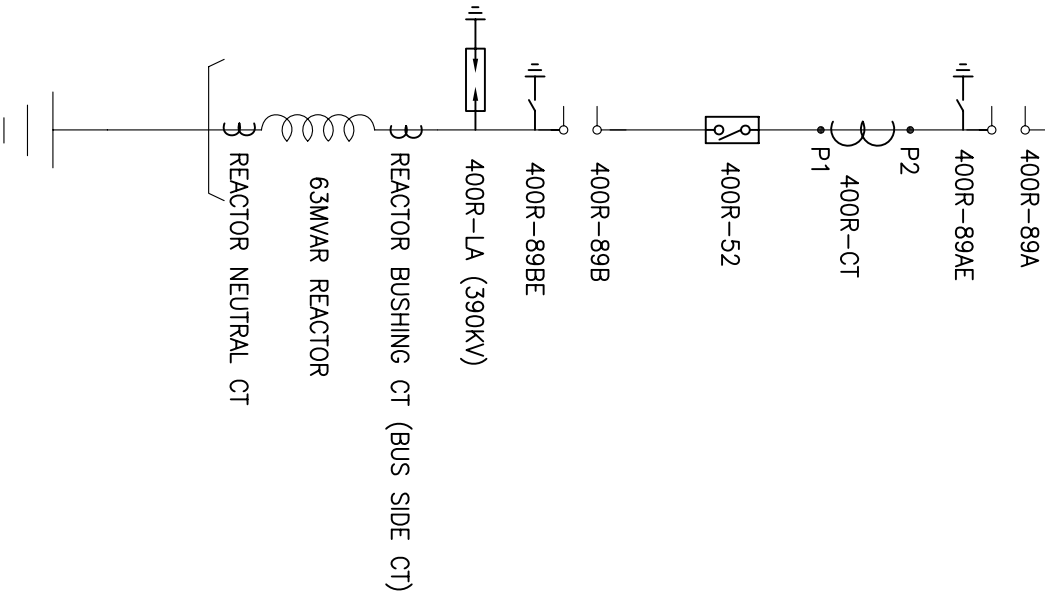


MAIN BUS-I 400KV,50HZ, 3-PH, 2000A,40KA FOR 1SEC

S.NO.	DESCRIPTION	SYMBOL	ABR.	QTY.
1	400 kV, 2000A, 40 KA FOR 1 SEC, 3-PH SF6 CIRCUIT BREAKER WITHOUT CLOSING RESISTOR		52	01
2	400KV, 3150A, 40KA FOR 1 SEC, 3-PH. CENTRE BREAK ISOLATOR WITH one EARTH SWITCH		89 89E	02
3	400KV, 2000A, 40KA FOR 1 SEC., CURRENT TRANSFORMER		CT	03
4	390KV, 10KA Class-3 SURGE ARRESTER		LA	03
5	63MVAR, 400KV REACTOR			01

SCHEDULE OF EQUIPMENT



400 KV, 2000 A CURRENT TRANSFORMER

Core No.	RATIO	Output Burden at Highest Tap	Min KPV	Max Ie	Max Rct	Acc Class	Purpose
1	2000-1000/1	-	2000-1000 V	30 mA at KPV AT HIGHEST TAP	10-5 OHM	PS	Busbar Differential
2	2000-1000/1	-	2000-1000 V	30 mA at KPV AT HIGHEST TAP	10-5 OHM	PS	LBB
3	2000-1000-500/1	20 VA	-	-	-	0.2	Metering
4	2000-1000-500/1	-	2000-1000-500 V	30 mA at KPV AT HIGHEST TAP	10-5-2.5 OHM	PS	Reactor Differential
5	2000-1000-500/1	-	2000-1000-500 V	30 mA at KPV AT HIGHEST TAP	10-5-2.5 OHM	PS	Spore

COPY RIGHT AND CONFIDENTIAL

The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED  
it must not be used directly or indirectly in anyway detrimental to the interest of the company.

COMPUTER DRG. PATH NAME :

SIGN & DATE

REV. 02  
DATE 01.08.11  
ALTD. MM  
CHD. DKM/VK  
APPD. RS

REV. 01  
DATE 18.05.11  
ALTD. RK  
CHD. MM/DKM  
APPD. DS

NGR AND 120 KV LA REMOVED

DRAWING REVISED AS PER KPTCL COMMENTS DATED 11.04.11

BUS REACTOR

NAME OF CUSTOMER  
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

NAME OF PROJECT  
(INSTALLATION OF 1X63MVAR BUS REACTOR)

BHARAT HEAVY ELECTRICALS LIMITED

TRANSMISSION PROJECTS DIVISION

SINGLE LINE DIAGRAM FOR MODIFICATION WORKS  
AT 400/220KV S/S TALAGUPPA

DEPT. TBEM  
CODE 422

SCALE 1:500  
W.O. No. 80009

DRG. No. TB-3-342-510-001

CARD CODE

NEXT SHEET --  
SHEET 01  
REV. 02

