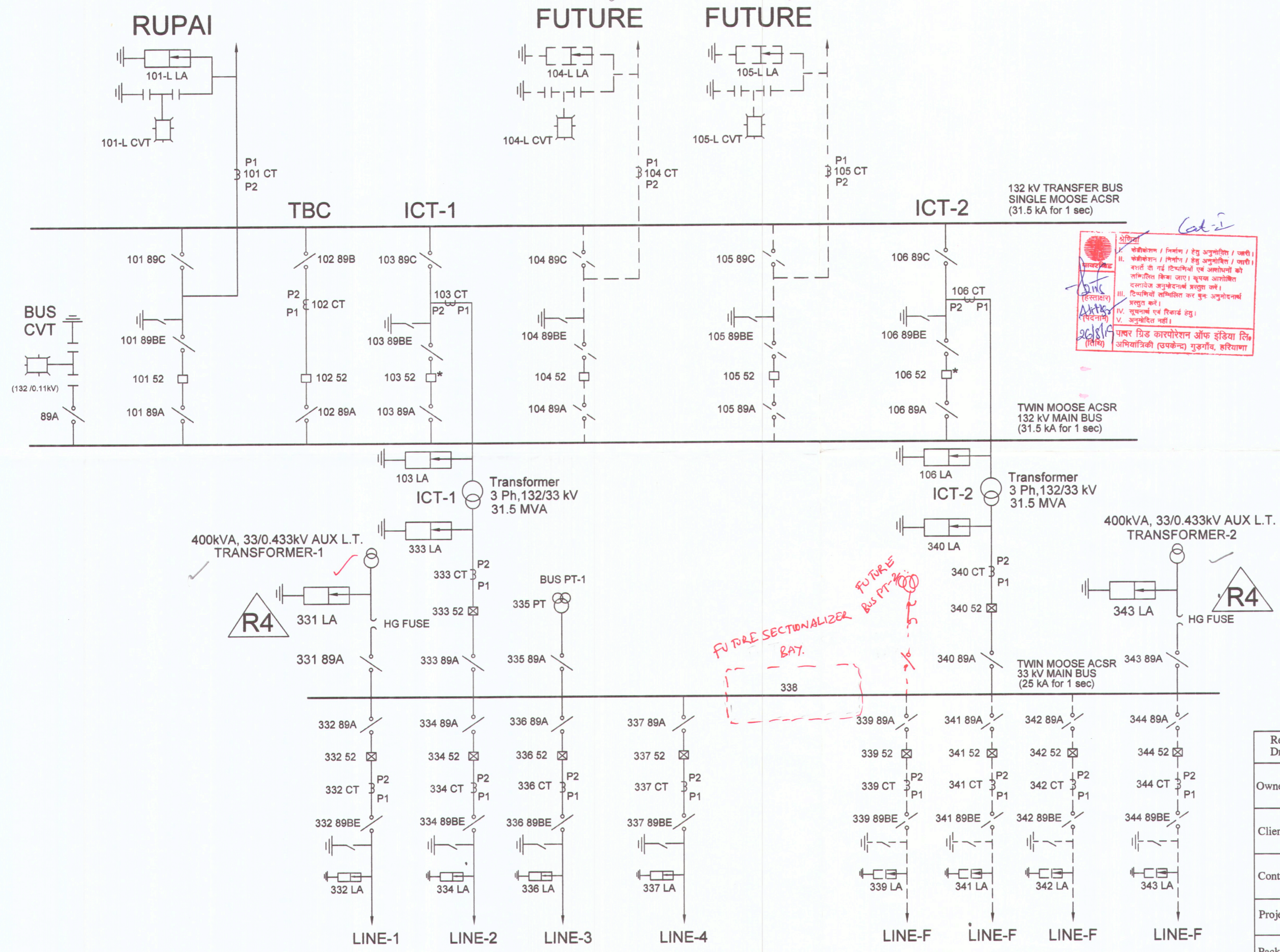


# SINGLE LINE DIAGRAM



**132 kV BOQ**  
(FAULT LEVEL: 31.5 kA for 1 sec)

SYMBOL	DESCRIPTION	QTY	NOMENCLATURE
	132/33 kV, 31.5 MVA, 3-Ph Transformer	2	-----
	145 kV, 1250 A, SF6 CIRCUIT BREAKER (gang operated with support Structure)	2	10Bay no 52
	145 kV, 1250 A, SF6 CIRCUIT BREAKER (suitable for 1-phase and 3-phase A/R) (with support Structure)	2	10Bay no 52
	145 kV, 1250 A ISOLATOR W/O E/S	6	10Bay no 89
	145 kV, 1250 A ISOLATOR TANDEM	3	10Bay no 89iso noE
	145 kV, 1250 A ISOLATOR WITH ONE E/S	3	10Bay no 89iso noE
	145 kV, CURRENT TRANSFORMER, 1Ph 150A, 31.5kA, WITH 120% EXTENDED RATING	6	10Bay no CT
	145 kV, CURRENT TRANSFORMER, 1Ph 600A, 31.5kA, WITH 120% EXTENDED RATING	6	10Bay no CT
	145 kV, 8800pF 132/0.110 kV CVT, 1Ph	6	10Bay no-L CVT
	120kV SURGE ARRESTER, 1Ph	9	10Bay no-L LA

**33 kV BOQ**  
(FAULT LEVEL: 25 kA for 1 sec)

SYMBOL	DESCRIPTION	QTY	NOMENCLATURE
	36kV, 1250A, SF6 CIRCUIT BREAKER (3Ph) with support Structure	6	33Bay 52
	36 kV, CURRENT TRANSFORMER, 1Ph, 1000A, 25KA, WITH 120% EXTENDED RATING	6	33Bay no CT
	36 kV, CURRENT TRANSFORMER, 1Ph, 400A, 25KA, WITH 120% EXTENDED RATING	12	33Bay no CT
	36 kV, POTENTIAL TRANSFORMER	3	33Bay no PT
	36 kV, 1250A ISOLATOR WITH ONE E/S	4	33Bay no 89iso noE
	36 kV, 1250A ISOLATOR WITHOUT E/S 3Ph	6	33Bay no 89
	36 kV, 630A ISOLATOR WITHOUT E/S 3Ph	3	33Bay no 89
	30 kV SURGE ARRESTER, 1Ph	24	33Bay no LA
	400 kVA LT TRANSFORMER 33/0.433 kV	2	-----
	36kV HORN GAP FUSE(1Ph)	6	-----

BAY NUMBER	1,2,3,.....
EQUIPMENT NUMBER	A,B,C,....
LINE	L

Cat-2

पंजीकृत / निम्न / हेतु अनुमोदित / जारी।  
 II. कर्मचारी / निम्न / हेतु अनुमोदित / जारी।  
 कर्मचारी से गैर टिप्पणियों एवं अज्ञानियों को सम्बन्धित किया जाए। सूचना आयोगित दस्तावेज अनुसंधानकर्ता प्रस्तुत करें।  
 III. टिप्पणियों सम्बन्धित कर एक अनुमोदक प्रस्तुत करें।  
 IV. सुचना एवं रिपोर्ट हेतु।  
 V. अनुमोदित नहीं।

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड (विशेष)

**NOTE :-**  
 1. As per CEA MOM Date-30/05/2019  
 2nd, 3-phase 31.5MVA, 132/33kV Transformer shall be installed with 132kV & 33kV Bay.

**LEGEND**

	UNDER PRESENT SCOPE
	FUTURE SCOPE

Revision :	R4
Drawn by :	J.SARMA
Checked by :	GAUTAM
Approved by :	BHOJRAJ
Scale :	NTS
Issue Date :	09-08-2019

Reference Drawing:	FOR APPROVAL
Owner :	ASSAM ELECTRICITY GRID CORPORATION LTD.
Client :	POWER GRID CORPORATION OF INDIA LIMITED (A Government of India Enterprise)
Contractor :	NECCON POWER & INFRA LTD. A.T ROAD , JORHAT (ASSAM)
Project Title :	NER Power System Improvement Project, (Assam)
Package Name:	ASM-SS-02
NOA No.:	CC-CS/94-NER/SS-2671/1/G3/NOA-I/6901;dated: 12.08.2016 (Supply) CC-CS/94-NER/SS-2671/1/G3/NOA-II/6902;dated: 12.08.2016 (Service)
Sub Station:	132/33 kV CHAPAKHOWA (NEW) S/s
Drg.Title :	SINGLE LINE DIAGRAM
Drg. No :	NECCON/PGCIL/SS-02/CHAPAKHOWA/SLD/01
Sheet:	1 OF 1