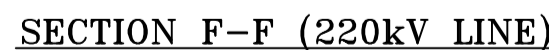
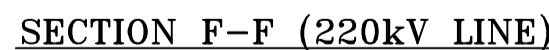










COMPUTER DRG. PATH NAME :

IGN. & DATE

12



1.	245 kV, 2000A, 3-PH CIRCUIT BREAKERS		02
2.	245kV, 2000 A, 3-PH DOUBLE BREAK ISOLATORS,WITHOUT EARTH SWITCH		06
3.	245kV, 2000 A, 3-PH DOUBLE BREAK ISOLATORS,WITH ONE EARTH SWITCH		02
4.	245 KV, 800-400-200/1A, 5C, 1-PH CURRENT TRANSFORMER		06
5.	198 kV, 1-PH SURGE ARRESTER		06
6.	220 kV, 6600 PF,1-PH COUPLING CAPACITOR		04
7.	220 kV, 1250A, 0.5mH, 1-PH WAVE TRAP		04
8.	220kV, 1-PHASE BUS POST INSULATOR		06




1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. MINIMUM CLEARANCE ARE AS PER SPECIFICATION:

	220KV
a) BETWEEN PHASES	2350MM
b) BETWEEN PHASE TO EARTH	2150MM
c) SECTIONAL CLEARANCE	4300MM
d) HEIGHT OF TUBE/COND. CENTER LINE OF FIRST LEVEL FROM GROUND LEVEL	5500MM

(a) HIGHEST SYSTEM VOLTAGE	245kV
(b) NOMINAL SYSTEM VOLTAGE	220kV
(c) LIGHTNING IMPULSE WITH STAND VOLTAGE	1050kVp
(d) SWITCHING IMPULSE WITH STAND VOLTAGE PHASE TO EARTH	—
(e) POWER FREQUENCY WITH STAND VOLTAGE	460kVrms
(f) MAX. FAULT LEVEL	40kA for 1 sec
(g) BUSBAR RATING	2000A
(h) SYSTEM EARTHING	EFFECTIVELY EARTHED
(i) NOMINAL CREEPAGE DISTANCE	6125MM

SECTION	CONDUCTOR
220KV MAIN BUS-I & MAIN BUS -II	QUAD MORCULLA WITH SUB CONDUCTOR SPACING 250mm.
220KV AUX. BUS	TWIN MORCULLA WITH SUB CONDUCTOR SPACING 250mm.
220KV LINE BAYS	SINGLE MORCULLA
220KV INCOMING LINES	SINGLE MOOSE

	PRESENT SCOPE
	CUSTOMER/FUTURE SCOPE
	SHIELD WIRE
	FENCE
	TENSION STRING INSULATOR
	SUSPENSION STRING INSULATOR
	COLUMN WITHOUT PEAK
	COLUMN WITH PEAK

REFERENCE DRG.				MSETCL DRG NO. TKP-II/400KV LAYOUT/015.1343																									
ADDITIONAL INFORMATION W.O.No. 89002				ब्राह्म/परियोजना का नाम MAHARASHTRA STATE ELECTRICITY TRANS CO. LTD.																									
STATUS OF DRAWING				NAME OF CUSTOMER/PROJECT 400/220 kV SUBSTATION AT KORADI-II																									
DISTRIBUTION OF PRINTS				<table><tr><td rowspan="3"></td><td>भारत हेवी इलेक्ट्रिकल्स लिमिटेड</td><td>किसका DRAWN</td><td>नाम /NAME</td><td>हस्ता /SIGN.</td><td>दि./DATE</td></tr><tr><td>भारतीय भारतीया परियोजना विभाग</td><td>जुगेंद्रा</td><td>JUGENDRA</td><td>-SD-</td><td>30.10.09</td></tr><tr><td>BHARAT HEAVY ELECTRICALS LTD. TRANSMISSION PROJECTS DIVISION</td><td>जुगेंद्रा CHECKED</td><td>MM/DS</td><td>-SD-</td><td>30.10.09</td></tr><tr><td></td><td></td><td>रजनीश्वरी APPROVED</td><td>SN</td><td>-SD-</td><td>30.10.09</td></tr></table>					भारत हेवी इलेक्ट्रिकल्स लिमिटेड	किसका DRAWN	नाम /NAME	हस्ता /SIGN.	दि./DATE	भारतीय भारतीया परियोजना विभाग	जुगेंद्रा	JUGENDRA	-SD-	30.10.09	BHARAT HEAVY ELECTRICALS LTD. TRANSMISSION PROJECTS DIVISION	जुगेंद्रा CHECKED	MM/DS	-SD-	30.10.09			रजनीश्वरी APPROVED	SN	-SD-	30.10.09
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REV.	DATE	ALTERED	JUGENDRA	रिमाना DEPT.	उत्पात / SCALE	कॉड कोड CARD CODE	दि./DATE																						
01	18.11.09	CHECKED APPROVED SN	MM/DS	कोड CODE	1 : 550		01																						
ZONE	DRAWING REVISED AS PER CUSTOMER COMMENTS DATED 23.10.2009.				शीट/क/TITLE	डाईंग क्र./DRAWING NO. TB-1-324-316-002E																							
				LAYOUT PLAN & SECTION FOR 220KV KHAPARKHEDA SUBSTATION (EXT.)		पृष्ठ क्र./SHEET No. 01	अगला पृष्ठ/NEXT SHEET -																						