FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM.)

DRG. NO. TB-3-395-510-001

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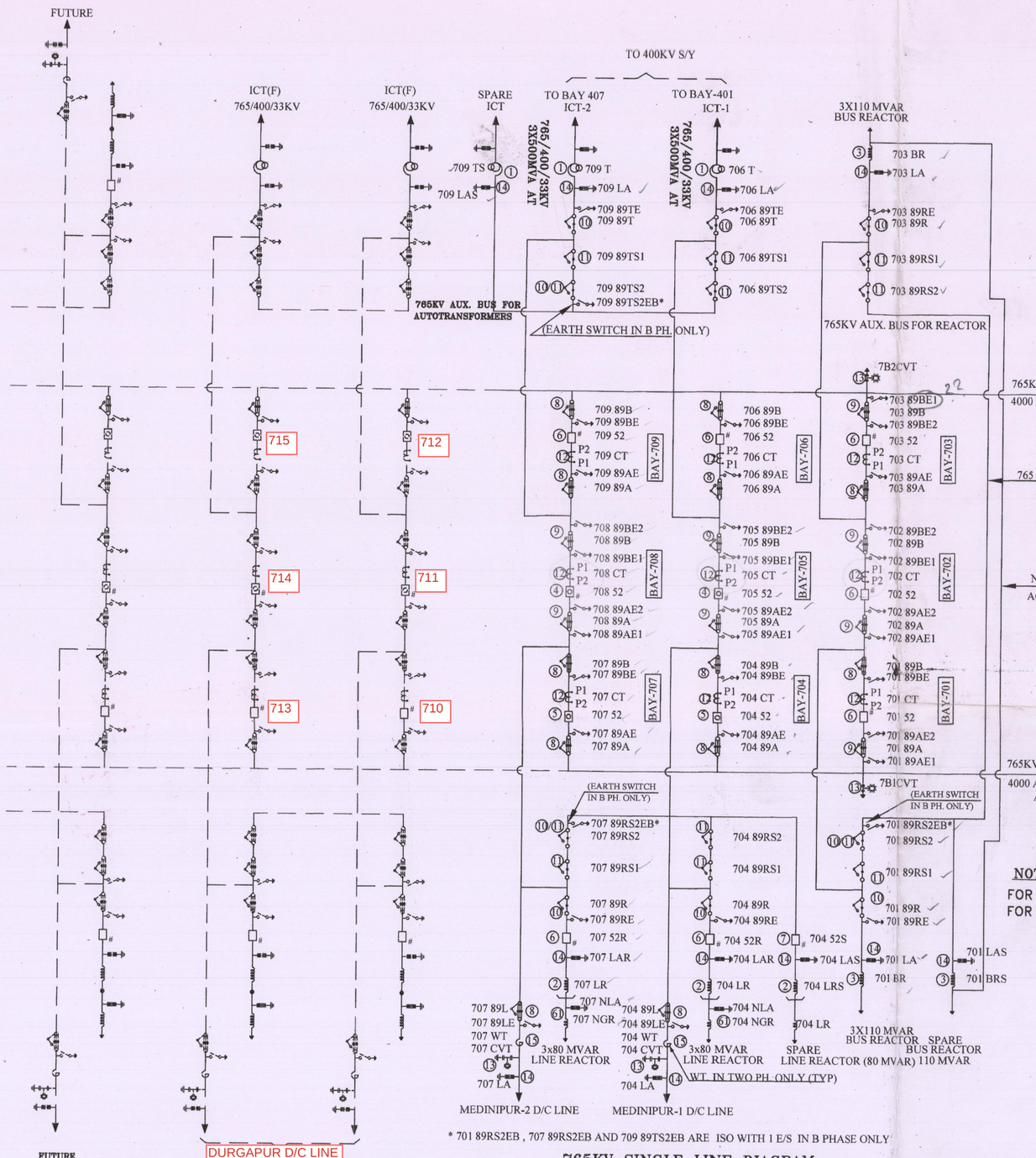

* 701 89RS2EB , 707 89RS2EB AND 709 89TS2EB ARE ISO WITH 1 E/S IN B PHASE ONLY

765KV SINGLE LINE DIAGRAM

BILL OF QTY. FOR 765kV MAIN EQUIPMENTS:

SL.NO.	DESCRIPTION	RATING	S. C. RATING	QTY. (NO.)	SYMBOL	SCOPE OF SUPPLY	LEGEND	MAKE
1	500 MVA, (1-PH) AUTOTRANSFORMER, YNa0d11	765/400/33KV	50 KA FOR 1 S.	7		PMJTL	T	TBEA
2	80MVAR LINE REACTOR (1-PH) WITH NGR(600 Ohm).	765KV	50 KA FOR 1 S.	7		PMJTL	LR/NGR	TBEA
3	110MVAR BUS REACTOR (1-PH)	765KV	50 KA FOR 1 S.	7		PMJTL	BR	TBEA
4	SF6 CIRCUIT BREAKER WITH CR, WITH CSD (3-PH)	3150A	50 KA FOR 1 S.	2		BHEL	52	MAKE TO BE INDICATED IN FINAL AS BUILT DRAWING
5	SF6 CIRCUIT BREAKER WITH CR,WITHOUT CSD (3-PH)	3150A	50 KA FOR 1 S.	2		BHEL	52	
6	SF6 CIRCUIT BREAKER WITHOUT CR,WITH CSD (3-PH)	3150A	50 KA FOR 1 S.	7		BHEL	52	
7	SF6 CIRCUIT BREAKER WITHOUT CR,WITH CSD (1-PH) PROVISION	3150A	50 KA FOR 1 S.	1		BHEL	52	
8	ISOLATOR WITH ONE E/SW (3 PH) VERTICAL KNEE TYPE	3150A	50 KA FOR 1 S.	12		BHEL	89/89E	
9	ISOLATOR WITH TWO E/SW (3 PH) VERTICAL KNEE TYPE	3150A	50 KA FOR 1 S.	8		BHEL	89/89E1 /89E2	
10	ISOLATOR WITH ONE E/SW (1 PH) VERTICAL KNEE TYPE	2000A	50 KA FOR 1 S.	21		BHEL	89/89E1	
11	ISOLATOR WITHOUT E/SW (1 PH.) VERTICAL KNEE TYPE	2000A	50 KA FOR 1 S.	33		BHEL	89	
12	CURRENT TRANSFORMER (1 PH.) WITH 120% EXTENDED CURRENT RATING.	3000A	50 KA FOR 1 S.	27		BHEL	CT	
13	CVT (1 PH.)	8800pF		12		BHEL	CVT	
14	SURGE ARRESTER (1 PH.)	624 kV		27		BHEL	LA	
15	WAVE TRAP (1 PH.) PEDESTAL TYPE.	1mH, 3150A	50 KA FOR 1 S.	04		BHEL	WT	

BILL OF QTY. FOR 132 & 33kV MAIN EQUIPMENTS:

SL.NO.	DESCRIPTION	RATING	QTY. (NO.)	SYMBOL	SCOPE OF SUPPLY	LEGEND
61	SURGE ARRESTER (1 PH.)	132 kV, 10 KA 5 KJ/KV	2		PMJTL	NLA
62	NEUTRAL CT. (1 PH.) WITH 120% EXTENDED CURRENT RATING.	33KV	4		BHEL	NCT

NOTE:

FOR AUX BUS ARRANGEMENT DETAILS FOR ICT, REFER DRG . NO. TB-3-395-510-012A
FOR AUX BUS ARRANGEMENT DETAILS FOR LINE REACTOR & BUS REACTOR, REFER DRG. NO. TB-3-395-510-011A

श्रीलंका: Cat I
I. फेब्रीकेशन / निर्माण / हेतु अनुमोदित / जारी।
II. फेब्रीकेशन / निर्माण / हेतु अनुमोदित / जारी। वर्तमें की गई टिप्पणियों एवं आशोधनों को सम्मिलित किया जाए। कृपया आशोधित दस्तावेज अनुमोदनार्थ प्रस्तुत करें।
III. किप्पणियाँ सम्मिलित कर पुनः अनुमोदनार्थ प्रस्तुत करें।
IV. सूचनार्थ एवं रिकार्ड हेतु।
V. अनुमोदित नहीं।
पॉवर ग्रिड कारपोरेशन ऑफ इंडिया लि.
अभियांत्रिकी (उपकेन्द्र) गुड़गाँव, हरियाणा

NOA NO. : MJTL/765kV/ERSS-XVIII/SS01/NOA-I/03(I) & NOA-II/03(II) dated 29.09.2017

ADDITIONAL INFORMATION
W.O.No. 87003

STATUS OF DRAWING CONTRACT

DISTRIBUTION OF PRINTS

ग्राहक/परियोजना का नाम
NAME OF CUSTOMER/PROJECT: POWERGRID MEDINIPUR JEERAT TRANSMISSION LIMITED
NAME OF CONSULTANT: POWERGRID CORPORATION OF INDIA LIMITED

SUBSTATION PACKAGE-SS01 FOR ESTABLISHMENT OF 765/400KV S/S AT MEDINIPUR & JEERAT (NEW) ASSOCIATED WITH TRANSMISSION SYSTEM PROJECT "765kV STRENGTHENING IN EASTERN REGION(ERSS-XVIII)" UNDER TARIFF BASED COMPETITIVE BIDDING (TBCB) ROUTE.

BHEL भारत हेवी इलेक्ट्रिकल्स लिमिटेड
ट्रांसमिशन परियोजना विभाग
BHARAT HEAVY ELECTRICALS LTD.
TRANSMISSION PROJECTS DIVISION

	नाम /NAME	हस्ता./SIGN.	दि./DATE
बनाया DRAWN	PK		23.11.15
जाँचा CHECKED	MM/RD		
स्वीकृत APPROVED	DKM/VK		

विभाग DEPT. TBEM
कोड CODE
अनुपात / SCALE NTS
कार्ड कोड CARD CODE

शीर्षक/TITLE
SINGLE LINE DIAGRAM
FOR 765/400kV JEERAT S/S.

ड्राईग.क./DRAWING NO. TB-3-395-510-001
पुनः/REV. 02
पृष्ठ क./SHEET No. 01
अगला पृष्ठ /NEXT SHEET 02

REV.	DATE	ALTERED / CHECKED / APPROVED	ZONE
02	31.03.18	PK / MM/RD / DKM/VK	DRG REVISED AS PER PGCIL COMMENTS DATED 26.12.17
01	15.11.17	PK / MM/RD / DKM/VK	DRG REVISED AS PER PGCIL COMMENTS DATED 01.11.17

COMPUTER DRG. PATH NAME :
REF. DRG. NO.
SIGN. AND DATE
INVENTORY NO