

PROCUREMENT PROCEDURE OF CPRI (NON WORKS)					
Revision No. : 04			Issue No : 2		
Dt of Revision : 27.08.2020			Issue Dt. : 30.06.2003		
Page No. : 1 of 2			Issued by : P A		
Section : Formats			Documents : PPM		
Topic : Technical Specifications format			FORMAT NO.:CPRI/PUR/ETBID/GTP		
Section IV T -Technical Specification					
CENTRAL POWER RESEARCH INSTITUTE, BENGALURU/BHOPAL Web: www.cpri.in , www.tenderwizard.com/CPRI					
Tender Enquiry No : CPRI/BLR21MED01M822					
Description of the Equipment/Goods/Services : Dynamic Signal Analyzer (8 channel data acquisition system) suitable for Fatigue testing on Conductor - Insulator Test system (80 m span)					
Note : 1) The technical bid submitted in other than this format is liable to be rejected.					
2) All blue fields are mandatorily to be filled in.					
Name and address of the bidder					
Quotation Number and Date					
Sl.No.	Technical Specifications/Parameters	Qty	To be completed by the Bidder		
			Details of guaranteed technical parameters offered by the bidder	Guaranteed Technical Particulars (GTP)	Deviations from GTP
1	Scope of work : Supply, Installation, Demonstration and training of Dynamic Signal Analyser @ CPRI Bangalore				
2	Dynamic Signal Analyser, 8 channel data acquisition system, All analog channels shall be compatible to various sensors like, Accelerometers, microphone, strain guage, LVDT etc. Simultaneous sampling required Dynamic range >120 dB, Min 200 kHz/Channel, ADC resolution 24 bit, Voltage range shall be 10mV, 100mV, 1V & 10V.	One			
3	Suitable adopter for IEPE sensors with 0.8 Hz filter isotron, automatic adopter identification, Dual TEDS interface, The dynamic Signal analyser shall acquire, display & record the following test parameters : Frequency of vibration (Hz), Amplitude (mm), Number of Cycles & Tension in the conductors (Load values in kN)	One			
4	Software Analysis : Realtime, autoscaling, analog.digital meter, tabular display, bar graphs, overload indicator, Frequency Analyssi-FFT, FFT graph (adjustable line resolution upto 64k, rectangular/hamming/flat top/Triangle- 3D FFT Waterfall (Zoom & rotate view) Octave Band Analysis, Data recording & play back with reporting tools, Software shall be compatible with web cam and any analog data shall be synchronized with video data streaming. Data export to MS Excel, Test/CSV and Matlab and universal file format, SMS & E-mail notification and alert about system status vis E-mail/SMS,	One			

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5	FHD display system with windows 10 OS with web cam for enabling automatic video capture (Test duration about 5-6 days continuous)	One			
6	Uniaxial peizoelectric miniature IEPE/ICP accelerometer. 100 mV/g, 0.5Hz to 10 kHz, 10-32 side connector, low noise coaxial cable 10 ft.	Two			
7	Elastomer displacement sensor, Measurement range -250 mm, output signal 0-5 V, Sample Rate : 1000 sample /second, protection range IP68	Two			
8	Minimum warranty 12months from the date of successful instاللtion & commissioning , CPRI reserves the right to conduct PDI prior to the dispatch at the works. Calibration certificates traceable to national/international standards from an ISO 17025 accredited laboratory, Inspection of equipments on receipt at CPRI Bangalore, Manufacturers quality self certification is required.				
PN: 1) Mere statement of "Complied" do not suffice the requirement. The details of technical parameters in proof of CPRI requirements shall be furnished along with technical write-up, catalogues, brochures, literatures, phamplates, or any other documents shall be submitted in hard copy along with technical bid. 2) Calibration reports/certificates, factory test reports/certificates from an accredited agencies/facilites shall be submitted wherever applicable. 3) CPRI reserves the right to conduct "predispatch inspection" prior to dispatch at the works of the supplier and the expenditure towards PDI shall be borne by CPRI. However information regarding the rediness of the equipment/machinery for the PDI shall be communicated in writing at lease 70 days in advance.					