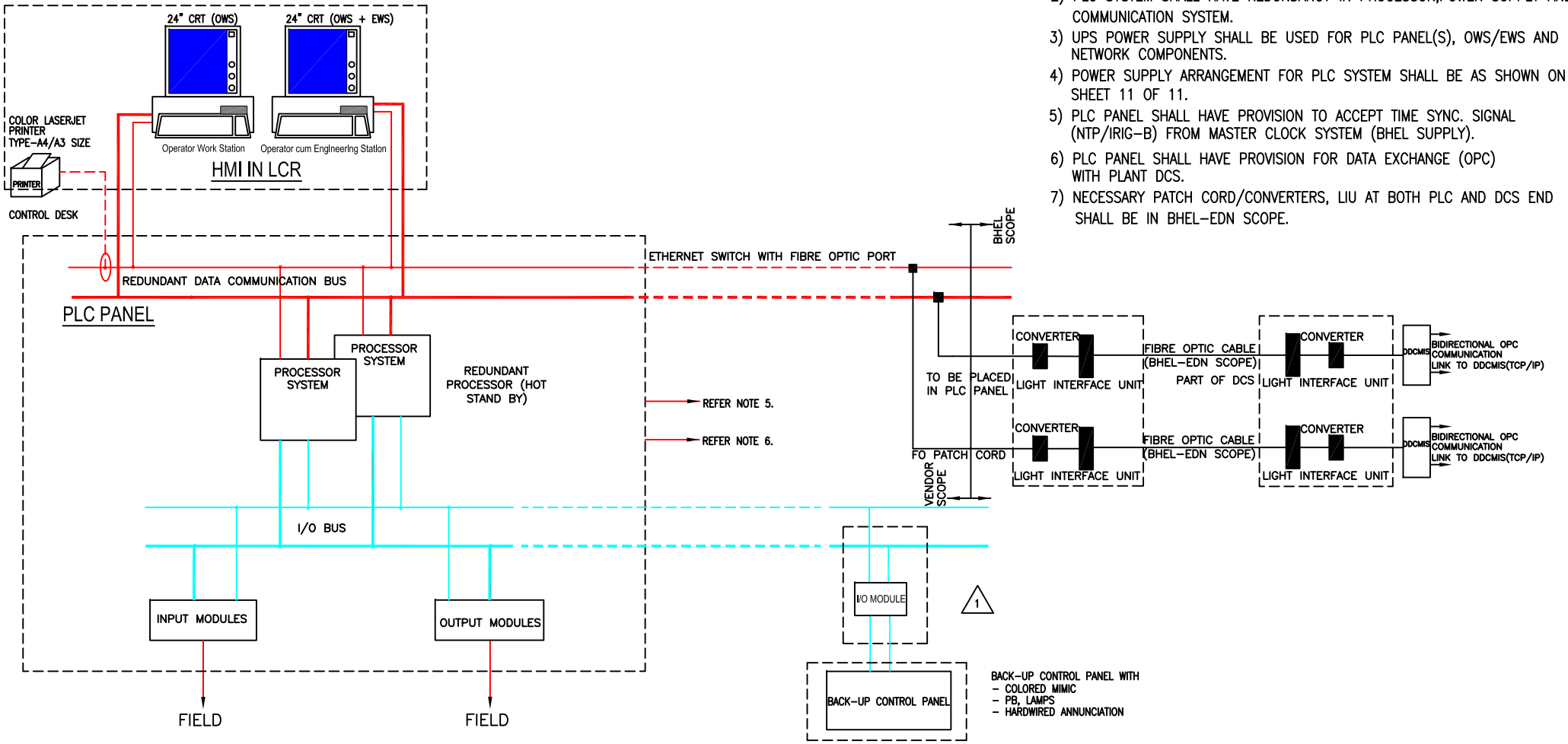
NOTES:

1) TABLE TOP OWS/EWS SHALL BE 24" OR AVAILABLE INDUSTRY STANDARD.
2) PLC SYSTEM SHALL HAVE REDUNDANCY IN PROCESSOR,POWER SUPPLY AND COMMUNICATION SYSTEM.
3) UPS POWER SUPPLY SHALL BE USED FOR PLC PANEL(S), OWS/EWS AND NETWORK COMPONENTS.
4) POWER SUPPLY ARRANGEMENT FOR PLC SYSTEM SHALL BE AS SHOWN ON SHEET 11 OF 11.
5) PLC PANEL SHALL HAVE PROVISION TO ACCEPT TIME SYNC. SIGNAL (NTP/IRIG-B) FROM MASTER CLOCK SYSTEM (BHEL SUPPLY).
6) PLC PANEL SHALL HAVE PROVISION FOR DATA EXCHANGE (OPC) WITH PLANT DCS.
7) NECESSARY PATCH CORD/CONVERTERS, LIU AT BOTH PLC AND DCS END SHALL BE IN BHEL-EDN SCOPE.



LEGEND: –

PLC	– PROGRAMMABLE LOGIC CONTROLLER
DCS	– DISTRIBUTED CONTROL SYSTEM
UPS	– UNINTERRUPTED POWER SUPPLY
OWS/EWS	– OPERATOR WORK STATION/ ENGINEERING WORK STATION
HMI	– HUMAN MACHINE INTERFACE
NTP	– NETWORK TIME PROTOCOL
OPC	– OLE PROCESS CONTROL
MCCB	– MOULDED CASE CIRCUIT BREAKER
MCB	– MINIATURE CIRCUIT BREAKER
LCR	– LOCAL CONTROL ROOM
CCR	– COMMON CONTROL ROOM

BHEL Maharatna Company

PROJECT:	4X270 MW BHADRADRI TPS	DRG.NO.	PE-DM-411-145-I900
		DATE	01.07.2015
TITLE:	PLC CONFIGURATION CW & RW CHLORINATION	REV.NO.	02
		SHT	9 OF 11