



## NAYA RAIPUR DEVELOPMENT AUTHORITY

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### Corrigendum -1

Date: 29/08/2016

**Name of the Work:** “Design, Supply, Installation, Testing, Commissioning and Maintenance of DG Sets for Office Complex, Commercial Complex and Retail Complex at Sector 24 and Sector 21 of Naya Raipur”

With reference to NIT No. : 89/ DG/VB /ELECT /CE(E)/NRDA/2016-17, Raipur Dated: 03.08.2016; the following Corrigendum-1 is made.

Sr. No.	Description	In place of	Read As
01	Last Date and time of submission of Tender	05-09-2016 15.00Hrs	& 13-09-2016 & 15.00Hrs
02	Date and time of opening of Tender	05-09-2016 16.00Hrs	& 13-09-2016 & 16.00Hrs

Clarifications based on Pre bid queries received is provided in Annexure 1. The same shall form part of agreement. All other terms and condition shall remain same.

नया रायपुर – मेरा रायपुर

  
Chief Executive Officer



## ANNEXURE A

## Reply to Pre Bid Queries

Design, Supply, Installation, Testing, Commissioning and Maintenance of DG Sets for Office Complex, Commercial Complex and Retail Complex at Sector 24 and Sector 21 of Naya Raipur

NIT No.: 89/ DG/VB /ELECT /CE(E)/NRDA/2016-17, Raipur Dated: 03.08.2016

Sl.	No. Title/Item No.	Description	Bidders Queries	Clarification/New Items
1	<b>Earnest Money Deposit:</b> NRDA F-1, Detailed NIT / Clause 7		As per MSME Act & Gazette Notification from Ministry of MSME dated 23.03.2012, it has been mandatory to give EMD Exemption to MSME Registered Contractors. Please find attached the copy of the notification. The same is available online also.	Not agreed to
2	<b>D.G set</b>		a) Please confirm the location of the DG set whether the same is outdoor or Indoor. Please give the height of the closest building to calculate the total height of the exhaust stack. Kindly also give the details whether all the DG sets are at same location or different buildings. b) Kindly confirm that the exhaust pipe structure shall be measured separately under item No. 2.2.2 c) Please confirm whether only controller is to be provided or else AMF panel is also required. In case AMF panel is required, the same shall be as per manufacturers standard specifications.	a. 2x2000 KVA ( Water cooled ) D.G's are to be installed in basement of commercial complex building (B+G+11) at sector -21, 2x2000 KVA air cooled D.G are to be installed out side the building in retail complex building (B+G+6) at sector -21 & 2x600 KVA air cooled D.G 's are to be installed in side the office complex building (B+G+4) at sec-24.  b. Yes in water cooled D.G set however in the air cooled the exhaust piping shall be part of item quoted nothing extra shall be paid over it. c. AMF Panel in conjunction with synchronization panel is to be provided by the contractor .
3	NRDA F-1-Schedule-D- Section-III – TECHNICAL SPECIFICATIONS OF WORK	<b>Page No 10 of 104: Technical Specifications, clause no 9 Inspection &amp; testing:</b> Following reports shall also be submitted for which the DG Set shall trip along with the test simulated at manufacturers works :-	Please confirm whether short circuit test is to be done on Engine. The same is a type test & very expensive & needs to be done on the engine before assembly and at some external test house. More so ever, it is difficult to get the Engine & Alternator tested separately as these are components manufactured separately at different works. Testing is possible only on the complete DG set. We request you to kindly consider that "all type test reports as per relevant IS shall be submitted for Engine & Alternator and all routine test shall be conducted on the complete D.G. sets at the DG set assembler/ manufacturer work.	For this test contractor has to submit type test report and complete DG set will be tested in factory site for 8 hrs and 10 % additional for an hour with unity P.F
4	NRDA F-1-Schedule-D- Section-III – TECHNICAL SPECIFICATIONS OF WORK	<b>Page No 39 of 104: Technical Specifications Clause No 1.3.11 Alternator:</b> "6 Nos embedded Resistance Temperature device (RTD) of Platinum"	Please confirm what does platinum mean, whether it is the metal used for manufactured the RTD/ or whether it is make.	It is platinum sensor.
5	NRDA F-1-Schedule-D- Section-III – TECHNICAL SPECIFICATIONS OF WORK	<b>Page No 46 of 104 Technical Specifications 1.3.17 Performance test:</b> * The schedule of test to be performed in factory acceptance test shall include the following: On each of the three separate days and before any operation of the diesel- alternator on that day three successful manual start up operations to be accomplished.	Please confirm as to how many days are to be planned for each D.G. set Inspection, so that we can quote accordingly.	It is performance test .which is to be done by the contractor and the report shall be submitted.
6	NRDA F-1-Schedule-D- Section-III – TECHNICAL SPECIFICATIONS OF WORK	<b>Testing at Manufacturers Work/ Site testing:</b> Page No 68 of 104, Clause No 7.7 & 7.8 : You have asked the testing of 8 hours both at OEM location & site. The total consumption of fuel for 2000 KVA set is approximately 400-430 Litres per hours, hence the total fuel consumed shall be 17000 litres at factory & 17000 litres at Site, plus for 600 KVA, the consumption shall be around 100-120 litres per hr, hence 1920 litres at factory & 1920 litres at site. The total testing shall consume approximately 38000 litres which is approximately around 23 lacs of Diesel.	We suggest that the sets should be tested for 8 hours at factory & at site the same shall be tested at available load at site.	Clause no. 7.7 is ok. Clause no 7.8 g & h to be deleted. Clause no 7.8 a,b,c,d,e,f ,j,k,l are applicable.

Sl.	No. Title/Item No.	Description	Bidders Queries	Clarification/New Items
7	NRDA F-1-Schedule D Section V	<u>List of Approved make:</u> 1. Kirloskar Electric Co. Ltd. 2. Jackson Ltd. 3. Cummins Generator Technologies India Pvt. Ltd. 4. Sterling & Wilson Power Gen Ltd 5. Caterpillar	a) Kirloskar Electric Co. Ltd: Does not manufacture DG sets of required ratings. b) Jackson Ltd: The same of company is Jackson Ltd(spelling error) c) Cummins Generator Technologies India Pvt. Ltd: Manufacturers only Alternators & does not manufacture DG sets d) Sterling & Wilson Power Gen Ltd: The name of the company is Sterling Generators Pvt Ltd & they Manufactures DG sets with Perkins/Volvo/MTU Engines. e) Caterpillar: Does not have 600 KVA Engines & hence manufactures with Perking Engines. * We request you to Kindly give the Approved instead of DG set manufactures, as they are only assemblers & we can quote for competitive rates-> * Further as both M/s Jackson Ltd & M/s Sterling Wilson Power Genare also contractors and hence, if they are approved, the competitive spirit of the tender shall be declined. <b>Hence we suggest as below:</b> <b>Approved make of Engines:</b> <b>Cummins/Perkins/MTU/Caterpillar</b> <b>Approved make of Alternator:</b> <b>Stamford/ Leroy Somers</b>	No Change Only b Jackson Ltd shall be read as Jakson Ltd.
8	NRDA F-1-Schedule-F Clause 7	<u>Payment Items:</u>	We request you to kindly make the same as per your other tenders: * 15 % Advance against BG * 5 % Against Drawing Submission * 55 %Against Delivery * 10 % Against Testing & Commissioning * 15 % on satisfactory completion of each quarter of AMC	No change
9		<u>Annual Maintenace:</u>	As per tender, the scope involes only Annual Maintenance of the equipment & for the daily routine operation. We shall depute staff as per the site requirement.	No change