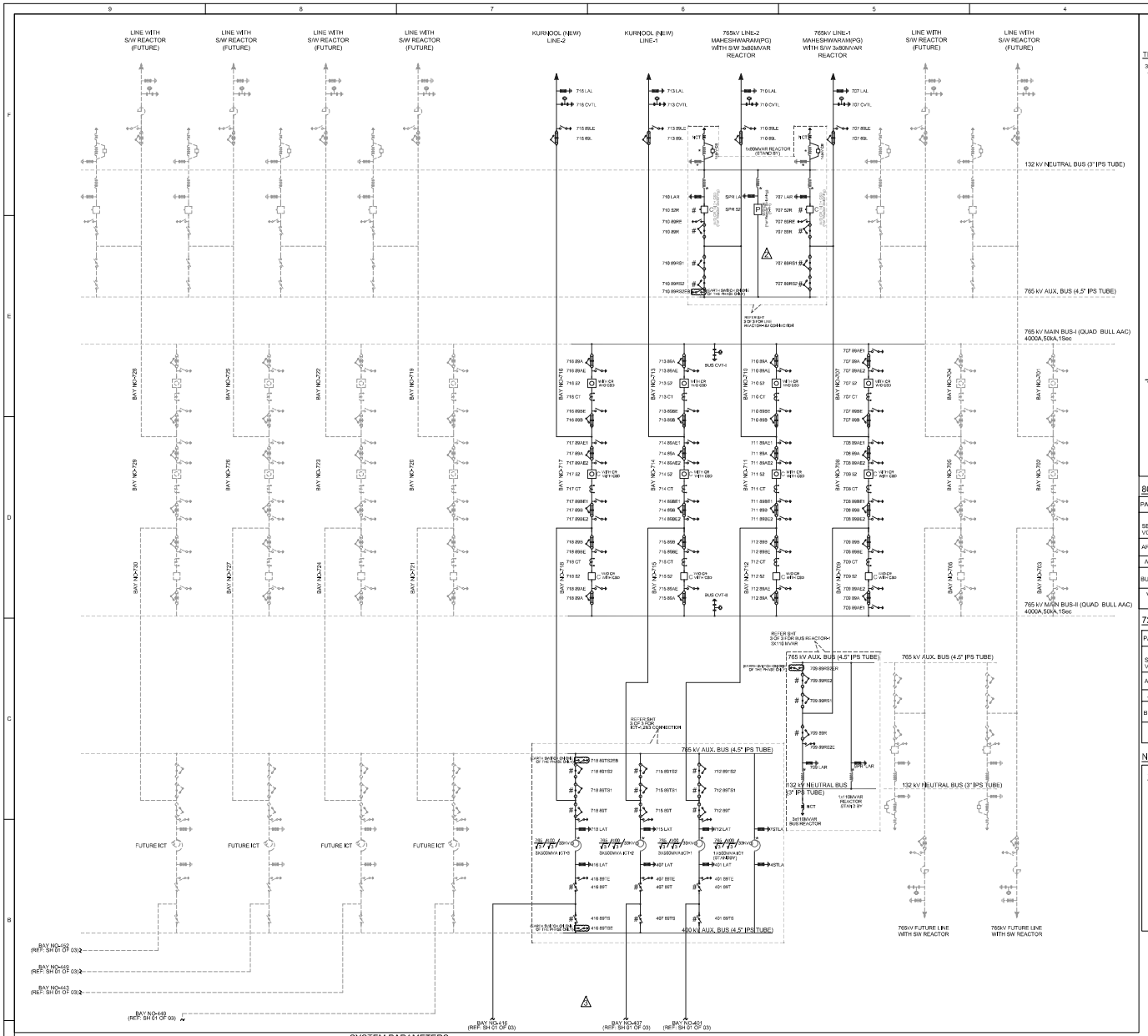
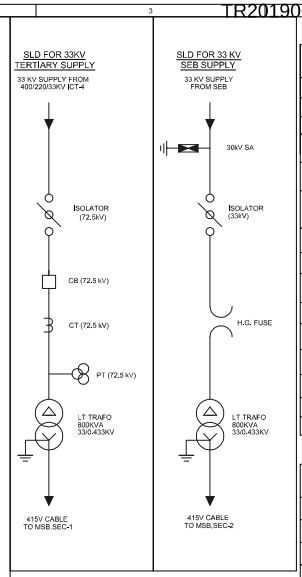




BILL OF QTY. FOR 765kV MAIN EQUIPMENTS:

SL.NO.	DESCRIPTION	UNIT	QUANTITY AS PER LOA	QUANTITY AS PER ACTUAL	SYMBOL	REMARKS
1	AUTO TRANSFORMER (1-PH) 500MVA, 765/√3 / 400/√3 / 33kV	NOS	10	10		OWNER'S SUPPLY
2	80MVAR, 765 LINE REACTOR (1-PH) (Including Spare Reactor)	NOS	07	07		- DO -
3	110MVAR, 765 BUS REACTOR (1-PH)	NOS	04	04		- DO -
4	765kV, 3150A, 50kA CIRCUIT BREAKER(3-PH) WITH CLOSING RESISTOR (With Support Structure)	EA	08	06		
5	765kV, 3150A, 50kA CIRCUIT BREAKER(3-PH) WITHOUT CLOSING RESISTOR (With Support Structure)	EA	06	04		
6	765 KV 3150 A, 50 KA 3 PH CIRCUIT BREAKER WITHOUT CLOSING RESISTOR WITH CONTROL SWITCHING SUITABLE FOR 1 PH (With Support Structure)	EA		02		
7	765kV, 3150A, 50kA SINGLE PHASE CIRCUIT BREAKER (With Support Structure)	EA	01	01	P	
8	CONTROLLED SWITCHING DEVICE FOR 765kV, 3-PH CIRCUIT BREAKER	EA	10	10	C	
9	765kV, 3000A, 50kA 1 PHASE CURRENT TRANSFORMER WITH 120% EXTENDED CURRENT RATING	EA	36	36		
10	765kV, 8800pF CAPACITIVE VOLTAGE TRANSFORMER(1-PH)	EA	18	18		
11	765kV, 3150A, 50kA, VERTICAL KNEE / DOUBLE BREAK ISOLATOR(3-PH) WITH 1 E/S	EA	18	18		
12	765kV, 3150A, 50kA VERTICAL KNEE / DOUBLE BREAK ISOLATOR(3-PH) WITH 2 E/S	EA	10	10		
13	765kV, 3150A, 50kA, VERTICAL KNEE / DOUBLE BREAK ISOLATOR(1-PH) WITH 1 E/S	EA	21	21		
14	765kV, 3150A, 50kA, VERTICAL KNEE / DOUBLE BREAK ISOLATOR(1-PH) WITHOUT E/S	EA	33	33		
15	624kV SURGE ARRESTER (1-PH)	EA	33	33		

BILL OF QTY. FOR 145kV & 33kV EQUIPMENTS(For NCT CONNECTION):

SL.NO.	DESCRIPTION	UNIT	QUANTITY AS PER LOA	QUANTITY AS PER ACTUAL	SYMBOL	REMARKS
1	145kV, 1250A, 31.5KA CIRCUIT BREAKER (1-PH) (With Support Structure)	EA	02	02		
2	132 KV SURGE ARRESTOR (1 PH)	EA	02	02		NOT IN TECHNO SCOPE OF SUPPLY
3	145 KV NGR	EA	02	02		NOT IN TECHNO SCOPE OF SUPPLY
4	33 kV CURRENT TRANSFORMER FOR 765kV REACTOR NEUTRAL ALONG WITH SUPPORT STRUCTURE & TERMINAL CONNECTOR	EA	03	03		
5	CURRENT TRANSFORMER (33KV) FOR TRANSFORMER NEUTRAL ALONG WITH SUPPORT STRUCTURE & TERMINAL CONNECTOR	EA	03	03		

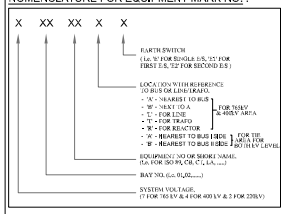
800kV, 8800pF CVT CORE DETAILS:

PARTICULARS	SECONDARY-1	SECONDARY-2	SECONDARY-3
RATED SECONDARY VOLTAGE (V)	110/√3	110/√3	110/√3
APPLICATION	PROTECTION	PROTECTION	METERING
ACCURACY	0.5/3P	0.5/3P	0.2
OUTPUT BURDEN(MIN)	50 VA	50 VA	50 VA
VOLTAGE RATIO	765 / 0.11 / √3 / √3	765 / 0.11 / √3 / √3	765 / 0.11 / √3 / √3

72.5kV VT CORE DETAILS:

PARTICULARS	SECONDARY-1	SECONDARY-2
RATED SECONDARY VOLTAGE (V)	110/√3	110/√3
APPLICATION	PROTECTION	METERING
ACCURACY	3P	0.5
OUTPUT BURDEN(MIN)	10 VA	10 VA
VOLTAGE RATIO	33/ 0.11 / √3 / √3	33 / 0.11 / √3 / √3

NOMENCLATURE FOR EQUIPMENT MARK NO. :



NOTE:

1) FOR DETAIL OF TRANSFORMER, REACTOR AREA PLEASE REFER RESPECTIVE SHEET(3 OF 3) AS MENTIONED.
2) 1-PHASE ISOLATORS HAVE BEEN USED FOR 765kV REACTORS AND 765/400kV AUTOTRANSFORMERS TO USE SPARE UNIT THROUGH ISOLATOR SWITCHES.
3) * MARKED EQUIPMENTS ARE NOT IN M/S TEECL'S SCOPE.
4) # MARKED EQUIPMENTS ARE INDIVIDUAL POLE OPERATED.

LEGENDS:

PRESENT SCOPE
FUTURE/EXISTING SCOPE
NOT IN SCOPE OF TEECL

BOQ FOR MAIN ITEMS(AT TERTIARY SIDE) :

SL.NO.	DESCRIPTION	UNIT	QUANTITY AS PER LOA	QUANTITY AS PER ACTUAL	SYMBOL	REMARKS
1	72.5kV, 1250A, 25kA, 3-PH CIRCUIT BREAKER WITH SUPPORT STRUCTURE	EA	01	01		
2	72.5kV, 630A, 25kA, 3-PH DOUBLE BREAK ISOLATOR WITHOUT E/S	EA	01	01		
3	72.5kV, 50A, 25kA, 1-PH CURRENT TRANSFORMER WITH 120% EXTENDED CURRENT RATING	EA	03	03	3	
4	72.5kV VOLTAGE TRANSFORMER(1-PH)	EA	03	03		
5	800kVA, 33/0.433kV, 3-PH LT TRANSFORMER	EA	01	01		

BOQ FOR MAIN ITEMS(AT LT AREA-SEB SUPPLY)

SL.NO.	DESCRIPTION	UNIT	QUANTITY AS PER LOA	QUANTITY AS PER ACTUAL	SYMBOL	REMARKS
1	36kV, 630A, 25kA, 3-PHASE HDB ISOLATOR WITHOUT E/S	EA	01	01		
2	30kV, SURGE ARRESTER (1-PH)	EA	03	03		
3	36kV, HORN GAP FUSE (1-PH)	EA	03	03		
4	800kVA, 33/0.433kV 3-PH LT TRANSFORMER	EA	01	01		

800 kV CT (3000A) CORE DETAILS (TABLE - IIA):

CORE NO	APPLICATION	CURRENT RATIO	OUTPUT BURDEN(VA)	ACCURACY CLASS	MIN. KNEE POINT VOLT. (V)	MAX. CT S.W.R (ohm)	MAX. EXCITING CURRENT AT KPV (mA)
01	BUS DIFFERENTIAL, CHECK	3000 / 2000 / 500 / 1	-	PX	3000 / 2000 / 500	15/ 10/ 2.5	20 on 3000/1 TAP 30 on 2000/1 TAP 120 on 500/1 TAP
02	BUS DIFFERENTIAL, MAIN	3000 / 2000 / 500 / 1	-	PX	3000 / 2000 / 500	15/ 10/ 2.5	20 on 3000/1 TAP 30 on 2000/1 TAP 120 on 500/1 TAP
03	METERING	3000 / 2000 / 500 / 1	20 20 20	0.2S	-	-	- - -
04	METERING	3000 / 2000 / 500 / 1	20 20 20	0.2S	-	-	- - -
05	TRANSF DIFF / LINE PROTECTION	3000 / 2000 / 500 / 1	-	PX	3000 / 2000 / 500	15/ 10/ 2.5	20 on 3000/1 TAP 30 on 2000/1 TAP 120 on 500/1 TAP
06	LINE PROTN / LBB PROTECTION	3000 / 2000 / 500 / 1	-	PX	3000 / 2000 / 500	15/ 10/ 2.5	20 on 3000/1 TAP 30 on 2000/1 TAP 120 on 500/1 TAP

NOTE : 1. PROTECTION CORES SHALL BE OF ACCURACY CLASS PX AS PER IEC 61869,
2. METERING CORE SHALL BE OF ACCURACY CLASS 0.2S AS PER IEC: 61869.

SYSTEM PARAMETERS:

SL No	DESCRIPTION	765KV	132KV	66KV	33KV
1.0	RATED VOLTAGE	765 KV	132 KV	66 KV	33 KV
2.0	HIGHEST SYSTEM VOLTAGE	800 KV rms	145 KV rms	72.5 KV rms	36 KV rms
3.0	RATED FREQUENCY	50 Hz	50 Hz	50 Hz	50 Hz
4.0	MAX. FAULT LEVEL (1 Sec.)	50 KA	40 KA	31.5 KA	25 KA
5.0	RATED 1 min POWER FREQ. WITHSTAND VOLTAGE	830 KV rms	275 KV rms	140 KV rms	70 KV rms
6.0	RATED SWITCHING IMPULSE VOLTAGE (DRY & WET)	1550 KVp	-	-	-
7.0	FULL WAVE IMPULSE WITHSTAND VOLTAGE	2100 KVp	650 KVp	325 KVp	170 KVp
8.0	MINIMUM CREEPAGE DISTANCE - EQUIPMENT	24800 mm	4495 mm	2248 mm	1116 mm
9.0	MINIMUM CREEPAGE DISTANCE - INSULATOR	24800 mm	4495 mm	2248 mm	1116 mm
9.0	SYSTEM EARTHING	EFFECTIVELY EARTH	EFFECTIVELY EARTH	EFFECTIVELY EARTH	EFFECTIVELY EARTH

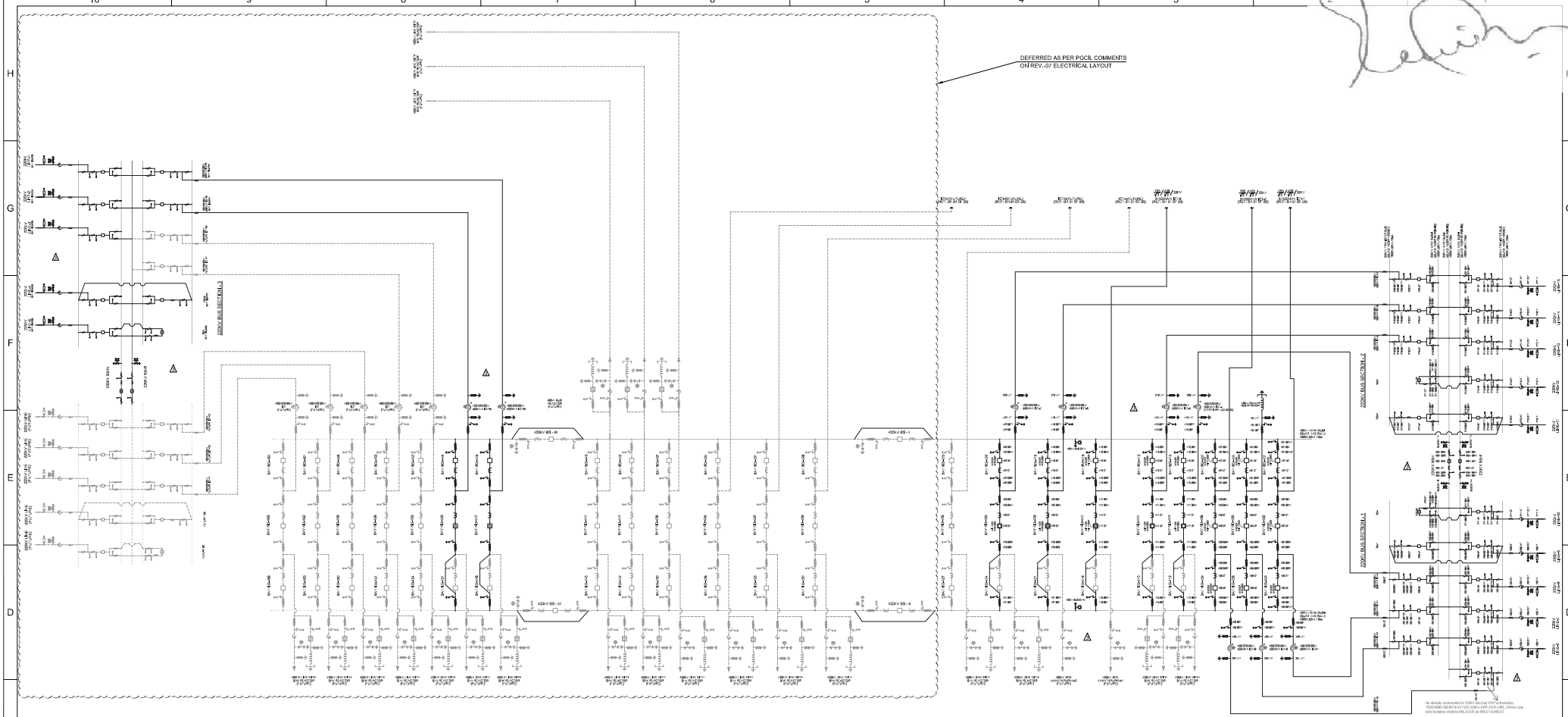
72.5kV CT (50A) CORE DETAILS : (TABLE-IIF) WITH 120% EXTENDED CURRENT RATING (FOR LT TRAFO)

CORE NO	APPLICATION	CURRENT RATIO	OUTPUT BURDEN(VA)	ACCURACY CLASS
01	OC & EF	50/1	10	5P10
02	METERING	50/1	10	0.5

⚠ REVISED AS PER MAIL DATED 25.04.24 AND DISCUSSION HELD ON DATED 09.05.24, 10.05.24 & 14.05.24 AND COMMENTED R-07 ELECTRICAL LAYOUT.

REV	DESCRIPTION	PREP.	CHKD.	APPD.	DATE
		SIGN.			
3	FOURTH SUBMISSION	A.M.	A.M.	B.S.	22.05.24
2	THIRD SUBMISSION	A.M.	A.M.	B.S.	16.01.24
1	SECOND SUBMISSION	A.M.	A.M.	B.S.	20.09.23
0	FIRST SUBMISSION	A.M.	A.M.	B.S.	10.07.23

CUSTOMER	POWER GRID CORPORATION OF INDIA LTD.
	TECHNO ELECTRIC & ENGG. CO. LTD.
NOA NO.	SUPPLY: CC/NT/W-AIS/DOM/A00/23/00332/NOA-1/23-103051/01,DATE:19.06.2023
	ERECTION: CC/NT/W-AIS/DOM/A00/23/00332/NOA-2/23-103051/02,DATE:19.06.2023
PROJECT	SUBSTATION PACKAGE-SS108: 765/400/220KV KURNOOL-III UNDER TRANSMISSION SCHEME FOR EVACUATION OF POWER FROM RE SOURCES IN KURNOOL WIND ENERGY ZONE (3000MW) / SOLAR ENERGY ZONE (1500 MW) PART A AND PART B.
SUBSTATION	765/400/220 KV KURNOOL-III (NEW) PS
DRG. TITLE	SWITCHYARD SINGLE LINE DIAGRAM
DRG. NO. :	TR201906-1001874-SS1120-SY-SLD
SCALE :	NTS JOB NO: 0791KU SHEET 1 OF 3



BILL OF QTY. FOR 400kV MAIN EQUIPMENTS: ⚠

SL.NO.	DESCRIPTION	UNIT	QUANTITY AS PER LOA	QUANTITY SUPPLY (DIRECTION AS PER SLD)	QUANTITY ERECTION AS PER SLD	SYMBOL	REMARKS
1	AUTO TRANSFORMER (3-PH) (500MVA, 400/220/33kV)	EA	09	09	07		QUANTITY SUPPLY
2	1250V/VA, 420kV, 3-PH BUS ACTUATOR SYSTEM(S) WITH PIOT CS	EA	01	01	01		
3	420kV, 3150A, 63kA CIRCUIT BREAKER(3-PH) WITH CLOSING RESISTOR (With Station Breaker)	EA	04	04	3		
4	420kV, 3150A, 63kA CIRCUIT BREAKER(3-PH) WITHOUT CLOSING RESISTOR (With Station Breaker)	EA	16	16	16		
5	CONTROLLED SWITCHING DEVICE FOR 420kV, 3-PH CIRCUIT BREAKER	EA	08	08	08	C	
6	420kV, 3000A, 63kA, 3-PH CURRENT TRANSFORMER (WITH 120 % EXTENDED CURRENT RATING	EA	66	66	57		
7	420kV, 4400pF CAPACITIVE VOLTAGE TRANSFORMER(1-PH)	EA	66	66	66		
8	420kV, 3150A, 63kA ISOLATOR (3-PH) (DOUBLE BREAK) WITH 1 ES	EA	57	57	49		
9	420kV, 3150A, 63kA ISOLATOR (3-PH) (DOUBLE BREAK) WITH 2 ES	EA	02	02	02		
10	420kV, 3150A, 63kA ISOLATOR (1-PH) (DOUBLE BREAK) WITHOUT ES	EA	10	10	10		
11	420kV, 3150A, 63kA ISOLATOR (1-PH) (DOUBLE BREAK) WITH 1 ES	EA	08	08	08		
12	336kV SURGE ARRESTER (1-PH)	EA	40	40	34		

BILL OF QTY. FOR 220kV MAIN EQUIPMENTS: ⚠

SL.NO.	DESCRIPTION	UNIT	QUANTITY AS PER LOA	QUANTITY SUPPLY (DIRECTION AS PER SLD)	QUANTITY ERECTION AS PER SLD	SYMBOL	REMARKS
1	220kV, 3150A, 50kA CIRCUIT BREAKER(3-PH) (TPO Switch Breaker)	EA	07	07	04		
2	220kV, 1600A, 50kA CIRCUIT BREAKER(3-PH) (TPO Switch Breaker)	EA	27	27	19		
4	220kV, 1600A, 50kA, 3-PH CURRENT TRANSFORMER (WITH 120 % EXTENDED CURRENT RATING	EA	01	01	57		
5	220kV, 2500A, 50kA, 3-PH CURRENT TRANSFORMER (WITH 150 % EXTENDED CURRENT RATING)	EA	21	21	12		
6	220kV, 440pF CAPACITIVE VOLTAGE TRANSFORMER(1-PH)	EA	63	63	42		
7	220kV, 3150A, 50kA ISOLATOR (3-PH) (DOUBLE BREAK) WITH 1 ES	EA	06	06	04		
8	220kV, 3150A, 50kA ISOLATOR (3-PH) (DOUBLE BREAK) WITH 2 ES	EA	08	08	04		
9	220kV, 1600A, 50kA ISOLATOR (3-PH) (DOUBLE BREAK) WITH 2 ES	EA	27	27	19		
10	220kV, 1600A, 50kA ISOLATOR (3-PH) (DOUBLE BREAK) WITH 1 ES	EA	27	27	19		
11	220kV, 1600A, 50kA TANDEM ISOLATOR (3-PH) (DOUBLE BREAK) WITHOUT ES	EA	91	91	39		
12	315kV SURGE ARRESTER (1-PH)	EA	72	72	51		
13	220kV, 1600A, 0.2 mH, 50kA LINE TRAP	EA	39	39	39		

420 kV CT (3000A) CORE DETAILS (TABLE - IIB):

CORE NO	APPLICATION	CURRENT RATIO	OUTPUT BURDEN(VA)	ACCURACY CLASS	KNEE POINT VOLT.(V)	MAX. CT SLVS (ohm)	MAX. EXISTING CURRENT AT KPV (mA)
01	BUS DIFFERENTIAL CHECK	3000 / 2000 / 1600 / 800 / 1	-	PX	3600 / 2600 / 1800 / 800	1Ω / 1Ω / 2.3Ω	20 on 3000/1 TAP 53 on 2000/1 TAP 130 on 1600/1 TAP
02	BUS DIFFERENTIAL MAIN	3000 / 2000 / 1600 / 800 / 1	-	PX	3600 / 2600 / 1800 / 800	1Ω / 1Ω / 2.3Ω	20 on 3000/1 TAP 53 on 2000/1 TAP 130 on 1600/1 TAP
03	METERING	3000 / 2000 / 1600 / 800 / 1	30/5	0.2S	-	-	-
04	METERING	3000 / 2000 / 1600 / 800 / 1	30/5	0.2S	-	-	-
05	TRANS. BACK-UP LINE PROTECTION	3000 / 2000 / 1600 / 800 / 1	-	PX	3600 / 2600 / 1800 / 800	1Ω / 1Ω / 2.3Ω	20 on 3000/1 TAP 53 on 2000/1 TAP 130 on 1600/1 TAP
06	TRANS. BACK-UP LINE PROTECTION	3000 / 2000 / 1600 / 800 / 1	-	PX	3600 / 2600 / 1800 / 800	1Ω / 1Ω / 2.3Ω	20 on 3000/1 TAP 53 on 2000/1 TAP 130 on 1600/1 TAP

NOTE: 1. PROTECTION CORES SHALL BE OF ACCURACY CLASS PX AS PER IEC 61869. 2. METERING CORE SHALL BE OF ACCURACY CLASS 0.2S AS PER IEC 61869.

220kV CT (1600A) CORE DETAILS : (TABLE-IIC)
WITH 120% EXTENDED CURRENT RATING (FOR LINE, ICT & TBC BAY) :

CORE NO	APPLICATION	CURRENT RATIO	OUTPUT BURDEN(VA)	ACCURACY CLASS	KNEE POINT VOLT.(V)	MAX. CT SLVS (ohm)	MAX. EXISTING CURRENT AT KPV (mA)
01	BUS DIFFERENTIAL CHECK	1600/800 / 1	-	PX	1600/800	8/4	25 on 1600/1 tap & 50 on 800/1 tap
02	BUS DIFFERENTIAL MAIN	1600/800 / 1	-	PX	1600/800	8/4	25 on 1600/1 tap & 50 on 800/1 tap
03	METERING	1600/800 / 1	30	0.2S	-	-	-
04	TRANS. BACK-UP LINE PROTECTION	1600/800 / 1	-	PX	1600/800	8/4	25 on 1600/1 tap & 50 on 800/1 tap
05	TRANS. BACK-UP LINE PROTECTION	1600/800 / 1	-	PX	1600/800	8/4	25 on 1600/1 tap & 50 on 800/1 tap

420kV, 4400pF CVT CORE DETAILS (TABLE-IIB)

PARTICULARS	SECONDARY-1	SECONDARY-2	SECONDARY-3
RATED SECONDARY VOLTAGE (V)	$110/\sqrt{3}$	$110/\sqrt{3}$	$110/\sqrt{3}$
APPLICATION	PROTECTION	PROTECTION	METERING
ACCURACY	3P	3P	0.2
OUTPUT BURDEN(VA)	50 VA	50 VA	50 VA
VOLTAGE RATIO	220/ $\sqrt{3}$ / 0.11/ $\sqrt{3}$ / 0.11/3	220/ $\sqrt{3}$ / 0.11/ $\sqrt{3}$ / 0.11/3	220/ $\sqrt{3}$ / 0.11/ $\sqrt{3}$ / 0.11/3

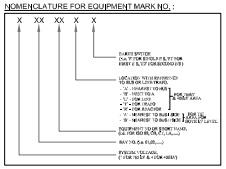
220kV CVT CORE DETAILS: (TABLE-IIC)

PARTICULARS	SECONDARY-1	SECONDARY-2	SECONDARY-3
RATED SECONDARY VOLTAGE (V)	$110/\sqrt{3}$	$110/\sqrt{3}$	$110/\sqrt{3}$
APPLICATION	PROTECTION	PROTECTION	METERING
ACCURACY	3P	3P	0.2
OUTPUT BURDEN(VA)	50 VA	50 VA	50 VA
VOLTAGE RATIO	220/ $\sqrt{3}$ / 0.11/ $\sqrt{3}$ / 0.11/3	220/ $\sqrt{3}$ / 0.11/ $\sqrt{3}$ / 0.11/3	220/ $\sqrt{3}$ / 0.11/ $\sqrt{3}$ / 0.11/3

220kV CT (2500A) CORE DETAILS :
WITH 150% EXTENDED CURRENT RATING (FOR BC & BS BAY) :

CORE NO	APPLICATION	CURRENT RATIO	OUTPUT BURDEN(VA)	ACCURACY CLASS	KNEE POINT VOLT.(V)	MAX. CT SLVS (ohm)	MAX. EXISTING CURRENT AT KPV (mA)
01	BUS DIFFERENTIAL CHECK	2500/1600 / 800/1	-	PX	1900/1600 / 800	12.5/8/4	15 on 2500/1 tap, 25 on 1600/1 tap & 50 on 800/1 tap
02	SPARE	2500/1600 / 800/1	-	PX	2500/1600 / 800	12.5/8/4	15 on 2500/1 tap, 25 on 1600/1 tap & 50 on 800/1 tap
03	METERING	2500/1600 / 800/1	30	0.2S	-	-	-
04	BUS DIFFERENTIAL CHECK	2500/1600 / 800/1	-	PX	2500/1600 / 800	12.5/8/4	15 on 2500/1 tap, 25 on 1600/1 tap & 50 on 800/1 tap
05	BUS DIFFERENTIAL CHECK	2500/1600 / 800/1	-	PX	2500/1600 / 800	12.5/8/4	15 on 2500/1 tap, 25 on 1600/1 tap & 50 on 800/1 tap

NOMENCLATURE FOR EQUIPMENT MARK NO. :



SYSTEM PARAMETERS:

SL. NO.	DESCRIPTION	400kV	220kV
1.0	RATED VOLTAGE	420 kV	220 kV
2.0	HIGHEST SYSTEM VOLTAGE	420 kV rms	245 kV rms
3.0	RATED FREQUENCY	50 Hz	50 Hz
4.0	MAX. FAULT LEVEL (1 SEC)	63 kA	50 kA
5.0	RATED 1-MIN POWER FREQ. WITHSTAND VOLTAGE	630 kV rms	460 kV rms
6.1	RATED SWITCHING IMPULSE WITHSTAND VOLTAGE (DRY & WET)	1050 KVp	-
7.0	FULL WAVE IMPULSE WITHSTAND VOLTAGE	1550 KVp	1050 KVp
8.0	MINIMUM CREEPAGE DISTANCE - EQUIPMENT	13020 mm	7595 mm
9.0	MINIMUM CREEPAGE DISTANCE - INSULATOR	13020 mm	7595 mm
10.0	SYSTEM EARTHING	EFFECTIVELY EARTH	EFFECTIVELY EARTH

NOTE:
1) FOR DETAIL OF TRANSFORMER, REACTOR AREA PLEASE REFER RESPECTIVE (I-SEAT) 3 OF 3) AS MENTIONED.
2) * MARKED EQUIPMENTS ARE NOT IN SITE SCOPE.

LEGENDS:
- PRESENT SCOPE
- FUTURE/EXISTING SCOPE
- NOT IN SCOPE OF THIS.

⚠ REVISED AS PER MAIL DATED 25.04.24 AND DISCUSSION HELD ON DATED 09.05.24, 10.05.24 & 14.05.24 AND COMMENTED R-07 ELECTRICAL LAYOUT.

REV	DESCRIPTION	PREP.	CHKD.	APPD.	DATE
3	FOURTH SUBMISSION	A.M.	A.M.	B.S.	22.05.24
2	THIRD SUBMISSION	A.M.	A.M.	B.S.	16.01.24
1	SECOND SUBMISSION	A.M.	A.M.	B.S.	20.09.23
0	FIRST SUBMISSION	A.M.	A.M.	B.S.	10.07.23
		SIGN.			

CUSTOMER	POWER GRID CORPORATION OF INDIA LTD.
	TECHNO ELECTRIC & ENGG. CO. LTD.
NOA NO.	SUPPLY: CC/NT/W-A8S/DOM/A00/23/00332/NOA-1/23-03051/01,DATE:19.06.2023
	ERECTION: CC/NT/W-A8S/DOM/A00/23/00332/NOA-2/23-03051/02,DATE:19.06.2023
PROJECT	SUBSTATION PACKAGE-SS108 765/400/220KV KURNOOL-III UNDER TRANSMISSION SCHEME FOR EVACUATION OF POWER FROM RE SOURCES IN KURNOOL WIND ENERGY ZONE (3000MW) / SOLAR ENERGY ZONE (1500 MW) PART A AND PART B.
SUBSTATION	765/400/220 KV KURNOOL-III (NEW) PS
DRG. TITLE	SWITCHYARD SINGLE LINE DIAGRAM
DRG. NO. :	TR201906-100187-4-SS1120-SY-SLD
SCALE :	NTS JOB NO: 0791KU SHEET 2 OF 3