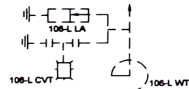
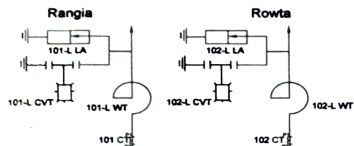


The image contains two schematic diagrams of power plant components. The left diagram, labeled 'Rangia', shows a circuit with a 101-L LA (Line Assembly) connected to a 101-L CVT (Control Valve Transducer), which is then connected to a 101-L WT (Water Turbine). A 101 CT (Current Transformer) is also shown. The right diagram, labeled 'Rowta', shows a similar circuit with a 102-L LA, 102-L CVT, 102-L WT, and 102 CT.



SYMBOL	DESCRIPTION	QTY	NOMENCLATURE
	120V 5W 250V 5% Transformer	2	
	145 V 1250 A 5% GRCUT BREAKER (5% SPARE)	2	10bay no 82
	145 V 1250 A 5% GRCUT BREAKER (5% SPARE)	2	10bay no 82
	145 V 1250 A ISOLATOR TANGEM	6	10bay no 86
	145 V 1250 A ISOLATOR WITH ONE CIRCUIT	4	10bay no 86no 86
	145 V CURRENT TRANSFORMER	6	10bay no CT
	145 V CURRENT TRANSFORMER WITH 10% SPARE	6	10bay no CT
	145 V 1000V 1250 150 V CTV. 17% CABLE	6	10bay no CTV
	1200V BUREL APPEL 17%	12	10bay no WT
	1450V 2 core 17% TRAP. 17%	2	10bay no-LT

SYMBOL	DESCRIPTION	QTY	DESCRIPTION
	30KV 1250A AIR CIRCUIT BREAKER (SPN)	1	33051 SG
	30KV 2000A AIR CIRCUIT BREAKER (SPN)	1	33052 SG
	30 KV CURRENT TRANSFORMER, 1000/5A (30KV/1000A/5A)	3	33053 NY CT
	30 KV CURRENT TRANSFORMER, 1000/5A (30KV/1000A/5A)	3	33054 NY CT
	30 KV CURRENT TRANSFORMER, 1000/5A (30KV/1000A/5A)	15	33055 NY CT
	30 KV POTENTIAL TRANSFORMER	3	33056 NY PT
	30 KV, 1250A ISOLATOR WITH ONE END	2	33057 NY 6000A rct
	30 KV, 1250A ISOLATOR WITH ONE END	2	33058 NY 6000A rct
	30 KV, 1250A ISOLATOR WITHOUT END	3	33059 NY 6000A rct
	30 KV, 1250A ISOLATOR WITHOUT END	3	33060 NY 6000A rct
	30 KV, 1250A ISOLATOR WITHOUT END	3	33061 NY 6000A rct
	30 KV SURGE ARRESTER, 17KV	24	33062 NY LA
	400V AC 15A FUSE	2	33063 NY LA
	30KV HORN GAP FUSE(17KV)	1	33064 NY LA

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

* Subject to incorporation of AECU comments (if any)

Reference Drawing No.	FOR APPROVAL
Owner :	Assam Electricity Grid Corporation Limited
Consultant :	POWER GRID CORPORATION OF INDIA LIMITED (A Government of India Enterprise)
Contractor :	NECCON POWER & INFRA. LTD. A.T. ROAD , KOKRAJAT (ASSAM)
Project Title :	NER Power System Improvement Project in Assam
Package Name :	ASM-SS-03
Substation :	TANGLA(New) 132/33V
NDA No.:	CC-C504-NER/SS-26/2/CLINDIA-49903/Sheet dated 12.08.2016 (Supply) CC-C504-NER/SS-26/2/CLINDIA-49904/Sheet dated 12.08.2016 (Service)
Dwg. Title :	SINGLE LINE DIAGRAM
Dwg. No.:	NECCON/PGCIL/TANGLA/SLD/008
Sheet :	1 OF 1

Revision :	R1		
G.DAS	Y AGARWAL	A.C.SHARMA	07/12/2016
Drawn by :	Checked by :	Approved by :	Issue Date

Sheet:	1 OF 1
--------	--------

_____ UNDER PRESENT SCOPE
- - - - - FUTURE

_____ UNDER PRESENT SCOPE
- - - - - FUTURE


 Approved / Released for Fabrication
 Construction.
 Approved / Released for Fabrication
 Construction Subject to the approval
 of Competent Engineering Officer.
 Revised Drawing Required.
 To be Resubmitted for Approval on -
 Incorporation of the Comments.
 For Information & Records.
 Not approved.

Power Grid Corporation of India Ltd.
 100, Ring Road, New Delhi, India.