

## SWITCHGEAR ENGINEERING DIVISION

REV.NO.- 00

Rate Contract Technical Specification of Instruments  
(ANNEXURE-A) to PI No.240942617

Page 1 of 2

## INSTRUMENTS

IT. NO.	DESCRIPTION OF INSTRUMENT	Vendor to give compliance in Yes/No
001	MOVING IRON TYPE <b>AMMETER</b> , 96 x 96 mm SQUARE FLUSH MOUNTING CASE, ACCURACY CLASS 1.0, SCALE 90 DEGREE WITH NORMAL/SUPPRESSED SCALE (CT SEC & SCALE SHALL BE INFORMED AT ORDERING)	
002	MOVING IRON TYPE <b>VOLTMETER</b> , 96 x 96 mm SQUARE FLUSH MOUNTING CASE, ACCURACY CLASS 1.0, SCALE 90 DEGREE. (PT RATIO & SCALE SHALL BE INFORMED AT ORDERING)	
003	MOVING COIL TYPE <b>AMMETER</b> , 96 x 96 mm SQUARE FLUSH MOUNTING CASE, ACCURACY CLASS 1.0, SCALE 240 DEGREE WITH NORMAL/SUPPRESSED SCALE (CT SEC & SCALE SHALL BE INFORMED AT ORDERING)	
004	MOVING COIL TYPE <b>VOLTMETER</b> , 96 x 96 mm SQUARE FLUSH MOUNTING CASE, ACCURACY CLASS 1.0, SCALE 240 DEGREE. (PT RATIO & SCALE SHALL BE INFORMED AT ORDERING)	

**STANDARDS:** - All instruments must confirm to IS: 1248-1991 in all respects.

## 1. Ammeter :

Meters (Ammeter)		Vendor Confirmation Yes/NO
Mounting	Flush Mounted	
Type	Moving iron Type 90° Scale for Item #001 & 002 Moving coil type,240° Scale for Item #003 & 004	
Size	96 X 96 mm	
Accuracy class	1.0	
CT Secondary	1/5 A	
Scale	Normal/Compressed	
Front Glass	Anti-Glare	
BURDEN FOR CT SEC 5A	BIDDER TO SPECIFY	
BURDEN FOR CT SEC 1A	BIDDER TO SPECIFY	
Guarantee	24 months	
Before supply to BHEL works Vendor to take confirmation for Scale against each Item. CT SEC & SCALE SHALL BE INFORMED AT ORDERING		

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Page 2 of 2

## 2. VOLTMETER :

Meters (Voltmeter)		Vendor Confirmation Yes/NO
Mounting	Flush Mounted	
Type	Moving iron Type 90° Scale for Item #001 & 002 Moving coil type,240° Scale for Item #003 & 004	
Size	96 X 96 mm	
Accuracy class	1.0	
PT SECONDARY	110V	
Scale	Normal	
Front Glass	Anti-Glare	
BURDEN	BIDDER TO SPECIFY	
Guarantee	24 months	
Before supply to BHEL works Vendor to take confirmation for Scale against each Item. <i>PRIMARY SCALE SHALL BE INFORMED AT ORDERING</i>		

## NOTES :-

S.NO	NOTE	Vendor to give compliance in Yes/No
001	In case of dual scale meter, both the scales shall be stamped in front of dial plate.	
002	2 copies of panel cutout, terminal diagram are to be furnished along with offer.	
003	2 copies of routine test certificates are to be furnished at the time of delivery.	
004	The supplier shall guarantee the satisfactory performance of the meter for a period of 18 months from the date of receipt at BHEL Bhopal.	
005	Sticker for P.O. No. /It No. /Material code to be provided on each meter.	

## ACCEPTANCE CRITERIA:

- 1) Visual checks for cracks and surface finish.
- 2) Rating plate as per specification parameters.
- 3) Availability of all routine test certificates.

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Approved by: Murtaza Hussain

Date : 22/04/2024

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