



KOLHAN UNIVERSITY

CHAIBASA, WEST SINGHBHUM
JHARKHAND. PIN: 833 202

Ref.No.: KU/R/64/17

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Date: 13.01.17

KOLHAN UNIVERSITY, CHAIBASA

**TENDER FOR SUPPLY, INSTALLATION, TESTING &
COMMISSIONING OF**

**SILENT DG SETS OF
82.5 KVA CAPACITY**

Tender Document:1

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KOLHAN UNIVERSITY, CHAIBASA

**TENDER FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING
OF SILENT DG SET OF 82.5 KVA CAPACITY**

Tender Notice

Sealed tenders are invited from the reputed Original Equipment Manufacturers or their Authorised dealers for supply, installation, testing & commissioning of the Silent DG Set of 82.5 KVA capacity in Kolhan University, Chaibasa to provide uninterrupted power supply to its H.Q. at Chaibasa.


Earnest Money Deposit: Rs. 20,000/- (In the form of DD of any nationalized bank in favour of Registrar Kolhan University, Chaibasa payable at Chaibasa).

Last date of bid submission: 30-01-2017 (1:00 PM)

Opening of Bid : 30-01-2017 (2:00 PM)

Tender document and other details can be obtained on any working day during the office hours from the Kolhan University office on payment of Rs.2000/- The tender documents and other details are available on the Official Website of Kolhan University www.kolhanuniversity.ac.in which may be downloaded and used for submitting the tender along with cost of tender of Rs.-2000/- in shape of DD in favour of Registrar, Kolhan University payable at Chaibasa.

The Kolhan University, Chaibasa reserves the right to reject any or all of the tenders so received without assigning any reasons whatsoever.


13.1.17
Registrar
Kolhan University,
Chaibasa



KOLHAN UNIVERSITY, CHAIBASA

**TENDER FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING
OF SILENT DG SET OF 82.5 KVA CAPACITY**

General Terms & Conditions

1. The Work is to be executed as per Terms & Conditions of the Tender and Statutory Regulations etc.
2. Site of Installation of DG Set may be inspected by the bidders on working days before submitting the bids.
3. The techno commercial bid should be in three separate sealed envelopes clearly mentioning as "General" "Technical Bid" and "Financial Bid" and all these three sealed envelopes should be put into a big envelope and it should be superscripted as "Bid for Silent DG Sets for Kolhan University, Chaibasa.
4. The last date of receipt of sealed bid offer as mentioned above is **30.01.17 at 1:00 p.m.** The sealed envelope addressed to Registrar may be submitted at the office of the Kolhan University, Chaibasa during the working hours before the Last date & time. After the expiry of the Last date & closing time, bids will not be entertained from anyone.
5. The Earnest Money Deposit (EMD) of **Rs.20,000/-** in the form of any nationalized bank Demand Draft drawn in favour of Registrar, Kolhan University, Chaibasa payable at Chaibasa only is to be submitted along with the technical bid.
6. In the first stage only technical bids will be opened for evaluation after cut off date & time on the day i.e. on **30.01.2017**. The representatives of the parties, if they wish may remain present while opening of the technical bids.
7. Financial bids of only those bidders whose technical bids are acceptable/qualified will be opened for the 2nd stage selection and the date of opening will be communicated to the qualified bidders only. If they wish may remain present while opening of the financial bids.
8. The EMDs of the unsuccessful bidders will be refunded without any interest.
9. All the pages/documents of the bid should bear the signature of the bidder with date. All the entries by the bidder should be in one ink & legibly written. Any over-writing corrections & cuttings should bear dated initials of the bidder. Corrections should be made by writing-again instead of shaping or over-writing.



10. Rates should be quoted both in figures as well as in words. In case the rates quoted in words & figures are at variance, the rates written in words will be taken as final.
11. Kolhan University reserves the right to reject or accept any or all application(s) without assigning any reasons and to restrict the list of pre-qualified agencies to any number deemed suitable by it. Bids incomplete in any form is liable to be rejected outright.
12. Finalization of any bid is the sole discretion of the Kolhan University reserves the right to modify the tender document or any other condition.
13. Only those OEM's (original equipment manufacturers) and authorised dealers/suppliers of Silent DG Set, who have minimum 5 years of experience in the field of undertaking similar works for Central Government/State Government Departments/Public Sector Undertakings/statutory bodies/MNC's and who fulfill the following pre-qualification criteria are eligible to tender:
Minimum 5 years experience in undertaking similar nature of works.
Minimum yearly turnover of at least Rs. 50 Lacs during last 3 years supported by audited financial statements.

Bidders should submit copies of detailed work order indicating scope and value of Purchase Orders for the supply & Installation of Silent DG Sets and completion certificate for the qualifying works. Bidders should also provide a list of completed works.

Bids submitted by a firm who is found to be not satisfying the above criteria will be rejected.

14. The **scope of work** of the bidder in brief is enumerated below:
 - (a) Supplying, installation, testing and commissioning of varying capacity of DG Set (ranging 82.5 KVA) with acoustic enclosure and **AMF panel**.
 - (b) The necessary platform for installation of the DG Set is already prepared. However, if required the bidder may choose to prepare the same in the present prepared platform, if not suitable, in that case, the cost of same should be quoted separately.
 - (c) Proper Earthing required for the installation of Silent DG Sets and protection of equipment and Human being as per Indian Electricity Rules 1956. Copper/GI plate earthing with Copper/GI plate of minimum size 600*600*3 mm and Copper/GI strip of size 25*3 mm laid in ground at a depth of 12 feet complete with Charcoal, Salt and Manhole cover etc..
 - (d) Supply, installation and testing of Changeover and other electrical fittings, cables etc. required for the installation of DG Set in respective Site.

Change Over Switch

: 82.5 kva : 200 amps 4 pole

Cable Thickness of

: 82.5 kva : 95 sqmm 3.5 core

- (e) Arrangement of equipment, tool and tackles and scaffolding material for installation of the equipment at site at the cost of bidder.
- (f) Required quantity of lubricant and coolant are to be arranged by bidder at the cost of bidder till commissioning and handing over the system and during the warranty period of one year.



- (g) Submission of warranty certificate and test certificates of the manufacturer.
- (h) Cleaning and removal of all unused / wastage material from the site immediately after handing over the equipments.
- (i) Obtaining necessary certificates/ NOCs from concerned statutory authorities.
15. The Seller shall, at their own expense, arrange for safety provisions as per safety codes on Indian Standards Institution, Indian Electricity Act and such other Rules, Regulations and Laws as may be applicable, as indicated below, in respect of all labour, directly or indirectly employed in the work for performance of the Sellers' part of this agreement.
16. The bidder shall not assign the contract or any part thereof without the prior written consent/ approval of the Kolhan University. The bidder shall also not sublet the work or part of the work except with the written consent of the Kolhan University and such consent even if provided shall not relieve the firm from any liability or any obligation under the contract.
17. (i) The EMD of the successful bidder will be converted into performance guarantee and shall be retained for the entire period of contract. The agency shall not be entitled to any claim or receive any interest on the amount of performance guarantee. In addition to the above additional performance guarantee of remaining part of the 10% of P O value in the form of bank guarantee is to be submitted immediately after execution of the agreement.
- (ii) The EMD shall be forfeited by Kolhan University in case:
- (a) The bidder withdraw its offer during the period of tender validity.
- (b) After submission of bid, the bidder fails to sign the contract, honour the order or refuses to comply with any or all terms and conditions as mentioned in the tender document.
- (iii) The EMD and Security money is included of the successful bidder and Security money is converted into bank grantee also.
- (iv) All the EMD and Security money is refundable to the unsuccessful bidder.
18. The offer should be valid for a minimum period of **Six months** from the date of opening of technical bid.
19. The contract will be initially valid for a period of one year and after expiry of one year Kolhan University will evaluate the performance of the firm. If the services are found satisfactory, the Kolhan University reserves the right to extend the contract for another one year or more on the same terms & conditions.
20. The quoted rates should be provided as per above mentioned scope of work.
21. (i) The Kolhan University reserves the right to cancel the agreement by giving one month notice in writing without assigning any reason whatsoever.
- (ii) The contract shall be terminated if the service of the agency is not found satisfactory or the agency changes the rate of contract during the contract period.
22. Seller has to get Installation of all Items conducted within **two months** of the placement of Purchase Order. Delivery of all items to be completed within **next 2-3 weeks**. The installation of all the items in the respective site of District Court, Bahaich will have to be completed satisfactorily within **twelve weeks** from the date of issue of the purchase order by Kolhan University, Chaibasa to the vendor failing which the Purchase Order may be cancelled.



23. The Kolhan University, Chaibasa reserves the right to cancel the total/part purchase order, if the delivery gets delayed more than 4 weeks from the stipulated period of 6 weeks given in the Purchase Order. Penalty as mentioned in clause 25 above shall however be applicable even if the order is cancelled in part or full. Kolhan University shall have no responsibility what-so-ever for any damages sustained by the vendor due to cancellation of the purchase order. In such case, the earnest money deposited by the vendor in Kolhan University, Chaibasa shall be forfeited in full.
24. Kolhan University, Chaibasa reserves the right to reject any items supplied against the purchase order, if found not working satisfactorily at the time of installation at site(s). The rejected items, if any, shall have to be taken back and replaced by good quality items forthwith at the cost of the supplier. No payment will be made for the rejected item(s).
25. If the installation of the items at site gets delayed from the stipulated period given above and to be given in the Purchase Order, then Kolhan University reserves the right to forfeit the earnest money deposited by the vendor and the balance payment, if any, due to the supplier for the items supplied against the purchase order shall be forfeited.
26. The bills complete in all respect should be presented to the Registrar, Kolhan University and payment of the bills will be made after scrutinizing and verifying the bills within a period of thirty days from the date of receipt of the confirmation report of commissioning of DG Set, duly signed by CCDC of the university. TDS will be deducted as per the prevailing rate.
27. The losses to the university which are directly attributable to the firm shall be deducted from the bills/adjusted from the performance guarantee.


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Registrar
Kolhan University,
Chaibasa



KOLHAN UNIVERSITY, CHAIBASA
**TENDER FOR SUPPLY, INSTALLATION, TESTING &
COMMISSIONING OF**
SILENT DG SETS OF
82.5 KVA CAPACITY

TECHNICAL SCHEDULE
for
82.5 KVA Silent Diesel Generator

Device	Parameters	Unit	82.5 KVA		
DG Set	Manufacturer Name				
Engine	Make (ISI Marked)	CUMMINS/ KIRLOSKAR/ GREAVES/ MAHINDRA/MAHINDRA/ EICHER/ESCOT/ SONALIKA/ASHOK EYLAND/ MITSUBISHI			
	Model No.				
	Gross Power	bhp	Matching to BS5514 & IS 10001		
	Speed	rmp	1500		
	Cooling System	Air Cooled/Water Cooled with radiator			
	Aspiration		Turbo		
	No. of cylinders		4/6		
	BHP		105		
	Type of governor	Mechanical/Electrical			
	Governing class	A1/A2			
	Starting System	12V/24V DC			
	Gross SFC	Suitable			
	Lubricating Oil system capacity (with filters)	Suitable			
Alternator	Make (ISI Marked)	Meccalte/ Crompton/ LEROY SOMER/ Stamford/ Kirloskar Green/ Kirloska/ Enertron			
	Rating	KVA	82.5		
	Power Factor (lag)		0.8		
	Type	Brush less			

Handwritten signature



	Insulation	Class -H	
	Voltage	V	415
	Frequency	Hz	50
Fuel Tank	Suitable for minimum 12 hrs duration		
Fuel Type	HSD		
Battery	Rating	Ah	150
	Make	Exide/Panasonic/CSB/AMCO/AMRON/PRESTOLITE	
Acoustic Enclosure	Rise in Temperature	°C	5-7
	Noise level at 1 meter	dBA	75
(Thickness min. 2mm)	distance		
	Whether approved by CPCB authorised lab		Yes
Canopy	Weather proof, sound proof enclosure meeting latest CPCB norms to operate at full load and at 50°C air inlet temperature. Insulation material should conform to UL94HF1 class for flamability.		
Phase			Three
Control Panel Features	<p>The AMF control panel shall have following instruments/ or multifunction meter with following features</p> <ul style="list-style-type: none"> Incoming and Outgoing Voltage Current in Amperes in all phase Frequency KVA Emergency Stop Push button for Engine Indication for alternator supply Running time indications number of hours of operation and service intervals, service due indications Fuel tank level indication and low fuel level alarm Battery Charge indication Mode selector switch for setting the panel on any one position such as off or auto or manual, or test Engine on-off switch (push button type) MCCB of suitable rating any other switch, instrument, relay or contactor etc. essential for smooth and trouble free functioning of DG set with AMF panel 		
Safety Systems	<p>Fitted with engine tripping system and audio visual alarm</p> <ul style="list-style-type: none"> in case of High Water Temperature in case of Low Oil Pressure in case of Engine Over Speed in case of high Engine temperature in case of any other fault in DG set 		
Cable	Length of cable required in site to be covered on turnkey basis.		

DOH



KOLHAN UNIVERSITY, CHAIBASA

Proforma for

Part – I : General Information

Note: The bidder is required to submit information complete in all respect (additional sheets may be used, if required) :

S.N.	Description	Information to be filled by the Bidder
1	Name of the firm	
2	Year of Establishment	
3	Type of organization (Proprietorship, Limited etc.)	
4	Postal address Telephone numbers Fax e-mail	
5 (a)	Any authorized branches of the firm in UP, if so give details alongwith Complete address, Contact person & Contact nos.	
(b)	Service Network of the OEM/Firm in UP (Detailed list along with Complete address, Contact person & Contact nos.	
6	Name of the Proprietor/ Partner/ Managing Director etc.	
7	Nature of your firm: Manufacturer/ Stockiest/ Dealer/ Distributor/ Agent etc.	
8	Details of products you are dealing in	
9	Turnover for the last three years exclusively relating to Sales & Services of DG sets (in Rs.....lacs) (a) 2013-2014 (b) 2012-2013 (c) 2011-2012	Audited Balance Sheet be attached alongwith relevant Purchase Orders arranged year wise. (a) proof attached at Annexure Nos.to..... (b) proof attached at Annexure No.to..... (c) proof attached at Annexure No.to.....
10	List of Existing reputed Clients in the following format: (Annexure:....) Name of the company /organization /office Contact person with telephone number and Email IDs Contract Period Copy of contract/ agreement/ experience certificate to be enclosed	

DOH



11	If you are registered with DGS&D or any other Govt./ PSU/ authorized body. Please give details: (a) Name and address of organization registered with. (b) Registration No. (c) Date of registration (d) Date till when registration is valid (e) Whether registered for items for which enquiry is sent	
12	Has your firm ever been black listed by the Govt. or any other authority? Please give details and reasons thereof	
13	Are you income tax payee, if so please furnish following details along with proof. (a) PAN (b) TDS Accounts if any (c) Central Sales Tax Registration No.	
14	Banker's Name and address (Banker's solvency certificate to be attached)	
15	Income Tax return for the last three years Kindly enclose following documents: i. Photocopies of PAN card, Service Tax & VAT registration certificate. ii. Photocopies of performance certificate issued by clients during last five years. iii. There should not be any indication of price/ rate/ charges in Part-I of the tender.	

Note : Conditional tenders will be not accepted.

I/ we do hereby declare that the entries made in the application are true to the best of my /our knowledge and belief. I /we do also confirm that I / we have read and understood General Conditions of Contract and agree to abide by the same in all respect.

I /we also undertake to communicate promptly to Kolhan University, Chaibasa all the subsequent changes in conditions affecting the accuracy of the details given above.

Date : ____/____/ 2014

Place:

Seal & Signature of Proprietor/ Director/
Managing Director/ Constituted Attorney



KOLHAN UNIVERSITY, CHAIBASA

**TENDER FOR SUPPLY, INSTALLATION, TESTING &
COMMISSIONING OF**

**SILENT DG SETS OF
82.5 KVA CAPACITY**

Proforma for

Part – II : TECHNICAL SCHEDULE

for

82.5 KVA Silent Diesel Generator

Device	Parameters	Unit	82.5 KVA
DG Set	Brand/Make		
	Model No.		
Engine	Make (ISI Marked)		
	Model No.		
	Gross Power	bhp	
	Speed	rpm	
	Cooling System		
	Aspiration		
	No. of cylinders		
	Type of governor		
	Governing class		
	Starting System		
	Gross SFC	gm/hp-hr	
	Lubricating Oil system capacity (with filters)		
	Rated Current		
	Displacement		
	Compression Ratio		
Lubricant Oil change period			
Coolant Capacity			

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Alternator	Make (ISI Marked)			
	Model No.			
	Rating	KVA		
	Power Factor (lag)			
	Type			
	Insulation			
	Voltage	V		
	Frequency	Hz		
Fuel Tank	Capacity	Liters		
Fuel Type				
Fuel Efficiency	(In ltrs/hour on full load)			
Battery	Rating	Ah		
	Make	°C		
Acoustic Enclosure (Thickness min. 2mm)	Rise in Temperature	dba		
	Noise level at 1 meter distance			
	Whether approved by CPCB authorized lab			
	Width	Mm		
	Height	mm		
Canopy				
Phase				
Approx. Weight		Kgs.		

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Control Panel Features	Please tick against each if available and fill the details where required.			
	Incoming and Outgoing Voltage			
	Current in Amperes in all phase			
	Frequency			
	KVA			
	Emergency Stop Push button for Engine			
	Indication for alternator supply			
	Running time indications number of hours of operation and service intervals, service due indications			
	Fuel tank level indication and low fuel level alarm			
	Battery Charge indication			
	Mode selector switch for setting the panel on any one position such as off or auto or manual, or test			
	MCCB of suitable rating			
	Engine on-off switch (push button type)			
	Any other switch, instrument, relay or contactor etc. essential for smooth and trouble free functioning of DG set with AMF panel			
Safety Systems	Fitted with engine tripping system and audio visual alarm			
	in case of High Water Temperature			
	in case of Low Oil Pressure			
	in case of Engine Over Speed			
	in case of high Engine temperature			
	in case of any other fault in DG set			
Cable				
Any other relevant technical information which is not covered under above heads				

Note: Specific Certificates of approval Obtained from certifying authorities with regard to quoted model of silent DG Set and parts used in these models of silent DG Set by OEM's should be attached.

Date:

Place:

Signature of Proprietor/ Director/ Managing
Director/ Constituted Attorney

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Proforma for Part -III : Financial Bid

Item No	Description	Qty	Unit Price						Total Price 3*10 ()	
			Basic Price ()	Excise Duty () (.....%)	Sub-total 4+5 ()	CST/Trade Tax/VAT () (.....%)	Transportation Charges (Including Service Tax) ()	Installation of Generator complete with Control Panel, Inter connecting cables, Exhaust pipes, Generator Earthing, Control Cabling and other accessories as per specification & drawings. ()		Total Unit Price 6+7+8+9 ()
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Supply & Delivery Silent DG Sets of 82.5 KVA to the specified location.									
	Sub Total									
	Discount if any (.....%)									
	Sub Total after Discount									
	Service Tax (If applicable)									
	TOTAL									

Total Amount (Bid Value) in words: Rupees

Date:

Place:

Seal & Signature of Proprietor/ Director/
Managing Director/ Constituted Attorney