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No. F-8() RMSC/EPM/M-1/NIB-659/2021-22/ 1799

Dated: 29/3/2022

CLARIFICATION/CORRIGENDUM/ADDENDUM

Subject: Amendment in technical specification of bid document of item DG Set (5 KVA), under No. F-8() RMSC/EPM/M-1/NIB-659/2021-22/1592 date: 12.01.2022

In reference to subject cited above NIB-659, various representation received from the firms and issues raised by the bidder are examined by the competent authorities and technical committee. The following clarification/corrigendum/addendum is issued for inclusion in bid document of items as below:-

Revised Technical Specification of 5 KVA Diesel Generator Set:-

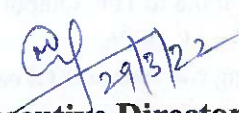
- 1) Supply, Installation, Testing & Commissioning of MOVABLE ON WHEEL Silent DG Set complete with **1500/3000 RPM Diesel Engine** of suitable BHP for 5KVA & AC Brushless Single Phase Alternator mounted on a common base Frame & coupled through coupling. Alternator shall be self regulated with standard Alternator Protection (Over voltage, over speed & under voltage, under speed warning & shutdown). Engine shall have residential silencer, exhaust piping, electronic/ Mechanical governor, Manual & electric Start, Batteries, Engine instruments panel, AVM and with Weatherproof, powder coated Acoustic enclosure for DG set for sound attenuation fabricated from 1.2 to 1.6mm CRCA sheet steel (structure) with side wall fabricated from 1.2 to 1.6 mm CRCA sheet & filled with Suitable thick glass wool (96Kg/m3)/ Foam. as per IS 8183, Suitable Thick doors and fabricated from 1.2mm - 1.6mm CRCA sheet packed with acoustic material, All doors/ opening are sealed with neoprene/EPDM gaskets. The enclosure has built in fuel tank, residential silencer with protection and tripping of DG set.
- 2) Against temperature of more than 45 degree centigrade. All controls for operation of DG set are visible and accessible from outside the enclosure with automatic main failure(AMF) panel fabricated from CRCA sheet 1.2mm sheet CRCA sheet steel 1.2mm thick powder coated finish engine start stop command control relays, selector switches, multifunctional meter for ammeter & voltmeter, Control & power contractor, timers, electronic hotter, audio & visual alarm indication for faults, panel complete in all respect suitable for 5KVA , DG set also having microprocessor base genset monitoring and control systems including DP MCB of 30-40amp, 10ka capacity, 1 No., Frequency meter include power factor meter, frequency meter, indicating lamps, Enclosure should be suitable for 5KVA DG Set & Alternator, Noise level shall be less then 75dba at a distance of 1 meter dully certified by authorized agency completed in all respects according to capacity of 5 KVA.
- 3) Naturally Air Cooled & Natural Aspirated/ Turbo Charged.
- 4) 5 KVA at 0.8 to 1PF, Output Voltage 230V±2.5% 50Hz 1-ø.
- 5) Relay Based: 5kVA.
- 6) Providing two numbers GI earth spike (rod) 20mm dia & 1000mm long. Provision for 6sqmm single core flexible cooper conductor PVC insulated wire for body & natural earthing.
- 7) a. Providing PVC insulated flexible cooper conductor cable un-armoured 3x 10sqmm of ISI approved of make(upto 25meter).
b. Providing 6sqmm single core flexible copper conductor of ISI approved of standard make upto 25 meter including crimping lux both side of the wire. (Qty. 2Nos for body& neutral earthing).
- 8) suitable for maximum load of 4kw.
- 9) Inbuilt Static Battery Charger Volts / Current (DC) 12V / 10 Amps

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- 10) Inbuilt Battery Voltage (DC) & Capacity (AH), 12 Voltage (DC)/ 35AH, Make- Amron or Exide including separate 24 month free Service/ Replacement Warranty.
- 11) Fuel Consumption: Test certificate of quoted model from OEM at different load conditions must be provided at the time of technical bid. Fuel Tank Capacity: Minimum 15 L
- 12) Voltage regulation : $230 \pm 2.5\%$
- 13) All required wiring for panel/DG set should be in cooper flexible PVC insulated wire of standard makes.
- 14) Installation/ Testing/ Connecting on load work done by firms as required at site.
- 15) Bidder should Quote rates including installation work in all respect
- 16) The firm should submit valid type of approved certificate with authorization from CPC/PCB following are the mandatory required certification :-
 - A. Type of approval/COP data for emission compliance of diesel generator from ARAI/ICAT/VRDE.
 - B. Type of approval/COP data for noise compliance of diesel generator from FCRI/ARAI/NAL/ICAT.
- 17) Diesel Engine must have IS10001:1981 with updating till date.
- 18) Complete work shall be carried out by the bidder.
- 19) Warranty shall be given by OEM of the product and allied installation work for the period of 3years from the date of installation.
- 20) Comprehensive Maintenance Service: CMC will be given @ 5% of net rate excluding GST (as applicable) and yearly escalation of 5% on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after warranty period of three years.
- 21) During warranty and onsite maintenance period consumables like all kind of filters, Engine oil, coolant , fan belt, washers and hose pipes will be provided by the department as and when required and two services/year will be will be provided by the manufacturer free of cost.
- 22) Demonstration of the quoted item is must for final approval by the nominated technical committee at Jaipur. Fuel required for testing purpose is to bear by bidder.
- 23) Other terms and condition to be covered during warranty period by the supplier:-
 1. Response time- < 24 Hours after logged the complain in complaint portal.
 2. Service hours- As per health facility schedule.
 - 3 Preventive Maintenance Schedule (PM)-As per OEM (Mention PM Schedule)
 - 4 Calibration Schedule – As per OEM (Mention PM Schedule)
 - 5 Technical & Application Support, Demonstrations & Trainings - As & when required
 - 6 Toll Free No-
 - 7 Life of the equipment- As per OEM
- 24) Authorization from OEM of Diesel Engine of DG Set shall be submitted along with technical bid.

Note:- Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of (Section-VIII) and the bid document. This corrigendum/ addendum should be signed and annexed with bid document. All other terms & conditions remains the same.


Executive Director (EPM)
RMSCL, Jaipur