

**CLARIFICATION/CORRIGENDUM/ADDENDUM****Subject:-Amendment under NIB No. F-8() RMSC/EPM/M-4/14-15/NIB-64/7249****Dated: 23.12.2014 for the procurement Diesel Generator Set With Automatic Panel And Installation.**

In reference to subject cited above, the pre-bid meeting of NIB No. 64 was held on dated 16.1.2015. The representation received from the Firms and issues raised by the bidders are examined. The following Corrigendum/Addendum is issued for inclusion in bid document & Technical Specification of items as below:-

(1) The Technical Specification of items (Section-V, Schedule of Supply, Point no. 3) are here by amended as below:-

REVISED SPECIFICATIONS OF 25 KVA SILENT DIESEL GENERATOR SET

- A. Supply, Installation, Testing & Commissioning of Silent DG Set complete with 1500 RPM Diesel Engine of suitable BHP & AC Brush less SPDP Alternator mounted on a common base Frame & coupled through a flexible coupling or close coupled. Alternator shall be self regulated with standard Alternator Protection (Over voltage, over speed & under voltage, under speed warning & shutdown). Engine shall have residential silencer, up to 3 M 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 **1.6 to 2.0 mm CRCA** sheet steel (structure) with side wall fabricated from **1.6 to 2.0 mm CRCA** sheet & filled with 100mm thick glass wool(96Kg/m3)/Foam as per IS 8183 the doors of 100 mm thick and fabricated from 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
- B. Against temperature of more than 50 degree centigrade. All controls for operation of DG set are visible and accessible from outside the enclosure with DG control panel having Microprocessor based Genset monitoring & control system, MCCB, Ammeter, Voltmeter, PF meter, frequency meter, KWH meter, Ind.lamps etc. mounted inside enclosure. The enclosure should be suitable for following capacity DG sets and alternator. Noise level shall be less than 75 dBA at a distance of 1 mtr. duly certified by authorized agency etc. complete in all respect of following capacity.
- C. **Radiator Cooled /turbo charged / Air Cooled & Naturally Aspirated**
- D. 25 KVA at 0.8 pf 415V 50Hz 3-6
- E. SITC of Auto main failure (AMF) Panel fabricated from CRCA sheet steel 2 mm Thick , Powder coated finish , Engine Start & Stop commands, control Relays , selector switches based or composite multifunctional Ammeter & Voltmeter, Control & Power Contactors, Timers, Electronic Hooter ,Visual & Alarm indication for faults, UPS, operator interface panel complete in all respect suitable for following capacity DG sets:
- F. **PLC /Relay Based: 25 KVA**
- G. S/F of DG Set Exhaust Piping insulation on 80 mm to 150 mm Dia. MS Exhaust Pipe insulation as per CPCB norms.
- H. Rock /Glass wool with 22 g Aluminum cladding (Density- 96 kg/m3, Thickness-50 mm)
- I. Construction of Platform of Size 3600 x 1800 x 600 mm including earth work ,150 mm thick concreting under masonry wall and C.C. floor , 30 mm thick masonry wall as required as per site condition and 75 mm thick C.C. floor, outer face of wall should be finished with 20 mm thick cement plaster complete with all respect
- J. Plate Earthing as per IS:3043 with copper Earth plate of size 600mm x 600mm x 3.0mm by embodying 3 to 4 mtr. below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all accessories like

nut, bolts, reducer, nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required. **2 Nos.**

K. Maintenance free Gel Earthing with Pipe in pipe / Pipe in strip technology filled with anti corrosive conductive compound (CPRI Tested) below the ground in 150 - 200 mm dia. earth pit & surrounding filled with required mineral filling compound (MFC should have hygroscopic property to retain the moisture for long time to create low resistance zone) and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete testing of earth resistance as required. of following sizes. **2 Nos.**

L. **With Strip in Pipe Technology with 80 - 100 micron GI Coating**

M. GI pipe 2000 mm long, 63 / 80mm, Inner strip 50 mm x 3 mm copper

N. S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required.. 20mm x 3mm copper strip. 40 mts.

O. P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminum conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make . The cables laid on surface by means of screws, rag bolts, MSU clamps, as per approved spacing. **Min. 25.0 Sq.mm 4 core (armoured). 40 mts**

P&F on load change over switch, front handle operated, four pole 415 V conforming to IS:13947 P-III including connections, testing etc. as required in the following rating: With sheet steel enclosure: 100 A

Min. 25.0 Sq.mm 4 core (armoured). 40 mts cable

(If requires more than 40 mts. of length bidder should quote cable rate per metere)

All wiring should be in copper except specified.

1. Connection with the existing electrical panel shall be done by the Firm.
2. For which test certificate shall be produced from govt. approved agency.
3. Bidder should Quote rates including installation work in all respect
4. The DG should comply with CPCB/RPCB emission norms.
5. Onsite maintenance of the whole work/product shall be 5 years from Completion of guarantee (CMC).
6. Complete work shall be carried out by the manufacturer.
7. Guarantee shall be given by principal manufacturer/authorized dealer/executing agency of the product and allied installation work for the period of 2 years from the date of installation. Bidder should mention guarantee/Service provider.
8. **Comprehensive Maintenance Service:** CMC will be given @ 3 % (of net rate- inclusive of Excise Duty & exclusive of VAT/CST etc.) plus service tax (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 Guarantee period of two years.
9. During Guarantee and onsite maintenance period consumables like all kind of filters, Engine oil, coolant, fan belt, washers, diesel, distilled water for batteries and hose pipes will be provided by the department as and when required also quarterly inspection and two services/year will be will be provided by the manufacturer free of cost..
10. Pre-Dispatch and Post Installation Inspection will be done by nominated Committee.

SPECIFICATIONS OF 50 KVA SILENT DIESEL GENERATOR SET

A. Supply, Installation, Testing & Commissioning of Silent DG Set complete with 1500 RPM Diesel Engine of suitable BHP & AC Brush less SPDP Alternator mounted on a common base Frame & coupled through a flexible coupling or close coupled. Alternator shall be self regulated with standard Alternator Protection (Over voltage, over speed & under voltage, under speed warning & shutdown). Engine shall have residential silencer, up to 3 M 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 **1.6 to 2.0 mm CRCA sheet** steel (structure) with side wall fabricated from **1.6 to 2.0 mm CRCA sheet** & filled with 100mm thick glass wool (96Kg/m3)/ Foam. as per IS 8183 the doors of 100 mm thick and fabricated from 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

- B. Against temperature of more than 50 degree centigrade. All controls for operation of DG set are visible and accessible from outside the enclosure with DG control panel having Microprocessor based Genset monitoring & control system, MCCB, Ammeter, Voltmeter, PF meter, frequency meter, KWH meter, Ind.lamps etc. mounted inside enclosure. The enclosure should be suitable for following capacity DG sets and alternator. Noise level shall be less than 75 dBA at a distance of 1 Mtrs. duly certified by authorized agency etc. complete in all respect of following capacity.
- C. **A-Air Cooled & Naturally Aspirated/Radiator cooled/Turbo charged-**
- D. 50 KVA at 0.8 pf 415V 50Hz 3-ø
- E. SITC of Auto main failure (AMF) Panel fabricated from CRCA sheet steel 1.6 to 2 mm Thick , Powder coated finish , Engine Start & Stop commands, control Relays , selector switches based on composite multifunction meter for Ammeter & Voltmeter, Control & Power Contactors, Timers, Electronic Hooter , Visual & Alarm indication for faults, UPS, operator interface panel complete in all respect suitable for following capacity DG sets:
- F. **PLC /Relay Based: 50 KVA**
- G. S/F of DG Set Exhaust Piping insulation on 80 mm to 150 mm Dia. MS Exhaust Pipe as per CPCB norms.
- H. Rock /Glass wool with 22 g Aluminum cladding (Density- 96 kg/m³, Thickness-50 mm)
- I. Construction of Platform of Size 3600 x 1800 x 600 mm including earth work ,150 mm thick concreting under masonry wall and C.C. floor , 30 mm thick masonry wall as required as per site condition and 75 mm thick C.C. floor, outer face of wall should be finished with 20 mm thick cement plaster complete with all respect
- J. Plate Earthing as per IS:3043 with copper Earth plate of size 600mm x 600mm x 3.0mm by embodying 3 to 4 mtr. below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all accessories like nut, bolts, reducer, nipple ,wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required. **2 Nos.**
- K. Maintenance free Gel Earthing with Pipe in pipe / Pipe in strip technology filled with anti corrosive conductive compound (CPRI Tested) below the ground in 150 - 200 mm dia. earth pit & surrounding filled with required mineral filling compound (MFC should have hygroscopic property to retain the moisture for long time to create low resistance zone) and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete testing of earth resistance as required. of following sizes. **2 Nos.**
- L. **With Strip in Pipe Technology with 80 - 100 micron GI Coating**
- M. GI pipe 2000 mm long ,63 / 80mm, Inner strip 50 mm x 3 mm copper
- N. S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required. 20mm x 3mm copper strip. 40 mts.
- O. P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminum conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make . The cables laid on surface by means of screws,rag bolts,MSU clamps, as per approved spacing. **50.0 Sq.mm 3.5 core (armoured).40 mts**
- P&F on load change over switch, front handle operated, four pole 415 V conforming to IS:13947 P-III including connections , testing etc. as required in the following rating::With sheet steel enclosure: 125 A**

50.0 Sq mm 3.5 Core Armoured Cable

(If requires more than 40 mts. of length bidder should quote cable rate per metre)

All wiring should be in copper except specified.

1. Connection with the existing electrical panel shall be done by the Firm.
2. For which test certificate shall be produced from govt. approved agency.
3. Bidder should Quote rates including installation work in all respect
4. The DG should comply with CPCB/RPCB emission norms.
5. Onsite maintenance of the whole work/product shall be 5 years from Completion of guarantee (CMC)
6. Complete work shall be carried out by the manufacturer.
7. Guarantee shall be given by principal manufacturer/authorized dealer/executing agency of the product and allied installation work for the period of 2 years from the date of installation. Bidder should mention guarantee / Service provider.
8. **Comprehensive Maintenance Service:** CMC will be given @ 3 % (of net rate- inclusive of Excise Duty & exclusive of VAT/CST etc.) plus service tax (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 Guarantee period of two years.
9. During Guarantee and onsite maintenance period consumables like all kind of filters, Engine oil, coolant , fan belt, washers, diesel, distilled water for batteries and hose pipes will be provided by the department as and when required also quarterly inspection and two services/year will be will be provided by the manufacturer free of cost.

Pre-Dispatch and Post Installation Inspection will be done by nominated Committee

(2) Section V, Shedule of Supply, Clause No.2.1.1 should be read as:

Supply order will be placed through registered post/e-mail/any communication medium by the corporation. The date of dispatch of letter or communication date will be treated as the date of order for calculating the period of execution of order. The successful bidder will execute the orders within a delivery period of 75days or as specified in the supply order

(3) Section IV Technical Bid Submission Sheet(CoverA),Point No. 12(V) is deleted from here and added at Saction III.

(4) Section III, Evaluation and Qualification criteria,Point No.2, Clause No.-8 regarding Tax clearance certificates should be read as:-

The VAT/Sales Tax and other taxes clearance certificates or declaration to be submitted by the bidder. Bidders shall have to submit a valid 'VAT' clearance certificate from the concerned Commercial Taxes Officer or affidavit and the 'PAN' issued by Income Tax Department.

(5) Section-II: Bid Data sheet, Clause No. 6.3 should be read as:-

The Performance Security shall be required as per GCC-10(iii) @5% of the value of the indicative quantity in the bid subject to a maximum Rs. 10,00,000.00(Ten Lacs) for each item in favour of M.D., Rajasthan Medical Services Corporation Ltd., Jaipur.

(6) The format of BOQ BF-IV is modified as below:-

FINANCIAL BID FOR QUOTED ITEM

S. N.	Name Item With full Specification	Appr ox Qty	Bra nd.	Packing Unit	Net Rate Per packin g Unit (In Rs.)	Rate of RST (VAT) or Concessiona l CST against C- from, if applicable	Amount of RST (VAT) or Concessi onal CST against C-from, if applicabl e	Rate of Excise duty (It should be included In net Rate) (Col, 6)	Amount of excise duty workout accordin gly Col.No. 9	Total rates (6+8)
1	2	3	4	5	6	7	8	9	10	11
1.	25 KVA silent DG Set with automatic panel and installation	17		One		Do not quote rates here.				
1.1	25.0 Sq.mm 4 core (armoured) Cable			Per Meter						
2.	50 KVA silent DG Set with automatic panel and installation	26		One						
2.1	50.0 Sq.mm 4 core (armoured) Cable			Per Meter						
Rates shall only be filled in BOQ https://eproc.rajasthan.gov.in										

Signature

Date

Name in Capitals
Company /Firm Seal

Note: -

1. The concessional CST against c- form shall be applicable.
2. The rate quote should be inclusive of excise duty but exclusive of sales tax./vat
3. Excise component should be separately shown in column no.10 for further reference
4. Rate should be quoted only for packing units as mentioned in the bid
5. No quantity or cash discounts should be offered.
6. Read all the terms & conditions before filling the BF-IV.
7. Please quote rates in absolute amount only.

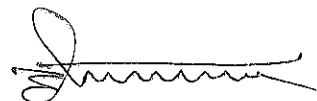
It is also clarified that Information of award of contract shall be communicated to all participating bidders on the website www.rmsc.nic.in and sppp.raj.nic.in. Please note that individual bidder will not be intimated."

It is also further clarified that if any amendment/clarification is carried out in the technical specifications and bid terms & conditions following pre-bid meeting or any other information, the same will also be uploaded on the Corporation website www.rmsc.nic.in, sppp.raj.nic.in and <https://eproc.rajasthan.gov.in> and will not be published in news papers. It will not be intimated to individual bidder. In case any inconvenience is felt, please contact over telephone number i.e. 0141-2225885 and 0141-2223887 or queries may be e-mailed on address "edepmrmsc-rj@nic.in".

Note: Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of the bid document. This corrigendum/ addendum should be signed and annexed with bid document.

All other terms and conditions of bid shall remain the same.

This bears the approval of M.D., RMSCL, Jaipur



Executive Director (EPM)
RMSCL

