


Clarifications to Pre-bid queries

Name of Work: "Supply, installation, testing and commissioning of 1 No. 415 Volts, 250 KVA D.G. Set with AMF panel at North End Substation premises".

Sl. No	Page no.	Tender Clause		Query raised by Bidder		Clarification/ changes made by CoPT in the Tender conditions
		Cl. No.	Description	As in tender condition	Request from bidder for change in condition	
1	137	Section IV 2.I (1) ENGINE	Direct injection, 4 stroke vertical in line cylinders, liquid cooled with specified shaft output after reduction of power for engine Auxiliaries and When operating at a governed speed of 1500 RPM at NTP condition	vertical in line cylinders	Vertical inline and V shape configured cylinder	Direct injection, 4 stroke vertical in line/ V shaped cylinders , liquid cooled with specified shaft output after reduction of power for engine Auxiliaries and When operating at a governed speed of 1500 RPM at NTP condition.
2	137	Section IV 2.I (1) ENGINE	Engine instrument panel consisting of (engine mounted) Tacho cum Hour meter (mechanical)	engine instrument panel with tacho hour meter mechanical, oil pressure gauge, charging ammeter etc engine mounted	all mechanical readings will be digital shown on genset controller mounted on genset control panel.	Engine instrument panel consisting of (engine mounted) shall be digital Tacho cum Hour meter (Mechanical/digital counter)
3	138	Section IV 2.I (1) ENGINE	Sheet steel leak proof horizontal cylindrical, diesel tank with stand capable of storing diesel for at least 8 hours of full load operation of the set with accessories like fuel level indicators.	Sheet steel leak proof horizontal cylindrical diesel tank with stand capable of storing diesel for 8 hrs on full load operation	Diesel tank will be built in rectangular type with 650 ltrs capacity, sufficient for 10 hrs of operation on 100% load	"Diesel tank built-in rectangular type with 650 ltrs capacity, sufficient for 10 hrs of operation on 100% load" / horizontal cylindrical, diesel tank capable of storing diesel for 8 hours of full load operation

4		Section IV 2.I (7) Generator control panel	100 amps 4 pole MCCB with spreader links and UV release		400 amps 4 pole MCCB with spreader links and UV/shunt release	400 amps 4 pole MCCB with spreader links and UV/shunt release
5		Section IV 2.I (7) Generator control panel	Standby low set E/F relay using CT at neutral earthing conductor	Item no 6 stand by earth fault relay with neutral ct and item no 10 earth fault relay	provide only stand by earth fault relay with neutral CT	“provide either item No.6 low set E/F relay using CT at neutral or item No.10 earth fault relay with neutral inbuilt CT”
6		Section IV 2.I (7) Generator control panel	Voltmeter/Ammeter in 3 phases with CT. Frequency meter Wh meter & Hour meter	Volt meter, ammeter, frequency meter watt hr meter and hr meter to be provided	All electrical readings will be shown on genset controller. however separate kWH meter with necessary CTs will be provided.	“All electrical readings shall be shown on genset controller, separate kWH meter with necessary CTs shall be provided. Alternatively Voltmeter/Ammeter in 3 phases with CT. Frequency meter, Wh meter & Hour meter
7		Section IV 2.I (8) AMF PANEL	Flush mounting Analog meters with selector switches to measure Voltage (0 to 500V), current (0-400A) in three phases, PF and frequency. Digital type KWH meter with seven segment Bright red LED display of class 1 accuracy with keyboard for viewing	Separate volt meter, ammeter, frequency meter, pf meter and kwh meter . whether multi display meter is acceptable or not.	CoPT clarified that they need fault and alarm indication faults and alarm to be shown on both in genset panel and amf panel	Tender condition prevails.

			different values, complete with required no of resin cast CTs 400/5A, 15VA class 1 accuracy – 2 sets			
8		Section IV 2.1 (8) AMF PANEL	Over voltage relay, Under Voltage relay, Oil surge relay & Shunt trip release. 1 set of ON/OFF indication lamps	Engine fault indication on genset panel is fault and alarm indication on genset panel alone or required on AMF panel also	CoPT clarified that they need fault and alarm indication faults and alarm to be shown on both in Genset panel and AMF panel.	The alarm indications shall be shown on both in Genset panel and AMF panel as per the Tender Specification
9			Section VI. 2 BOQ	Power cable specs and qty, no of earthing, type of earthing, qty of earth strip and control cable amf operation are not mentioned	CoPT to upload the type & qty of power cable, earthing type & qty, earth strip type and qty and control cable type and qty in tender schedule.	Details uploaded


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CHIEF MECHANICAL ENGINEER
