



TITLE:
2X660 MW KORADI STP (UNITS-11&12)
AIR CONDITIONING SYSTEM
TENDER DRAWINGS

SPECIFICATION No: PE-TS-527-553-A001

SECTION: II

Sub Section: 7

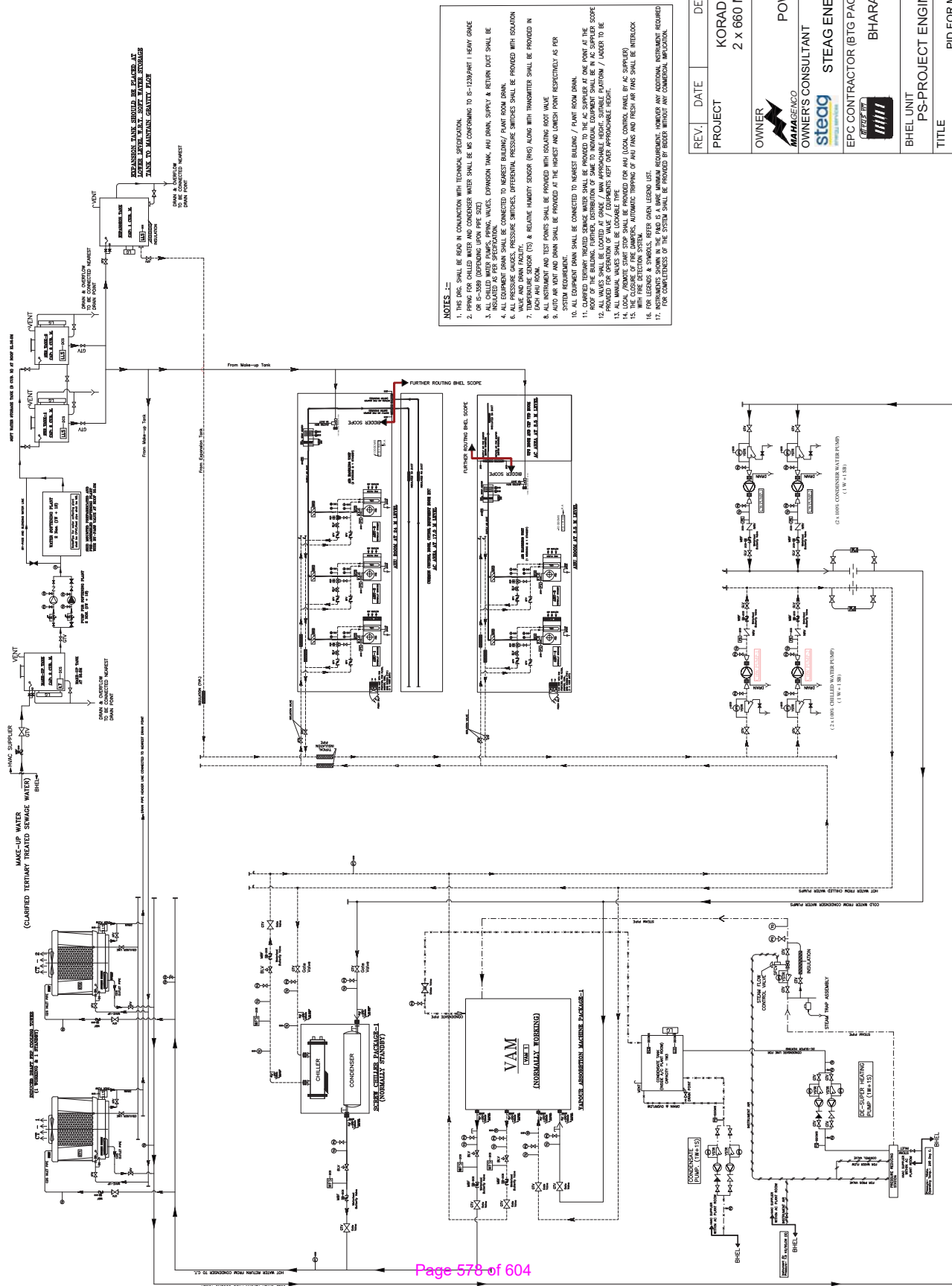
REV. 00

DATE: AUGUST 2026

SECTION: II

SUB SECTION: 7

TENDER DRAWINGS



LEGEND	DESCRIPTION
	OFFICE PLATE
	FLOW METER
	CH. WATER SUPPLY & RETURN PIPE
	COND. WATER SUPPLY & RETURN PIPE
	INSTRUMENT AIR PIPE
	CONDENSATE DRAIN PIPE
	OPEN DRAIN PIT
	ATMOSPHERIC VENT
	DESCALING CONNECTION
	STRIP HEADER
	AXIAL FLOW FRESH AIR SUPPLY FAN
	CENTRIFUGAL FAN
	PUMP
	PAN HUMIDIFIER
	LEVEL GAUGE
	LOW LEVEL SWITCH
	GFSV STAT
	AIR STAT
	WATER FLOW SWITCH
	RH. SENSOR & TEMP. SENSOR
	PRESSURE SWITCH
	NON RETURN DAMPER
	DIFFERENTIAL PRESSURE SWITCH
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	FINE FILTER
	FIRE DAMPER (MOTORISED)
	REDUCY/EXPANDER
	BUTTERFLY VALVE
	MOTORISED BUTTERFLY VALVE
	FLOAT VALVE
	BALANCING VALVE
	GATE VALVE
	GLOBE VALVE
	NON RETURN VALVE

REV.	DATE	DESCRIPTION	PPD	CHD	APPRO
PROJECT		KORADI THERMAL POWER STATION 2 x 660 MW UNITS - 11 & 12 PROJECT			
OWNER		MAHARASHTRA STATE POWER GENERATION CO. LTD.			
 MHA GENCO steeg SUPPLY TRADING ENGINEERING GROUP		OWNER'S CONSULTANT STEAG ENERGY SERVICES (INDIA) PVT. LTD.			
EPC CONTRACTOR (BTG PACKAGE)		BHARAT HEAVY ELECTRICAL LTD.			
 BHEL UNIT		PS-PROJECT ENGINEERING MANAGEMENT, NOIDA			
TITLE		PID FOR MAIN PLANT FOR AC SYSTEM			
DRAWING No.		PE-DG-527-553-A001			
DATE:	SCALE:	DRAWN BY:	CHECKED BY:	APPROVED BY:	REVIEWER:
13.03.2026	NTS	DN	AK	SR	0

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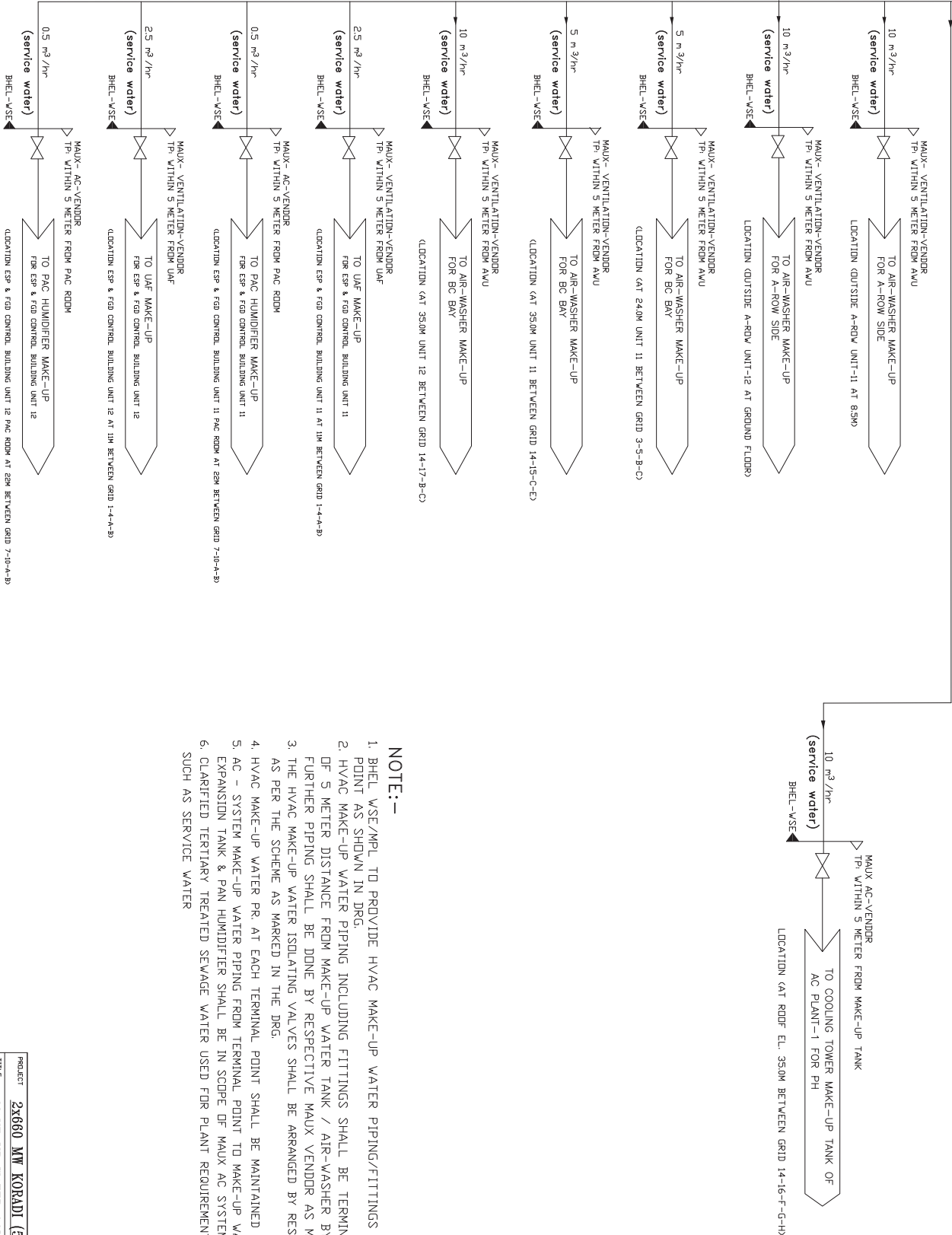


5. SUITABLE COOLING WATER TREATMENT PROGRAM (VIZ SCALE INHIBITOR/ CORROSION INHIBITOR/ BIO DISPERSANT/NAOCL ETC.) MUST TO DOSED TO MAINTAIN A CORROSION, SCALE & MICROBIOLOGICAL FOULING FREE WATER CHEMISTRY IN THE COOLING WATER CIRCUIT FOR EFFICIENT OPERATION OF AC SYSTEM.
6. MOC SHOULD BE AS PER TECHNICAL SPECIFICATION AND SHALL BE COMPATIBLE WITH THE PROCESS REOMT. & FLUID BEING HANDLED BIDDER TO GIVE DETAILS IN SUPPORT OF THE MOC THUS SELECTED FOR SUITABILITIES OF THE MATERIAL WHEREVER NOT SPECIFIED IN THE TENDER.

FORMANT SIZE AD

TOTAL MAKE UP WATER FOR HVAC: 56 m³/hr (CLARIFIED TERTIARY TREATED SEWAGE WATER)

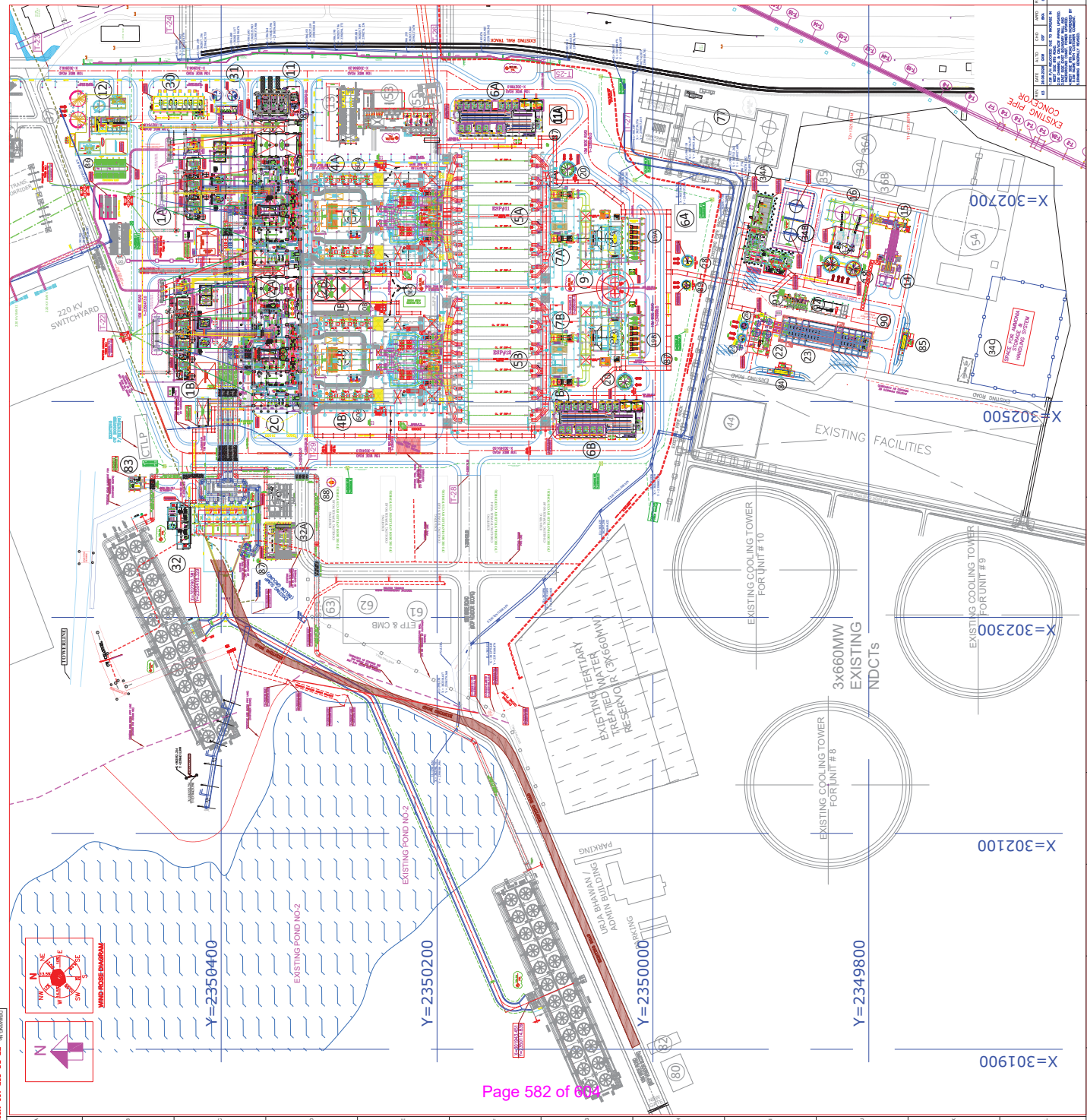
2X660 MW KORADI TPS



NOTE:-

1. BHEL VSE/WPL TO PROVIDE HVAC MAKE-UP WATER PIPING/FITTINGS UP TO THE TERMINAL POINT AS SHOWN IN DRG.
2. HVAC MAKE-UP WATER PIPING INCLUDING FITTINGS SHALL BE TERMINATED WITHIN THE RANGE OF 5 METER DISTANCE FROM MAKE-UP WATER TANK / AIR-WASHER BY BHEL
3. FURTHER PIPING SHALL BE DONE BY RESPECTIVE MAUX VENDOR AS MARKED IN THIS DRG.
4. THE HVAC MAKE-UP WATER ISOLATING VALVES SHALL BE ARRANGED BY RESPECTIVE MAUX VENDOR AS PER THE SCHEME AS MARKED IN THE DRG.
5. HVAC MAKE-UP WATER POINT SHALL BE MAINTAINED 0.5 kg/cm².
6. AC - SYSTEM MAKE-UP WATER PIPING FROM TERMINAL POINT TO MAKE-UP WATER TANK, EXPANSION TANK & PAN HUMIDIFIER SHALL BE IN SCOPE OF MAUX AC SYSTEM VENDOR
7. CLARIFIED TERTIARY TREATED SEWAGE WATER USED FOR PLANT REQUIREMENTS
8. SUCH AS SERVICE WATER

PROJECT	2X660 MW KORADI (527)
TITLE	MAKE UP WATER SCHEME FOR HVAC SYSTEM
DATE	30/04/2016
CHECKED	
SCALE	NTS
DRAWN	
APPROVED	

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