

Tata Power Northern Odisha Distribution Limited, Balasore

Pre-Bid Tech-Comm Query Resonse NIT-028, Cable Fault Locating Van

Sl. No	Specification of TPNODL	Remarks by bidder	Justification	TPNODL Remark
1	Page No. 122 clause No. 4.0 sub clause 1, a : output power 200 W	Higher Power out put of transmitter has various advantages and high power is recommended for cable route tracing and pinpointing the short circuit faults. The range variation mentioned in the tender is 2.5 times. Which is very confusing and difficult to compare technically and commercially. It is requested that please mention higher range so bidder should not offer a lower range product.		Minimum output power of 200W is required
	Page No. 126 clause No. 6.5 sub clause 1 : output power 200 W to 500 W			
2	Page No. 123 clause no. sub clause B, 3 : VLF Sinus/ VLF CR (Peak Voltage) 54 kv	DC testing is not recommended on XLPE cable according to standards. Please amend the VLF voltage up to 80 KV .and DC voltage also will be available in the VLF generator without any additional unit and cost. Please make the necessary amendment for 80 KV VLF.		We require up to 54kV VLF
	Page No. 124 clause No. 6.1 : DC testing			
3	Surge generator is very important module in the cable fault locator. Capacity of surge Generator is assessed on the bases of energy (in Joules) at each steps. It is recommended that min 3000 J energy on 0-8, 0-16 and 0-32 Kv and 1500 J at 0-4 step. And request you to please mention the specification of surge Generator.			0-8kV, 0-12kV,0-32kV 2400J (Minimum) and 0-4kV - 1500J (Minimum) is required.
Specifications of Surge Generator				
1	Mains supply	220-230 V		
2	Mains frequency	45 Hz to 60 Hz		
3	max. power consumption (at short circuit)	5.000 VA		Max. power consumption is 7KVA as per Point No.-8
4	max. output voltage	32 kV		
5	Output voltage range and surge energy	0 - 8 kV, 3000 Joule 0 - 16 kV, 3000 Joule 0 - 32 kV, 3000 Joule		
6	impulse frequency	10, 15 Imp. / min		
7	max. DC output current	voltage range 0 - 8 kV, 850mA voltage range 0 - 16 kV, 425mA voltage range 0 - 32 kV, 210mA		As per your specs the GENSET capacity of around 7KVA is required. Pleae take care of that.
8	Operating temperature range	-20 °C to + 50 °C		
1.7 Qualification Criteria				
1.7.7	Bidder should have customer support centre or support service office with qualified technicians for 24X7 support in north Odisha area. Office address proof with personnel details will be required.	Our Service Centre Offices @ Nasik ,Mumbai,Delhi, Bangalore		Bidder have to comply and provide details on their letter head.

The entire operation control is carried out via a central operating /interface unit which comprises the TDR for fault location and controls the individual high voltage operating modes and the phase selection

Operation of the kit has to fully automated with latest testing features . All requested testing & Control shall be be from One Master Display Controller , Rotary dial /Jockdail . This feature enables single control to operate entire cable fault machine including VLF without the need of external computer.

Details of requirement

Ok. Accepted.

<p>6.2 at page 123</p>	<p>Testing method</p>	<p>kindly consider adding , feature for Prelocation ARM Burning .</p>	<p>ARM Burning- combination of ARM & burning which will avoid the manual way of prolong burning the cable which will damage the cable further. In recent tender of TATA power Mumbai customer has selected this option</p>	<p>Stated upgraded features are accepted.</p>
<p>11 at Page 123</p>	<p>Pre dispatch inspection</p>	<p>Suggest have in within India</p>	<p>Our manufacturer unit is in Germany. Visit to factory for inspection shall be difficult with respect to Pandemic .</p>	<p>This has to be complied even at later date whenever Pandemic/Lock down is over. (Training to 2 members if inspection is not possible)</p>