

PROCUREMENT PROCEDURE OF CPRI (NON WORKS)

Revisic : 04
 Dt of R : 27.08.2020
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 Sectior : Formats
 Topic : Technical Specifications format

Issue No : 2
 Issue Dt. : 30.06.2003
 Issued by : P A
 Documents : PPM
 FORMAT NO.:CPRI/PUR/L - TBID/GTP

Section IV T -Technical Specification

CENTRAL POWER RESEARCH INSTITUTE, BENGALURU

Tender Enquiry No : CPRIBLR23EATD82M1166

Description of the Equipment/Goods/Services : Design, Supply of materials, fabrication of wheels for heavy duty trolley of IP test lab. dust chamber

Note : 1) The technical bid submitted in other than this format is liable to be rejected.

2) All 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		
			Detials of guaranteed technical parameters offered by the bidder	Guaranteed Technical Particulars (GTP)	Deviations from GTP
1	Specification for Design, Supply of materials, fabrication of wheels on heavy duty rail for manual smooth and free movement of existing appx. 20ton capacity 6wheel IP lab dust chamber trolley.				
2	Preamble: CPRI has welded and fabricated (using MS C channels, angles etc.) heavy duty MS trolley structure to withstand load of appx. 20T. to move the test samples in and out of dust test chamber through ISMC 150. During the testing the MS trolley structure will be placed inside the dust test chamber along the test object.				
3	Requirement: The MS trolley structure to withstand load of appx. 20T. is to be redesigned for manual smooth and free movement of test samples in and out of dust test chamber.	one unit			

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4	CPRI scope is to provide the welded and fabricated (using MS C channels, angles etc.) heavy duty MS trolley structure and the required power supply only				
5	The detailed scope of work of agency is as under;				
a	Design size calculation of load bearing stainless steel rod (appx. 25mm dia.) as rail on a required size inverted C channel				
b	Design size calculation of V groove heavy duty wheels with dust proof bearings (load shared on 6 wheel) move on stainless steel rod (appx. 25mm dia.) and 6.5 metres each 2 Nos.				
c	Covering the C channels and angles of existing trolley structure with suitable MS sheets with epoxy painting etc. to prevent accumulation of dust powder				
d	Fabrication work of attaching wheels to the existing trolley, welding of stainless steel rod (appx. 25mm dia.) to C channel and closing the openings of inverted C channel with suitable medium like SS flats/ channel etc. for 6500mm long				
e	The material used for the work shall be of good quality with ISI mark and best service life				

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f	The trolley is used in a very dust environment (surrounding) and design need to cover the moving parts (wheel bearings) with proper protections.				
g	The other material / services which required for above activity and not mentioned in the specification shall be in the scope of the supplier/ fabricator.				
h	Finally loading the trolley with the desired load of appx. 20T. and ensure smooth operation as per requirement above.				
i	The fabricators are informed to visit the laboratory during office hours for any clarifications, if required, towards above scope of work prior to submitting the offer.				

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/machinary for the PDI shall be communicated in writing at lease 70 days in advance.