



NOTE:

- 1.ALL NETWORK SWITCHES SHALL BE LAYER-3 MANAGED ETHERNET SWITCHES.
- 2.THE PLC SYSTEM SHALL HAVE HOT STANDBY DUAL REDUNDANT PLC PROCESSORS, REDUNDANT COMMUNICATION CARDS, REDUNDANT POWER SUPPLIES AND REDUNDANT IO MODULES.
- 3.SIMILAR DESIGN SHALL BE APPLICABLE FOR OTHER UTILITIES
- 4.INTERFACE & COMMUNICATION WITH ICCC / THIRD PARTY SHALL BE RESPONSIBILITY OF RECEIPTIVE CONTRACTOR
- 5.CONTRACTOR SHALL SUBMIT THE DETAILED ARCHITECTURE DRAWING BASED ON THIS TENDER DRAWING.

ABBREVIATIONS:

OCC - OPERATIONAL CONTROL CENTER
CCR - CENTRAL CONTROL ROOM
FO - FIBRE OPTIC
RF - RADIO FREQUENCY
SOE - SEQUENCE OF EVENTS
IO - INPUT OUTPUT
RTU - REMOTE TERMINAL UNIT
MCC - MOTOR CONTROL CENTER
VFD - VARIABLE FREQUENCY DRIVE
PLC - PROGRAMMABLE LOGIC CONTROLLER
HSSL - HIGH SPEED SERIAL LINK
UA - UNIFIED ARCHITECTURE
API - APPLICATION PROGRAMMING INTERFACE

LEGEND:

	FIBRE OPTIC
	HARD WIRED ELECTRICAL SIGNAL
	LAYER-3 ETHERNET SWITCH
	SYN SYNCHRONIZATION (FO CABLE) REDUNDANCY BUNDLE
	WIRELESS COMMUNICATION
	GPRS / GSM CONNECTIVITY
	IN CONFERENCE ROOM OF ADMIN BUILDING OR AT A LOCATION SUGGESTED BY ENGINEER

FOR TENDER

CLIENT



MAHARASHTRA INDUSTRIAL TOWNSHIP LTD (MITL)

PROJECT

DESIGN, CONSTRUCTION, TESTING, COMMISSIONING AND OPERATION & MAINTENANCE OF INFRASTRUCTURE WORKS AT DIGHI PORT INDUSTRIAL AREA (DPIA)- PHASE 1 UNDER DELHI MUMBAI INDUSTRIAL CORRIDOR (DMIC) ON EPC BASIS

TITLE

TYPICAL PLC -SCADA SYSTEM ARCHITECTURE FOR WATER & OTHER UTILITIES

PROJECT CODE: DI1628 STATUS: ISSUED FOR TENDER DATE: 06.01.2025

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