
Authorized Distributor /agent of M/s hereby declare that the firm/company namely M/s.
..... has not been blacklisted or debarred in the past by Union /
State Government or organization from taking part in Government tenders in India.

DEPONENT Name

Address

Attested:

(Public Notary / Executive Magistrate)