

***TERMS & CONDITIONS & SPECIFICATION FOR  
SUPPLY & INSTALLATION OF DG SET for MCH***

Name of the District / Health Institution: **DHH, Sundargarh**  
(HEALTH & F.W. DEPTT., GOVT. OF ORISSA)

Tel: (06622)273790 /

**Tender No. - 3693/DPMU/2018-19**

**TENDER DOCUMENT FOR SUPPLY & INSTALLATION  
OF  
DG Sets**

**OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH  
OFFICER, SUNDARGARH**



## **SECTION –I: INSTRUCTION TO BIDDERS:**

### **1. SALE OF TENDER / BID DOCUMENT:**

The Bidders have to download the Tender Documents directly from the website: [www.sundergarh.nic.in](http://www.sundergarh.nic.in). The Tender cost fee of Rs.1, 000/-(one thousand) (Non-refundable) by way Demand Draft drawn in favour of ZSS (NRHM), Additionality, Sundargarh should be enclosed along with the Technical Bid. The Tender cost fee and the EMD amount should be submitted separately in shape of demand drafts in the technical bid. In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the website or the office notice board before last date of purchase of tender document and the CDM&PHO shall have no responsibility for any delay / omission on part of the bidder.

### **2. DATE OF AVAILABILITY OF BID DOCUMENT IN WEBSITE:**

**From 12.07.2018** :

### **3. LAST DATE & TIME OF AVAILABILITY OF BID DOCUMENTS (In website):**

**2.08.2018**

### **4. LAST DATE & TIME OF RECEIPT OF BID DOCUMENTS : 2.8.2018, 5 PM**

### **5. DATE & TIME OF OPENING OF COVER-A (Technical Bid) : 3.8.2018, 11.30 AM**

### **6. DATE OF OPENING OF COVER-B (Price Bid) :**

will be intimated to technically qualified bidder.

### **7. PLACE OF OPENING OF BID DOCUMENTS / ADDRESS FOR COMMUNICATION / RECEIPT OF BID DOCUMENTS:**

Chief District Medical & Public Health Officer,  
At/P.O Sundargarh, Dist.: Sundargarh -770001

### **8. PURCHASER& INDENTER: CDM & PHO,Sundargarh**

### **9. CONSIGNEE: District Headquarter Hospital, Sundargarh**

### **10. DELIVERY: Door Delivery & within 45 days from issue of the work order**

**The tender paper will be rejected if the bidder changes any clause or Annexure of the bid document downloaded from the website.**

## SECTION -2

### 2. TERMS & CONDITIONS OF TENDER

#### 2.1 Eligibility Criteria:

**A. Manufacturing units / Importers are eligible to participate in the tender provided, they have**

- (i) Valid manufacturing license / Import License.
- (ii) Valid ISO Certificate
- (iii) Tenderer (Manufacturer/Importer) should have proof of supply of 10 nos or more of the quoted item (s) to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies.( have to submit work orders only)
- (iv) Proof of annual average turnover (Manufacturers) of Rs.3 Crore or more in the last three (3) financial years (2015-16 , 2016-17 & 2017-18)
- (v) Manufacturing unit who has been blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization for the quoted item is not eligible to participate in the tender during the period of blacklisting.
- (vi) GST Registration Certificate
- (vii) ARAI certificate.

**B. Authorized distributors on behalf of the manufacturer are eligible to participate in the tender provided they have fulfilled the following condition:**

- (i) submitted manufacturer's authorization and power of attorney to transact business on behalf of the manufacturer as per the format at **Annexure – V only**. The authorized distributor may raise bill, if specially authorized by the manufacturer.
- (ii) Proof of Annual average turnover of the firm/agencies/distributors of Rs. 1crore or more in the last three (3) financial years (2015-16, 2016-17 & 2017-18).
- (iii) The authorized distributor will have to submit following documents of each manufacturer.
  - a. Copy of Valid manufacturing / Import license of each manufacturer.
  - b. Valid ISO certificate of each manufacturer.
  - c. Copy of GST regd. Certificate of each manufacturer.
  - d. Copy of ARAI certificate of each manufacturer.
- (iv) Should have 10 nos or more proof of supply of any products to Govt. Institutions Only (Have to submit supply order copies of twenty or more)
- (v) Copy of GST Registration certificate.
- vi. Copy of PAN

2.2 All rate quoted should be type written, both in figure & word.

2.3 During tender evaluation process, all bidders & their representative have to behave professionally & any type of misconduct may lead to suitable action against the bidder as deemed fit.

2.4 The bidder or their authorized representative may remain present during the opening of technical & financial bid, if they show wish.

2.5 **EMD:** Bidder have to provide an amount of Rs. **87500/-** as Earnest Money Deposit in the shape of demand Draft only in favour of ZSS (NRHM),Additionality,

Sundargarh from any Nationalized Bank payable at Sundargarh .The local MSEs registered with respective DICs, Khadi,Village, Cottage & Handicraft Industries, OSIC & NSIC shall pay 25% of the Prescribed EMD while participating in the tenders.

**2.6 Security Deposit (performance Security):** The selected firm should submit the performance security in shape of account payee demand draft from a Nationalized Bank in favour of ZSS (NRHM),Additionality, Sundargarh equal to the amount of 10 % of the purchase order value of the items within 21 days of issue of the purchase order & will be returned back after completion of warranty period. Bid security will be refunded to the successful bidder on receipt of performance security.

**2.7** The decision of the purchase committee will be final with regards to selection of bidders and any matter arises from time to time.

**2.8 Submission of Tender:**

a. Sealed tenders will be received by Dated 02.8.2018 up to 5 PM by the CDM&PHO, Sundargarh. Any tender received after the due date & time will be rejected / returned to the sender unopened. **The tenders will be received through Regd. Post / Speed Post only.**

b. The bidder(s) are to submit their tenders in **separate** sealed covered envelopes for **technical bid** and **Price bid** by super scribing **Cover "A" (Technical Bid) & Cover "B" (Price Bid)** and both the sealed covers should be put into a **third outer Cover**, which should be super scribed as "Tender for the supply & installation of DG Set to the Office of the CDM&PHO, Sundargarh, Orissa" & Tender Reference No. 3693/DPMU- dtd 12.07.2018.

c. The Sealed tenders "Cover A" (Technical Bid) submitted by the tenderers will be opened by the District Committee in the office chamber of the CDM&PHO Sundargarh at 11.30 AM on dtd. 3.8.2018. The tenderer or their duly authorized representatives are allowed to be present during the opening of the tenders, subject to production of proof (like PAN/Authorization etc.)

**2.09 Documents needs to be submitted with the Technical BID (Cover A):**

The following documents should be enclosed in Cover "A" (Technical Bid) by the bidder. All the photocopies are to be self attested.

- a. Checklist (as per **Annexure - I**) with detail of the documents needs to be enclosed in **Cover "A"** with page number. The document should be *serially arranged* as per **Annexure - I** and should be securely tied and bound.
- b. List of Item (s) Quoted by the bidder with name of the Make & Model of the item (s) (**Annexure – II**)
- c. Tender document fee of Rs.1, 000/- in shape of Demand Draft in the favour of ZSS, NRHM, Additionality , SNG.

- d. Earnest Money Deposit of Rs. **87500/-** in shape of Demand Draft in the favour of ZSS, NRHM, Additionality, SNG.
- e. Details name, address, telephone no., Fax, e-mail of the manufacturer / authorized distributor / service centre / contract person / office in Orissa (**Annexure - III**).
- f. The declaration form in **Annexure - IV** duly signed by the bidder before Notary Public / Executive Magistrate.
- g. Manufacturer's Authorization Format in **Annexure -V** (In case the bidder is not the manufacturer)
- h. Certificate duly filled by the Auditor / Chartered Accountant (as per **Annexure - VI**) that the annual average turnover of the manufacturing firm is Rs. 3 Crore or more in the last 3 (three) financial years. Attach copy of audit report (P&L Account with balance sheet) with the turn over certificate.
- i. Certificate duly filled by the Auditor / Chartered Accountant (as per **Annexure - VI**) that the annual average turnover of the Distributor/agency/firm is Rs. 1 crore or more in the last 3 (three) financial years. Attach copy of audit report (P&L Account with balance sheet) with the turn over certificate.
- j. Performance Statement of manufacturer/Importer (**Annexure - VII**) (**Item wise**) during the last two years towards proof of supply of 10 or more nos. (s) to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies. The copy of Purchase orders should be attached.
- k. Should have 10 nos or more proof of supply of any products to Govt. Hospitals Only. Have to submit supply order copies of twenty or more( for authorized distributors only)
- l. Deviation/No Deviation Statement from Technical Specification & details of technical specification of the product (**Annexure-VIIIA & B**)
- m. Leaflet/Technical Brochures of the product/item offered.
- n. Copy of Valid Manufacturing License of the manufacturer (s) / Import License by the Importer (also to be submitted by the authorized distributor from each manufacturer).
- o. Copy of Valid ISO certificate.

- p. Copy of ARAI certificate.
- q. Copy of PAN CARD of the bidders
- r. Copy of GST Registration certificate (both manufacturer & Distributor).
- s. The Original Tender Book with Conditions and the schedules signed by the tenderer at the bottom of each page with his official seal duly affixed.
- t. Other relevant documents/test reports etc as per the technical specification in Section IV.

#### **2.10 COVER – B (PRICE BID)**

**Cover –B (Price Bid) of those bidders will be opened, only who qualifies in the Technical Bid evaluation & sample verification.** The tender format (Price Schedule) in the prescribed form (as per **Annexure – IX**) must be submitted in Cover-B. The price of the item should be quoted inclusive of excise duty, insurance, packing, forwarding, freight (door delivery), and warranty. The price of **CMC for 3 years**, turnkey job (accessories if any for installation), GST and entry tax charges (if any) should be quoted in a separate column. The rate should be quoted for *each item* both in figures and words. **In case of difference in words and figures, words will be taken into consideration for evaluation.**

**N.B:** Valid means the certificate should be valid on or beyond the date of opening of tender (Cover-A).

**2.11** The Cover “B” of tenderers who qualifies in their technical bid will only be opened (the date shall be intimated later) at the office chamber of the CDM&PHO, Sundargarh by the Purchase committee in the presence of the tenderers or their authorized representatives.

#### **2.12 REJECTION OF TENDER**

- i. The tender paper will be rejected, if any of the documents mentioned in clause no. **2.9**, from serial no. “a” to “t” are wanting / not submitted with the tender and if there is violation of any Terms & Conditions of the tender.
- ii. The tender paper will be rejected if the bidder changes any clause or Annexure of the bid document downloaded from the website.
- iii. In this regard the decision of the purchase committee will be final.

#### **2.13 EARNEST MONEY DEPOSIT**

- i. The Earnest Money Deposit will be submitted in the shape of demand Draft only in favour of ZSS (NRHM), Additionality, Sundargarh from any Nationalized / Scheduled Bank payable at Sundargarh
- ii. The EMD of the unsuccessful bidders will be returned back without interest after placement of purchase order to the successful tenderer and EMD of successful tenderer will be returned after submission of performance security.
- iii. The EMD will be forfeited if the tenderer withdraws the tender or doesn't sign the contract / doesn't supply the items (in case of successful bidder) within the stipulated time period.

#### **2.14 SECURITY DEPOSIT: (Performance Security)**

1. The performance Security should be submitted in shape of Bank Draft from a Nationalised Bank in favour of ZSS (NRHM), Additionality, Sundargarh (payable at Sundargarh) equal to the amount of 10 % of the purchase order value of the item within 21 days of issue of the purchase order.
2. The agreement (as per Annexure – X) will be signed between the supplier and the consignee / purchaser and will be kept by the consignee. A copy of the agreement may be kept by the supplier.
3. The Security Money will be returned back to the tenderer without interest after the expiry of the warranty period.
4. Security money will be forfeited if there is any violation of the tender terms and conditions.

**2.15** Tenders should be typewritten or computerized and every correction in the tender should invariably be attested with signature by the tenderer with date before submission, failing which the tender will be ineligible for further consideration.

**2.16** The rates quoted should be in **Indian Rupees only**. Rates quoted in any other currency will not be accepted.

**2.17** The price quoted by the tenderers shall not be in any case, exceed the controlled price, if any, fixed by the Central / State Government / DGS&D and the Maximum Retail Price (MRP). The purchaser, at his discretion, will in such case, exercise the right of revising the price at any stage so as to conform to the controlled price or MRP as the case may be.

- 2.18 To ensure sustained supply without any interruption the tender inviting authority reserves the right to split orders for supplying the requirements among more than one tenderer if the lowest eligible bidder fails to supply in scheduled time and L<sub>2</sub> & L<sub>3</sub> firms agree to match the L<sub>1</sub> rate.
- 2.19 The rate quoted and accepted will be binding on the tenderer for a period of **one year** from the date of placement of purchase order and on no account any increase in the price will be entertained till the completion of this tender period.
- 2.20 No tenderer shall be allowed at any time on any ground whatsoever to claim revision of or modification in the rate quoted by him. Clerical error / typographical error, etc. committed by the tenderers in the tender forms shall not be considered after opening of tenders. Conditions such as “ **SUBJECT TO AVAILABILITY**” / “**SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED**” etc., will not be considered under any circumstance and the tenders of those who have given such conditions shall be treated as incomplete and for that reason, shall be rejected.
- 2.21 If any information or documents furnished by the tenderer with the tender papers are found to be misleading or incorrect at any stage the tender of the relevant items in the approved list shall be cancelled and steps will be taken to blacklist the said firm for five (5) years.

**2.22 PACKAGING:**

All the packaging should be primary (New). The supplier shall provide such packaging of the goods as is required to prevent their damage or deterioration during transit to their final destination. The packaging shall be sufficient to withstand without limitation, rough handling during transit and exposure to extreme temperature, salt and precipitation during transit and upon storage.

**2.23 TURNKEY:**

The external power supply will be provided by the purchaser but the internal wiring and electrical fittings inside the room and accessories if any required for installation & commissioning of the equipment/instrument will be provided by the supplier without any extra cost.

## **2.24 COMPREHENSIVE WARRANTY & CMC:**

(Undertaking as per Annexure – XI)

- i. The comprehensive warranty will remain valid as mentioned in the technical specification of each item from the date of installation & commissioning of the equipment/Instrument. The original copy of warranty documents will be submitted to the consignee after installation.
- ii. The warranty will cover **all the parts of the machine or item and any replacement or repair required** within the warranty period will be provided by the supplier with free of cost at the destination point (installation point). The supplier will take back the replaced parts / goods at the time of their replacement. No claim whatsoever shall be on the purchaser for the replaced parts / goods thereafter. No travelling allowances or transportation cost will be paid by the purchaser during the warranty period.
- iii. The Supplier shall warrant that the Goods supplied under this contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials. The Supplier shall further warrant that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the place of final destination.
- iv. **CMC:** The tenderer shall also commit to provide offer for CMC (**Labour + all spare**) for the next three (3) years after Comprehensive warranty (**as applicable**). No extra cost will be paid other than the CMC cost for functioning of the item during this period. The supplier will provide **two (2)** preventive maintenance in every **six months** during the period of CMC.

## **2.25 UPTIME GUARANTEE:**

### **a. UP-TIME BALANCE :**

The Supplier (s) shall provide guarantee 95% uptime during comprehensive warranty period.

Any uptime less than the specified period above will be compensated by the Supplier(s) by extending the warranty period.

**b. DOWNTIME PENALTY CLAUSE:**

During the Guarantee / warranty period, desired uptime of 95% of 365 days will be ensured (24 hour). If downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied.

In no case equipment should remain in non-working condition for more than 7 (seven) days from the date of complaint, beyond which a penalty will be applicable as per Rule.

**2.26 SPARE PARTS:**

- a. The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached / enclosed along with the sealed quotation.
- b. The tenderers are required to furnish the list of spares along with their cost in the financial Bid separately which will not be taken for evaluation.

**2.27 ACCEPTANCE OF TENDER AND SUPPLY CONDITIONS:**

- A. The CDM&PHO, Sundargarh, Odisha reserves the right to reject the tenders or to accept the tenders for the supply of the item tendered without assigning any reason thereof.
- B. The CDM&PHO, Sundargarh, will be at liberty to terminate the contract either wholly or in part without assigning any reasons thereof. The tenderers will not be entitled to any compensation whatsoever for such termination.
- C. The supply should be completed within 60 days from the date of issue of purchase order unless otherwise specified. If no supply is received even after 60 days or 88 days with liquidated damage from the date of issue of the purchase orders from the CDM&PHO, Sundargarh, such orders will stand cancelled automatically without further notice and other suitable action will be taken as deemed fit like forfeiture of the EMD and Security Deposit/ penalties etc..

- d. If the approved supplier fails to execute the supply within the stipulated time, the CDM&PHO, Sundargarh is empowered to purchase the same items from L<sub>2</sub> or L<sub>3</sub> tenderer if they agree to supply with the L<sub>1</sub> rate.
- e. The CDM&PHO, Sundargarh, Orissa or his authorised representative (s) has the right to inspect the factory of those company who have quoted for the tender, before accepting the rate quoted by them or before releasing any purchase order (s) or at any point of time during the validity period of tender and has also the right to reject the tender or terminate / cancel the orders issued based on the facts brought out during such inspections.

#### **2.28 EVALUATION:**

- I. *The rates of the item quoted by the tenderer who qualify technically will be evaluated after taking the following points into consideration: -*
  - a) Rate quoted including all charges like excise duty / customs duty, transportation, insurance, packing & forwarding , comprehensive warranty (as applicable in Years), cost of turnkey (cost of accessories if any for installation /commissioning) and GST.
  - b) The circulars issued by the Finance Department, Govt. of Orissa from time to time regarding tax matters shall be taken into account for evaluation and shall be binding on the bidders.
  - c) The warranty period in years will be also taken in to consideration while evaluating the price.

#### **2.29 LIQUIDATED DAMAGE:**

- a. The CDM&PHO may allow extension for a maximum period of 4 (four) weeks (28 days), after the stipulated date of supply (i.e. 60 days) with a penalty of 0.5% for each week (7 days) up to a maximum 2% on the value of the goods which will be deducted from the purchase order value as "Liquidated Damage",.
- b. If the supplier fails to complete the supply within the extended period, i.e. 88 days after being allowed by the CDM&PHO, no further purchase order will be placed to the firm for the said item and the concerned firm will be blacklisted for two (2) years from the date of issue of letter for the said item.

#### **2.30 TERMS OF PAYMENT:**

- a. No advance payments towards cost of medical instruments/equipments or turnkey job will be made to the tenderer.
- b. Payments shall only be made after receiving the **performance security deposit** from the supplier, handing over the Agreement/ undertaking/ warranty papers of instruments/equipment and turnkey jobs from the bidders to the consignee.
- c. No claims shall be made against the CDM&PHO, Sundargarh, Odisha in respect of interest on earnest money deposit or security deposit or any delayed payment or any other deposit.
- d. The payment of CMC (as applicable) will be made on a six monthly basis, after completion of warranty period and signing of the CMC agreement.

### 2.32 PENALTIES:

- a. If the successful tenderer fails to deposit the required security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons or unable to undertake the contract, his contract will be cancelled and the earnest money deposit & security deposit submitted by him along with his tender shall stand forfeited by the CDM&PHO, Sundargarh by reasons of such breach, such as failure to supply / delayed supply.
- b. Violating the tender terms and conditions & non supply / supply of Not of Standard Quality equipment /instrument will disqualify the firm to participate in the tender for a period of 2 (two) years from the date of issue of letter and his E.M.D & security deposit will be forfeited and no further purchase order will be placed to that firm for that item.
- c. In the event of any dispute arising out of the tender, such disputes would be subject to the jurisdiction of the Civil Court Dist. Sundargarh or High Court of Orissa.

**SECTION-III**  
**SCHEDULE OF REQUIREMENTS**

SL NO.	Name of the Item	Specification	Place of Supply	Delivery Time
1	DGSET (250 KVA)			
2	DGSET (40 KVA)	As per theTender Specification in annexure:IV	District Head Quarter Hospital, Sundargarh	Supply Within 60 days from issue of Purchase Order
3	DGSET (125 KVA)			

## SECTION –IV

### TECHNICAL SPECIFICATIONS OF DG SET.

### TECHNICAL SPECIFICATION FOR DIESEL GENERATOR SET

#### **TECHNICAL SPECIFICATIONS – SILENT DG SET( 250 KVA)**

**250 KVA, AMF Control Panel, 3 Phase, 415 V**

#### **A. DIESEL ENGINE:**

Electronic (CRDI) Engine Model 250KVA mPower 63105G, 6 cylinder, inline, 4 stroke cycle, WATER COOLING, developing 310 BHP at 1500 RPM under NTP conditions. The engine shall be provided with electrical starting arrangement & shall give the electrical output of 250KVA/200KW at 0.8 power factor, 415Volts at the alternator terminal.

The turbocharged Diesel engine shall conform to IS:13018/1990(reaffirmed 2005)AND IS: 10,000 series (withlatest Amendments.). Specific fuel consumption (SFC) shall be as per IS specification.

The Engine is fitted with the following standard accessories

01. CRDI fuel System
02. Battery Charging Alternator
03. Engine safety Sensors (LLOP & HWT)
04. Air Cleaner
05. Lube Oil Filter
06. Fuel Filler

#### **B. ALTERNATOR:**

250KVA/200KW alternator, 3 phase, 415V, 0.8 PF, type, screen protected, revolving field, self-excited, self-regulated through an AVR. The alternator shall be of brushless type only with VG-2 Grade of voltage regulation. The alternator has the following features:

- "H" class insulation
- $\pm 1.0\%$  voltage regulation (max.) in static conditions
- **IP: 23 protection.**
- Permissible overload of 10% for one hour in 12 hours of operation.
- 

#### **C. CONTROL PANEL:**

The Control Panel is manufactured with 16/18 gauge CRCA sheet and is powder coated for a weather-proof and long lasting finish..

The control panel shall be totally enclosed, dust and vermin proof, floor mounted type with degree of protection IP-53 as per IS/IEC:60947(part-1)/2007

The AMF control panel shall consists of following instruments of which any of the items can be supplied in a combined relay/meter also.

(a) Microprocessor based AMF relay.

(b) AC voltmeter(s) of class 1.5 accuracy ,0-500 volts with selector switch.

Separate voltmeter shall be provided for Mains and Alternator.

(c) AC Ammeter(s) of class 1.5 accuracy and of suitable range, with selector switch.

(d) Mode selector switch for setting the panel on any one position such as off or auto or manual or test.

(e) Engine ON-OFF switch (push button type).

(f) HRC fuses of suitable ratings.

(g) Rectangular aluminium bus bars(1 No. for each phase, neutral and earthing terminal) of adequate rating duly colour coded with head shrinkable PVC sleeves.

- (h) Two nos. power contactor (one for Mains and one for generator) up to 360 KVA & EDO breaker for DG sets above 360 KVA, ACB will be complete with O/L, U/V release, short circuit protection.
- (i) Under voltage relay for mains.
- (j) Three-attempt engine start /engine cranking relay.
- (k) On delay timer for load change over.
- (l) On delay timer for engine shut off.
- (m) Pilot lamps three nos. in case of three phase DG sets.
- (n) Battery charger complete with voltage regulator float or booster selector switch, ON-OFF switch, Voltmeter and Ammeter for charging the battery from Mains. This will be in addition to the battery charging alternator fitted on the engine.
- (o) Instruments and control fuses 06(Six) nos. power fuses of suitable rating.
- (p) Five nos. indicating lamps to indicate Mains Low Voltage, Load on Mains, DG Set running, Load on set and Battery charger ON.
- (q) Audio Visual alarm for Low Lubricating Oil Pressure, High water temperature, Start Failure and DG O/L.
- (r) Over current relay protection.

**D. ESSENTIAL ACCESSORIES:**

Fuel tank: Sub Base Fuel tank (DRAW IN TYPE) of MS sheet of adequate capacity.

Base Rail: Base Rail of adequate size is provided.

Batteries: For electrical control circuit 2 no., 12 Volts, 150AH battery for electrical starting of DG set.

**SMPS Battery Charger**

Supplier shall also provide following documents during supply of DG set at the time of Registration and inspection.

- (1) Valid Calibration certificates of all the testing meters from any Govt. /NABL accredited Lab.
- (2) Complete & satisfactory Type test certificate (TTC) for turbocharged engines, alternators complete with enclosure to be used by them for EACH rating of DGsets clearly identifying make, model and ratings of the DG sets tested to be submitted to the concerned DQA at the time of Registration and pre despatch inspection. The TTC of three phase alternators shall cover unbalanced load test as per cl.24 of IS: 13364(part-2)/1992(reaff 2008) as applicable.

**Warranty: Warranty: 2 year onsite Comprehensive Warranty**

**TECHNICAL SPECIFICATIONS – SILENT DG SET (40 KVA)**

**TECHNICAL SPECIFICATIONS – SILENT DG SET (40 KVA)**

**Rated Capacity: 40 KVA, AMF Control Panel, NO of Phases: 3 Phases, 415 V**

**DIESEL ENGINE:40 KVA**

Engine Model 4575TCIGM-C2, 4 cylinder, inline, 4 stroke cycle, WATER, developing 57.00 BHP at 1500.00 RPM under NTP conditions of BS:5514. The engine shall be provided with electrical starting arrangement & shall give the electrical output of 40KVA/32.000KW at 0.8 power factor, 415Volts at the alternator terminal.

The Engine is fitted with the following standard accessories,

01. A1 class Governor
02. Battery Charging Alternator
03. Engine safety Sensors (LLOP & HWT)
04. Air Cleaner
05. Lube Oil Filter
06. Fuel Filler

### **ALTERNATOR:**

**40KVA/32.000KW alternator, 3 phase, 415V, 0.8 PF, type, screen protected, revolving field, self-excited, self-regulated through an AVR. The alternator has the following features:**

“H” class insulation

± 1.0% voltage regulation (max.) in static conditions

IP: 23 protection with insulation class H

Permissible overload of 10% for one hour in 12 hours of operation.

### **CONTROL PANEL:**

The Control Panel is manufactured with 16/18 gauge CRCA sheet and is powder coated for a weather-proof and long lasting finish. The Control Panel consists of Microprocessor based DES 9 electronic controller, MCCB of suitable rating, Key Switch, Push Button (starter), LED: Battery Charging alternator fail indication, Current Transformer, Instrument fuses.

The DES 9 microprocessor electronic controller displays the following parameters:  
Voltage, Frequency, Current, Rpm, Cumulative Run Hours, Oil Pressure, Coolant Temperature & Charging Current ( DC Amp Meter).

The DES 9 microprocessor electronic controller provides the following safety to the engine:

Under & Over Voltage, Under & over Frequency, Under & Over Speed, Overload, Low Lube Oil Pressure, High Coolant Temperature & Emergency

### **ESSENTIAL ACCESSORIES:**

Fuel tank: Sub Base Fuel tank (DRAW IN TYPE) of MS sheet of adequate capacity.  
Base Rail: Base Rail of adequate size is provided.

Batteries: For electrical control circuit 1 no., 12 Volts, 88AH make battery for electrical starting of DG set.

**Warranty: 2 year onsite comprehensive warranty**

## **TECHNICAL SPECIFICATIONS – SILENT DG SET (125 KVA)**

**TECHNICAL SPECIFICATIONS – SILENT DG SET (125 KVA)**

**Rated Capacity: 125 KVA, AMF Control Panel, NO of Phases: 3 Phases, 415 V**

### **DIESEL ENGINE:**

Engine Model, mPower 61565 G 6 cylinder, inline, 4 stroke cycle, WATER COOLED, developing 156.00 BHP at 1500.00 RPM under NTP conditions of BS:5514. The engine shall be provided with electrical starting arrangement & shall give the electrical output of 125KVA/100.000KW at 0.8 power factor, 415Volts at the alternator terminal. The Engine is fitted with the following standard accessories

01. A1 class Governor
02. Battery Charging Alternator
03. Engine safety Sensors (LLOP & HWT)
04. Air Cleaner
05. Lube Oil Filter
06. Fuel Filler

**ALTERNATOR:**

125KVA/100.000KW alternator, 3 phase, 415V, 0.8 PF, type, screen protected, revolving field, self-excited, self-regulated through an AVR. The alternator has the following features:

“H” class insulation

± 1.0% voltage regulation (max.) in static conditions

IP: 23 protection with insulation class H

Permissible overload of 10% for one hour in 12 hours of operation.

**CONTROL PANEL:**

The Control Panel is manufactured with 16/18 gauge CRCA sheet and is powder coated for a weather-proof and long lasting finish. The Control Panel consists of Microprocessor based DES 9 electronic controller, MCCB of suitable rating, Key Switch, Push Button (starter), LED: Battery Charging alternator fail indication, Current Transformer, Instrument fuses.

The DES 9 microprocessor electronic controller displays the following parameters: Voltage, Frequency, Current, Rpm, Cumulative Run Hours, Oil Pressure, Coolant Temperature & Charging Current ( DC Amp Meter).

The DES 9 microprocessor electronic controller provides the following safety to the engine: Under & Over Voltage, Under & over Frequency, Under & Over Speed, Overload, Low Lube Oil Pressure, High Coolant Temperature & Emergency Off.

**D.ESSENTIAL ACCESSORIES:**

Fuel tank: Sub Base Fuel tank (DRAW IN TYPE) of MS sheet of adequate capacity.

Base Rail: Base Rail of adequate size is provided.

Batteries: For electrical control circuit 1 no., 12 Volts, 88AH make battery for electrical starting of DG set.

**Warranty: 2 year onsite comprehensive warranty**

# SECTION –V (ANNEXURES)

## (Technical Bid, Price Bid, Agreement, Undertaking for CMC)

ANNEXURE –I (Refer Clause No. 2.9.a)

### CHECK LIST

(To be submitted in Cover A Technical Bid)

**Note : The documents has to be arranged serially as per the order mentioned in the check list**

Please put ✓ in the respective box

#### COVER – A (TECHNICAL BID)

DOCUMENTS: SUBMITTED OR NOT

1. List of Item (s) – Annexure II	Page No.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
2. Tender document Fee(Rs.1000/-)	Page No.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
3. Earnest Money Deposit (Rs 87500/-)	Page No.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
4. Details of Manufacturing Unit / contract person Liaisoning agent / servicing centre (Annexure III)	Page No.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
5. Declaration form (Annexure -IV) signed by the Tenderer & affidavit before Notary Public / Executive Magistrate	Page No.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
6. Authorization from Manufacturer (Annexure – V)	Page No.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
7. Proof of avg. Annual turnover of Rs. 3 Crore or more for preceding 3 financial years (Annexure - VI ) (Enclose Audit report)	Page No.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No.	<input type="checkbox"/>
8. Proof of avg. Annual turnover of Rs. 1 crore or more for preceding 3 financial years for authorize Distributors only (Annexure - VI) (Enclose Audit report)	Page No.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
9. Performance Statement (Item wise) during the last two year (Annexure -VII )	Page No.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>

10. Copies of Purchase order (Item wise) in support of the performance statement

Page		Yes		No	
No.					

11. Proof of supply of 10 nos. or more to any Govt. Institutions Only (applicable for Distributor only). Attach order copies.

Page		Yes		No	
No.					

12. Deviation/No deviation Statement (Item wise) & details of technical specification (Annexure -VIII A & B )

Page		Yes		No	
No.					

13. Leaflets/Technical Brochures of the Products offered (Item wise)

Page		Yes		No	
No.					

14. Copy of Manufacturing License / import license

Page		Yes		No	
No.					

15. Copy of Valid ISO Certificate .

Page		Yes		No	
No.					

16. Photocopy of valid ARAI certificate

Page		Yes		No	
No.					

17. Photocopy of PAN

Page		Yes		No	
No.					

18. Photocopy of GST Regd. certificate of manufacturer.

Page		Yes		No	
No.					

19. Photocopy of GST Regd. certificate Of Distributor

Page		Yes		No	
No.					

21. Copy of original Tender docs (all pages and schedules, duly signed by the Tenderer)

Page		Yes		No	
No.					

22. Other relevant documents/test reports etc as per the technical specification in Section IV

Page		Yes		No	
No.					



**ANNEXURE – III**

(Refer Clause No. 2.9.e)

(To be submitted in *Cover A -Technical Bid*)

**DETAILS OF THE TENDERER & LOCAL CONTACT PERSON**

	<b>Corporate Office (The address in which the purchase orders and payment details will be communicated)</b>	<b>Local Contact Person / Branch Office / Zonal Office / Service Centre if any, in Orissa.</b>
Name & Full Address		
Telephone Nos., landline		
Mobile		
Fax		
E – Mail		
Manufacturing License Nos. & Date	Copy of manufacturing licence of Manufacturer)	
License valid up to		

**Signature of the Tenderer :  
with seal**

**Date :**

ANNEXURE – IV

(Refer Clause No. 2.9.f)

(To be submitted in *Cover A -Technical Bid*)

**DECLARATION FORM**

I / We .....having My  
/ our .....office  
at.....do declare that I / We have  
carefully read all the terms & conditions of tender of the \_\_\_\_\_, Orissa for the  
supply of DG Sets. The approved rate will remain valid for a period of one year from the date  
of approval. I will abide with **all the terms & conditions** set forth in the **Tender Reference no.**  
\_\_\_\_\_

I/We do hereby declare I/We have not been de-recognised / black listed by any State  
Govt. / Union Territory / Govt. of India / Govt. Organization / Govt. Health Institutions for  
supply of Not of Standard Quality (NSQ) items / non-supply.

I/We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit  
and or Security Deposit and blacklist me/us for a period of 5 years if, any information furnished  
by us proved to be false at the time of inspection / verification and not complying with the  
Tender terms & conditions.

I / We ..... do  
hereby declare that I / we will supply the quoted items as per the terms, conditions &  
specifications of the tender document.

Signature of the bidder :

Seal

Date :

Name & Address of the Firm:

Affidavit before Executive Magistrate / Notary Public

ANNEXURE – V

(Refer Clause No. 2.9.g)

(To be submitted in *Cover A -Technical Bid*)

**MANUFACTURER'S AUTHORISATION FORMAT**

To

The CDM&PHO, Sundargarh  
Deptt. of Health & Family Welfare  
Govt. of Orissa.

Ref: Tender No. \_\_\_\_\_ Dated \_\_\_\_\_

Dear Sir,

We, \_\_\_\_\_ are the manufacturers of \_\_\_\_\_  
\_\_\_\_\_ (name of equipment(s) having factories at \_\_\_\_\_  
\_\_\_\_\_.

1. Messrs \_\_\_\_\_ (name and address of the agent) is our authorized agent for sale and service of \_\_\_\_\_ (name of equipment(s))
2. We confirm that Messrs. \_\_\_\_\_ (name of the above agent) is authorized to submit a tender, and enter into a contract with for the above goods manufactured by us.
3. We also extend our full guarantee / warranty and also full back-up support for AMC/CMC as required by the purchaser.

Yours faithfully,

\_\_\_\_\_  
\_\_\_\_\_

(Signature with date, name and designation)

(Name & address of the manufacturers)

Seal

Note :

1. This letter should be on the *letterhead* of the *manufacturer* and should be signed by a person having the power of attorney to legally bind the manufacturer.
2. Original letter shall be attached to the technical bid.

**ANNEXURE – VI** (Refer Clause No. 2.9.h & i)  
(To be submitted in **Cover A -Technical Bid**)

*(To be furnished in the letter head of the Auditor)*

**ANNUAL TURN OVER STATEMENT**

The Annual Turnover of M/s \_\_\_\_\_  
\_\_\_\_\_ (Manufacturer/Distributor) for the last 3 years are given  
below and certified that the statement is true and correct.

Sl.No.	Year	Turnover in Crores (Rs.)
1.	2015-16	
2.	2016-17	
3.	2017-18	

*Average Annual Turnover* (for the above three years) (in Rs.) \_\_\_\_\_

Date:  
Place:

Signature of Auditor/  
Chartered Accountant  
(Name in Capital)

Seal

Membership No.-

Registration No. of Firm

**Note:**

- To be issued in the letter head of the Auditor.*
- Separate certificates should be furnished for different manufacturer in case the bidder is quoting products of different manufacturers.*

(To be submitted in *Cover A - Technical Bid*)  
**Annexure VII** (Refer Clause no. 2.9.j)  
**PROFORMA FOR PERFORMANCE STATEMENT**  
 (For the period of last two years)

Tender Reference No. :

Name of Tenderer :

Name of Manufacturer : \_\_\_\_\_ Name of the Item

(s) : \_\_\_\_\_

Sl.	Order placed by (Name of Purchaser) (attach documentary proof)*	Telephone No. with address of the purchaser	Item Name	Qty	Value of Contract (Rs.)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

**Signature and seal of the Tenderer**

\* The documentary proof will be **copies of the purchase order** (during the last 2 years).

(To be submitted in *Cover A -Technical Bid*)  
**Annexure VIII A** (Refer Clause No. 2.9.1)

**STATEMENT REGARDING DEVIATIONS FROM TECHNICAL SPECIFICATIONS (IF ANY)**

Following are the Technical deviations and variations from the purchaser's Technical Specifications.

Sl. No.	Item Name	Clause of Technical Specification	Statement of Deviations / Variations if any
1			
2			
..			
..			
..			

In case there is no deviation from technical specification, Pl. Mention *No Deviation*.

Signature of the Bidder

Name :

Date :

Place :

Seal

(To be submitted in *Cover A -Technical Bid*)  
**Annexure VIII B (Refer Clause No.2.9.f)**

**DETAILS OF TECHNICAL SPECIFICATION OF THE PRODUCT OFFERED BY THE BIDDER**

Sl. No.	Item Name	Make	Model	Detail Specification of the product offered* (Pl. Describe the detail specification of the product offered)
1				
2				
..				
..				
..				

\* Leaflets/Technical Brochures of the product offered must be attached in support of the information provided above.

Signature of the Bidder

Name :

Date :

Place :

Seal

**To be submitted in Cover B – Price Bid**

**ANNEXURE-IX**  
(Refer Clause No. 2.11)

**MODEL TENDER FORMAT (PRICE SCHEDULE)**

Name of the Item (s) (Items mentioned in the schedule of requirement)	Make & Model	Unit Price which includes excise duty / customs duty, packing, insurance, forwarding / transportation (door delivery) with onsite comprehensive warranty & excludes GST & turnkey	(all accessories for installation & commissioning including all taxes for turnkey in Rs. (Door delivery & installation)	GST (Mention the % of tax & its value in Rs.)	- CMC, if applicable (excluding Service Tax) for three years after expiry of comprehensive warranty period (please mention on yearly basis)	Warranty in years
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
					1 <sup>st</sup> year: 2 <sup>nd</sup> year: 3 <sup>rd</sup> year: Total	

Date :  
Place :

Signature of the Bidder:

Name

Seal

1. Rates should be quoted both in figures & words for each item and if there is any discrepancy, the quoted rates in words will be taken for evaluation.

**ANNEXURES**  
**(Agreement, Warranty and CMC Undertaking)**

**ANNEXURE – X**  
**AGREEMENT (on stamp paper of Rs. 100/-)**

THIS AGREEMENT IS MADE AT \_\_\_\_\_ THIS THE DAY OF \_\_\_\_\_ 201\_\_

BETWEEN

Name of the Supplier  
with full address

Hereinafter called the "approved Supplier" \_\_\_\_\_ as 1<sup>st</sup> Party

AND

The CDM& PHO  
Health & F.W. Department  
Sundargarh, the **CONSIGNEE**. Hereinafter called the "PURCHASER" \_\_\_\_\_ as 2<sup>nd</sup> Party.

Relying on the documents and representation of facts connected to the issue of aforesaid parties to undertake the responsibilities of sell and purchase of following equipment(s) etc. with the terms & conditions mentioned in the tender documents.

And whereas the 2<sup>nd</sup> party "Purchaser" is willing to purchase

**Name of the Item:**

Specifications: As per specifications laid down in the Tender terms & conditions, subjected to decision of the committee.

The Supplier(s) has agreed to sell the equipment/Instruments etc. completed in all respects according to the Tender requirements and their / his offer dtd. \_\_\_\_\_ and the Supplier(s) has also agreed to install to make them operative at the destination mentioned in the Tender document with the following descriptions and their cost mentioned against each.

<u>Description of goods:</u>	<u>Offered Price</u>
------------------------------	----------------------

The price / cost of the item also include the followings in addition to above.

1. Insurance
2. Freight /Transportation
3. Customs duty / Excise duty
4. Charges for documents, instructions manual, tools
5. F.O.R. at the destinations mentioned in the consignee list

6. Training to doctors & technicians.
7. Maintenance of the system includes all accessories supplied and their spare parts required during comprehensive warranty period of two year at free of cost from the date of successful installation and satisfactory functioning of the system at the site.
8. Installation and commissioning of the system by the Supplier's engineer at site.
9. Any other charges including loading & unloading, packing & forwarding etc. will be paid by the Supplier(s) till the completion of the installation and turnkey job if any.

CMC cost for next 3 (three) years after the warranty period shall be paid after completion of the warranty period (on a six monthly basis).

The Terms & Conditions of the tender document appended to this agreement will be deemed to be taken as integral part of this agreement and binding on the parties executing this agreement.

**Following documents /letters/correspondence undertaken between the parties shall also form part of this agreement.**

District authority	Approved supplier
a. Tender Document & any amendment there it if any.	a. Proposal submitted in response to Tender Document advertisement.
b. Office Orders Subsequent to Tender document Advertisement.	b. Terms & Condition mentioned in the tender documents

**TERMS OF CONTRACT :**

The CDM&PHO, Sundargarh will be at liberty to terminate the contract either wholly or in part without assigning any reason. The tenderers will not entitled to any compensation whatsoever in such terminations.

**CHANGE OF TERMS AND CONDITIONS :**

Any amendment to the terms & conditions and clauses of the agreement if required must be done in writing duly signed by the two parties.

In witness whereof the parties hereto have set hands on the .....day of .....2018.

Signature of the approved Supplier

Signature of the CDM&PHO, SNG

Date

Date

1. Witness
2. Witness

1. Witness
2. Witness

**ANNEXURE – XI**

**WARRANTY / GUARANTEE /CMC UNDERTAKING  
(To be submitted on Rs.50/- stamp paper)**

Tender ref. No. \_\_\_\_\_

Name of the equipment/Instrument:

Date of Installation:

Name of the Supplier:

Name of the purchaser:

I / we / M/s \_\_\_\_\_

hereby declare that

- i. I / we do Accept / Agree for the warranty / guarantee ( ..... years Warranty(as per technical specifications/offered) followed by 3 years CMC (Spares + Labour) as per this tender clause No. 2.24.i to iv
- ii. I / we will not charge / quote any extra price on account of the above said warranty / guarantee.
- iii. I / we do accept / agree to provide uptime guarantee 95% as per this tender clause No. 2.26. (a & b)
- iv. The .....year comprehensive warranty is valid from dt. \_\_\_\_\_ to dt. \_\_\_\_\_.
- v. The 3 year CMC is valid from dt. \_\_\_\_\_ to dt. \_\_\_\_\_.(If applicable)

Date:

Place:

Signature of the competent authority

on behalf of the company / firm.

Seal of the firm.

**N.B: 1**

2. Only to be submitted by the approved supplier / tenderer to the consignee before release of payment.