



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT / CAPITAL EQUIPMENT

ENQUIRY – Corrigendum 1		Phone: +91 431 257 7653 Fax : Email : skaruna@bheltry.co.in ajay@bheltry.co.in Web : www.bhel.com	
NIT No. 33555	Enquiry Number: 2631700014	Enquiry Date: 10.07.2017	Due date for submission of quotation (Revised): 14.08.2017
You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order			
Item	Description	Quantity	
10	DIESEL GENERATOR SET – 250KVA	01 No.	

Details of Corrigendum		
The following clauses of the technical specification(Part-A & Part-B) has been revised as follows:-		
Sl.no	Clause No	BHEL Specification Particulars (amended and should be read as)
01	1.2 of Part-A	Only those vendors (OEMs) should quote, who have commissioned in the last 05 years (as on the original date of tender opening) at least one number of “ 250 kVA or higher rating Diesel Engine driven Electrical Power Generating set ” in India and the referred DG set is presently working satisfactorily for more than one year from the date of commissioning (as on the original date of tender opening). The name and contact addresses of the customers to whom the DG set were supplied to be furnished with details.
02	1.3 of Part-A	Vendor has to submit at least ONE PERFORMANCE CERTIFICATE for satisfactory performance of 250 kVA or above rating Diesel Generator set as referred under clause 1.2 above, for a minimum period of one year from the date of commissioning (as on the original date of tender opening) from their customers in India, supplied and commissioned in the last 05 years . Performance certificate as Original Certificate or E-mail directly from the customer may be submitted. The original certificate may be returned after verification by BHEL, if required. For obtaining the Performance certificate, a suggestive format is provided at the end of Part A.



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03	1 of Part-B	SCOPE OF SUPPLY: a. Design, Manufacture, Supply, Installation and Commissioning of 1 No. of 250 kVA, DG set developing sufficient BHP at 1500 rpm under NTP condition as per BS 5514 of CUMMINS/KIRLOSKAR/LEYLAND/MAHINDRA/GREAVES or reputed make (subject to BHEL acceptance) with standard accessories including acoustic enclosure including residential silencer (CPCB approved) and suitably coupled to an Alternator of Crompton Greaves/Stamford/Leroy Somer or reputed make (subject to BHEL acceptance) - brushless, self-excited, self-regulated 3 phase 250KVA/200KW at 1500 rpm, 0.8 lagging PF, 415 V, 50 Hz, 3 phase 4 wire. The alternator shall confirm to IS: 4722/BS: 2613 and should be suitable for operating in tropical conditions. The scope includes fuel tank, anti-vibration mounts, common base frame for the DG set, batteries with leads for starting, Control Panel, Standard accessories, First fill of lube oil. b. The DG Set shall be positioned inside the existing room (RCC structure) of size: Length 6.3 metres, Breadth 4 metres, Height 4.5 metres.
04	2 – (iii) of Part-B	Battery: 2 x 12 V maintenance free DC Batteries (or as many numbers as deemed fit for the operation of the design in description in (i) and (ii)), (Exide/Amco/Amaron) in fully charged condition including battery charger. The battery charger should be with DC Voltmeter and Ammeter, Selector switch for Auto/Manual & Float/boost.
05	2- (v) of Part-B	Control Panel: Main Control panel board Consist of: a) Electrically operated Amps ACB with over load/E.F. Protection - 1 No. Make: GE, L&T, Siemens b) AC voltmeter & Ammeter - 1 No. each c) Selector switches - 2 Nos. (1 for voltmeter and 1 for ammeter) d) Frequency meter - 1 No. e) KW Meter- 1 No. f) CT operated energy meter - 1 No. g) Indicating lamps An integrated meter with all these operational parameters is also acceptable. Protection features should include High Water Temperature, Low lube oil pressure, Over speed, low coolant oil level, air filter clog indicator, starting failure, generator overload, battery voltage low etc. MCB/Fuse for control circuit protection is to be provided. Suitable power cable (3.5 core) to be connected from alternator to ACB panel and change over switch along with cable lugs gland and gland plate with a distance of 10 meter length.



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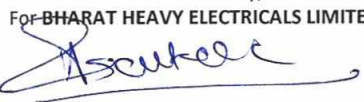
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06	2-(vii) of Part-B	Documentation: Three sets of the following documents in English Language (in hard copy) and one set in soft copy should be supplied along with the machine: a. Operating and Maintenance manual for the Diesel Engine b. Operating and Maintenance manual for the Alternator c. General arrangement plan of DG set d. Piping Schematic Diagram e. Chimney Drawing Complete Master List of parts used in DG set shall be submitted by the vendor
07	2(ix) of Part-B	Erection and Commissioning: BHEL will carry out the civil work for foundation if any. Vendor shall provide details of the foundation/civil work/other relevant details for this purpose immediately after placement of purchase order. Power/Air requirements will be made available at one point near the commissioning location for usage. Ratings of requirement to be clearly specified upon placement of order. Vendor can visit the site for clarification and assess the exact requirements. Supplier shall be responsible for carrying out erection, start up, testing and commissioning of the DG set. Required technical personnel and labor required for the same shall be arranged by the vendor. Tools required for the erection and commissioning shall be arranged by the vendor. Earthing with GI Pipes to a maximum length of 10 metres from the DG set will be the scope of vendor. Erection of the stack and thermal insulation of the exhaust system is also the responsibility of the vendor. All charges for Erection and Commissioning shall be furnished separately as part of the price bid. Scheduling of the Erection is to be intimated well in advance and approved by WRI/BHEL for execution. Pre Dispatch inspection include physical inspection of the and Run test of DG set at vendor's works, verification of original test certification for engine, alternator, acoustic enclosure and all other bought out items. It will also include a Run Test will demand a minimum of 05 minutes at no load, 1 hour testing at 100% load both at PDI and site. After commissioning, the DG set should be run for eight continuous hours and operation of all protective devices to be demonstration to the satisfaction of the BHEL personnel. Damage during transit to any of the component/equipment will not be responsibility of the BHEL.
08	<i>The due date for submission of quotation has been extended to 14.08.2017</i>	
All other terms and conditions and specifications as published in the NIT 33555 remain unaltered.		

Confirmation of acceptance for BHEL commercial terms & conditions and Price Bid formats have been posted in BHEL Corporate web site www.bhel.com or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under above Enquiry reference.

Tenders should reach us before 14:00 hours on the due date
Tenders will be opened at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

Sr. Manager / MM / Capital Equipment

AJAY V. ASALKAR
Sr. MANAGER
MM / Capital Equipment
BHEL, Tiruchirappalli - 620 014.