



Govt. of Bihar
Deptt. Of Health & Family Welfare

State Health Society, Bihar
Pariwar Kalyan Bhawan, Sheikhpura, Patna-14



Tender Notice for Hiring Silent DG Set on Rent

Sealed tenders are invited from the reputed registered agencies for hiring one silent 75 KVA DG set (with acoustic enclosure) on rent. The agency will be responsible for providing the uninterrupted power supply to SHSB as per requirement from 9AM to 9 PM on all the days of the month including weekly off and National Holidays. Interested agencies should quote their rates typed (Hand written quotation not allowed) in the format. Bids received in any other format will not be considered. Details of the tender can be obtained from our website (www.statehealthsocietybihar.org)

Eligibility Criteria:

Tenders in one large envelope marked as "Bid for Hiring Silent DG Set on Rent" containing two separate sealed envelopes.

- 1) Envelope 'A' marked with "Technical Bid for Hiring Silent DG Set on Rent"
- 2) Envelope 'B' marked with "Financial Bid for Hiring Silent DG Set on Rent"

Financial Bids of only those tenderers, who qualify in the technical bid, will be opened.

Interested agencies must enclose the following credentials in the

Technical Bid marked as Cover 'A':

1. Requisite document showing five years of market standing in the field of Genset.
2. Registration No of the Agency.
3. Copy of PAN card.
4. Electrical licence
5. Service Tax of the agency
6. Audit report of Accounts for the last three years.
7. Average annual turnover of Rs 20 Lacs in the last three years.
8. Demand Draft/ Bankers Cheque of Rs. 20,000/- (Twenty Thousand Only- Refundable-in case of not being selected) in favour of State Health Society, Bihar.

Financial Bid, marked as Cover 'B':

Financial bid should be given in the format as below:

SN	Particulars	Rates Inclusive of all the taxes	
		(In Figure)	(In Words)
1.	Charges for 75 KVA Silent Genset with Fuel, Operator & Maintenance		

The last date for submitting the complete tender document is 15th July 2011 (3 PM) through registered/speed post only. The bid shall be opened on same day at SHSB in the presence of the parties those who wish to participate. SHSB reserves the right to accept or reject any offer/all offers without assigning any reason. For all enquiries the interested agencies may contact I/c HK, Tel no. 0612-2281545 during office hours on all working days.

Executive Director

TERMS OF REFERENCE

Background:

Health care facility service utilization in public sector has increased many folds in Bihar after the inception of NRHM. For proper functioning of the office at Head Quarter, SHSB requires uninterrupted electricity supply through appropriate source for which SHS intend to outsource the Generator services from eligible agencies.

Scope of Work:

Silent Genset Facility for the office of SHSB from 9 AM to 9 PM when electrical connection goes off.

DETAIL REQUIREMENTS OF THE GENERATOR SET

- a) That it should be a silent generator fulfilling the norms of the pollution control board.
- b) That it should be provided with main failure automatic starter, automatic change over switch which should start on failure of electric supply and provide regular maintenance services.
- c) The generator set provided should be brand new, having diesel engine and alternator and the offered make and type of generator should have satisfactory service record in India at least during last three years.
- d) DG set should be of 75 KV.
- e) DG set should be provided with one man for operational purposes.
- f) The diesel generator set shall be supplied complete with all ancillary equipment necessary for starting and running of the set, including cooling systems, fuel storage and supply system, instrumentation, control and protection arrangements, spares and special tools.
- g) The generator set and the ancillary equipment shall be installed in the generator room / space as provided by the SHS.
- h) Generator body and Generator neutral shall be solidly earthed.
- i) The set is to be reasonably self-contained to minimize the work of installation at site. The engine, alternator and cooling radiator shall be mounted on a combined under base of stress relieved fabricated steel and engine accessories shall also be mounted on the under base where appropriate, provided that this does not result in difficulty of access for maintenance.
- j) The set is to be mounted on suitable arrangement of anti vibration mounting designed to minimize the transmission of vibration but without resulting in excessive amplitudes of movement of any parts of the set. If rubber is employed in the mounts, their design should incorporate means of preventing deterioration due oil leakages.
- k) Flexible connection shall be provided to all exhaust, water, air, fuel and oil piping that leave the engine to prevent the transmission of vibration and the fracture of the piping due to movement of the set.
- l) The choice of connections and their installation is to be such as to give long life under normal operating condition of the set.
- m) All maintenance including fuel and repair liability will remain with the agency and the electrical items/ any other item required for Installation & commissioning of the DG set will be the responsibility of the agency.

Specification for DG sets:

Diesel engine and alternator shall be close coupled or provided with flexible coupling and mounted on a base plate of robust construction. DG sets shall meet the requirement of environment (protection) rules 1986 as laid down by Ministry of Environment & Forests read with GSR No. 371 (E) dtd.17.05.02, GSR 520 (E) dtd.01.07.03 and GSR 448 (E) dtd.12.07.04 in respect of emission norms for the engines and in respect of noise level for the DG sets for supplies to be made.

Specification for Alternator & Diesel Engine

Alternator:

The alternator shall be self excited and self regulated of specified KVA rating in Single/three phase at 240/415 V, 50 Hz, 1500 RPM and 0.8 pf lagging power factor and shall conform to IS:13364 (Part 1) 1992 up to 20 KVA or IS : 13364 (part II) 1992 above 20 KVA or IS 4722 of 1992. The alternators shall be of brush type or brush less type with VG Grade of voltage

regulation for ratings up to 82.5 KVA and of brushless type only for ratings above 82.5 KVA with VG-3 Grade of voltage regulation. The alternators shall be screen protected drip proof with IP 21 degree of protection as per IS:4691/85. The makes of alternators will be Crompton/IEC/Elgi/Stamford/CGL/KEC/IEC DGS&D approved make.

Diesel engine:

The Diesel engine shall be Air or Water cooled as specified, electric start developing required BHP at 1500 RPM with Class A-2 Governing for alternator to deliver specified continuous KVA output at 0.8 lagging pf at NTP conditions. The Diesel engine should be capable of providing 10% overload for one hour for every 11 hours continuous running at full load. The Diesel engine shall conform to IS 10000 or BS:5514 or BS:649.

The diesel engine shall be complete with the following accessories:

1. Fuel tank with capacity for 12 hrs. continuous running at full load.
2. Engine instrument panel consisting of starting switch with key, lub oil temperature and pressure gauges, RPM indicator and hour meter.
3. Safety controls to shut down the engine in the event of Low lub oil pressure or high cylinder head temperature in case of air-cooled engines or high water temperature in case of water-cooled engines.
4. Radiator in case of water-cooled engines.
5. Exhaust silencer of residential type.
6. 12V or 24V starting system complete with charging alternator or dynamo and cut out.
7. Lead acid batteries of suitable ratings with connecting cables. The batteries shall be supplied in uncharged condition and shall conform to relevant IS specification.
8. Standard set of tools and spares for maintenance comprising of 1 No. screw driver, 1 No. spanner and 1 set of fuel and lub oil filters.

STANDARD CONTROL PANEL:

The control panel shall be fabricated from steel sheet of minimum 1.5 mm thick duly pre-treated and aesthetically finished. The control panel shall be totally enclosed, dust and vermin proof, floor mounted/ wall mounted/skid mounted type. The control panel with degree of protection IP-53 as per IS: 13947 (Part-1) 1993.

The Standard control panel shall consists of the following instruments:

- a. Composite meter for digital display of:
 - i) Voltage
 - ii) Current
 - iii) Power factor
 - iv) Frequency
 - v) Energy
- b. HRC fuses of suitable rating.
- c. One MCCB of suitable rating for DG set.
- e. 3 Pilot lamps.
- f. Battery charger complete with voltage regulator, Voltmeter and Ammeter for charging the battery from external Mains. This will be in addition to the battery charging alternator or dynamo fitted on the engine.
- h. Instrument fuses.

All the components in the control panel shall be properly mounted, duly wired and labelled. Suitable terminals are to be provided for panel incoming and outgoing connections.

Reporting:

Genset operator will report to I/c House Keeping.

Payment terms:

The payment will be made by the SHS within 15 days from the receipt of the invoice for the previous month services. TDS shall be deducted at prescribed norms on the payable amount as applicable

Period of contract

The initial contract will be till 31.03.2013.

Termination of Contract:

This contract can be terminated by giving two months notice on either side.

Security deposit:

The successful bidder will be required to deposit an amount of Rs 100000.00 (One Lacs) as Security Deposit in the form of Demand Draft/Pay Order favouring State Health Society Bihar within two weeks from the date of award of the contract. The security shall be refunded to the contractor after satisfactory completion of the contract or adjusted against any damages or loss of property etc. caused by the personnel deputed by the agency. No interest will be paid on the security money deposited with SHSB.

General conditions:

- 1) Genset services shall be provided for the office of SHSB from 9 AM to 9 PM when electrical connection goes off.
- 2) The operator shall be properly trained for minor break down and She/He should be provided with uniform and wear appropriate identification badges.
- 3) The Agency shall be fully responsible for all work and services performed by its operator, and shall for this purpose employ qualified, competent and well-trained operator to perform the services under the Contract.
- 4) The Contractor shall take all reasonable measures to ensure that the Contractor's personnel conform to the highest standards of moral and ethical conduct. Head of the office at any time, request in writing the withdrawal or replacement of any personnel of the Contractor assigned to perform work or services under this Contract. The Contractor shall, at its own cost and expense, withdraw or replace such personnel forthwith. Such request shall not be deemed a termination of this Contract.
- 5) SHSB shall not be liable for any action, omission, negligence or misconduct of the Contractor's employees, agents, servants, or subcontractors nor for any insurance coverage which may be necessary or desirable for the purpose of this Contract, nor for any costs, expenses or claims associated with any illness, injury, death or disability of the Contractor's employees, agents, servants, or subcontractors performing work or services in connection with this Contract.
- 6) The owner shall rectify defects if any which may occur in the generator set in least possible time within the same day itself. In case of failure to rectify the defect within the same day a penalty equal to twice the rental for the period during which generator is not in operation shall be levied. The owner shall make arrangement for providing some other generator set of the same capacity immediately. Penalty shall not be imposed for period for which alternative arrangement are made

Executive Director