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NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
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NITRR/S&P/EE/2018/2129

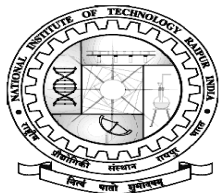
Dated: 05/12/2018

//Corrigendum//

With reference to Open tender no NITRR/S&P/EE/OT/2018/1990 Dt: 15/11/2018 which was due on 12/12/2018 for Electrical Engineering Department, the specification of item no. 2 **Generator Protection Simulation Unit** will be as per Annexure-I as enclosed. Kindly submit bid accordingly through e-tendering portal i.e. www.tenderwizard.com/NITR.

All other terms & conditions remain unchanged.

**Registrar
NIT Raipur**



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Annexure-I

Specification for Generator Protection Simulation Unit

Generator Protection Simulation Unit designed to study the protection of three phase alternator using different numerical protection relays. Necessary protection relays like % generator relay, over current relay, earth fault relay, over/under voltage relay, negative sequence relay, temperature relay, frequency relay are to be provided. Suitable CTs and PTs are to be provided for all the relays. Digital meters should be provided for measurement of various parameters accurately. Necessary fuses and protection devices should be built in the panel for safer operation.

Standard Specifications

3Ø AC generator / Alternator : 1KVA, 415V, 50Hz

Speed : 1500rpm

Power supply : 3Ø 415V AC, 50Hz

Alternator Type : Non-Salient Pole

Different Relays: : % Differential Relay, over current relay, earth fault relay, over/under voltage relay, negative sequence relay, temperature relay, frequency relay DSP based Power Analyzer with RS-485 Communication port along with Software with RS485-USB convertor should be provided.

Speed measurement Meter

3½ digit Digital Ammeter

3½ digit Digital Voltmeter

Time Interval Meter : 0.0001 to 9999sec

Operating temperature : -5°C to +45°C