Annexure -1

SPECIFICATIONS FOR CURRENT SENSORS
(Quantity: 20 Nos)

A) CURRENT SENSORS (600 Amps)- 10Nos

1.0 General :

The HALL-effect current sensors for the electronic measurement of DC & AC current, with galvanic isolation between the primary (high power) and the secondary (electronic) circuits.

2.0 Electrical Data:

a)	Primary nominal rms current	:	600 A
b)	Measuring range	:	± 900 A
c)	Supply Voltage	:	± 15 V
d)	Current consumption	:	± 15 mA
e)	Accuracy at + 25^0C	:	≤ ±1% of full scale
f)	Galvanic Isolation voltage	:	≥ 3kV RMS/50Hz/1 minute

3.0 Dynamic performance

a)	Zero offset current	:	< ± 0.4 mA
b)	Linearity	:	< ± 1% IpN
c)	Response time	:	< 3 micro sec
d)	Bandwidth	:	DC to 50 KHz
e)	Operating temperature	:	-10^0C to + 80^0C or better
f)	Storage temperature	:	-25^0C to +80^0C or better

4.0 Physical

Mounting : Panel mountable with rectangular opening for current carrying conductor.

5.0 REMARKS

Required quantity – 10 Nos

Suggested model No.- HAS-600-S or equivalent

B) CURRENT SENSORS (200 Amps)- 10Nos

1.0 General :

The HALL-effect current sensors for the electronic measurement of DC & AC current, with galvanic isolation between the primary (high power) and the secondary (electronic) circuits.

2.0 Electrical Data:

a)	Primary nominal rms current	:	200 A
b)	Measuring range	:	± 600 A
c)	Supply Voltage	:	± 15 V
d)	Current consumption	:	± 15 mA
e)	Accuracy at + 25^0C	:	≤ ±1% of full scale
f)	Galvanic Isolation voltage	:	≥ 3kV RMS/50Hz/1 minute

3.0 Dynamic performance

a)	Zero offset current	:	< ± 0.4 mA
b)	Linearity	:	< ± 1% IpN
c)	Response time	:	< 3 micro sec
d)	Bandwidth	:	DC to 50 KHz
e)	Operating temperature	:	-10^0C to + 80^0C or better
f)	Storage temperature	:	-25^0C to +80^0C or better

4.0 Physical

Mounting : Panel mountable with rectangular opening for current carrying conductor.

5.0 REMARKS

Required quantity – 10 Nos

Suggested model No. - HAS-200-S or equivalent