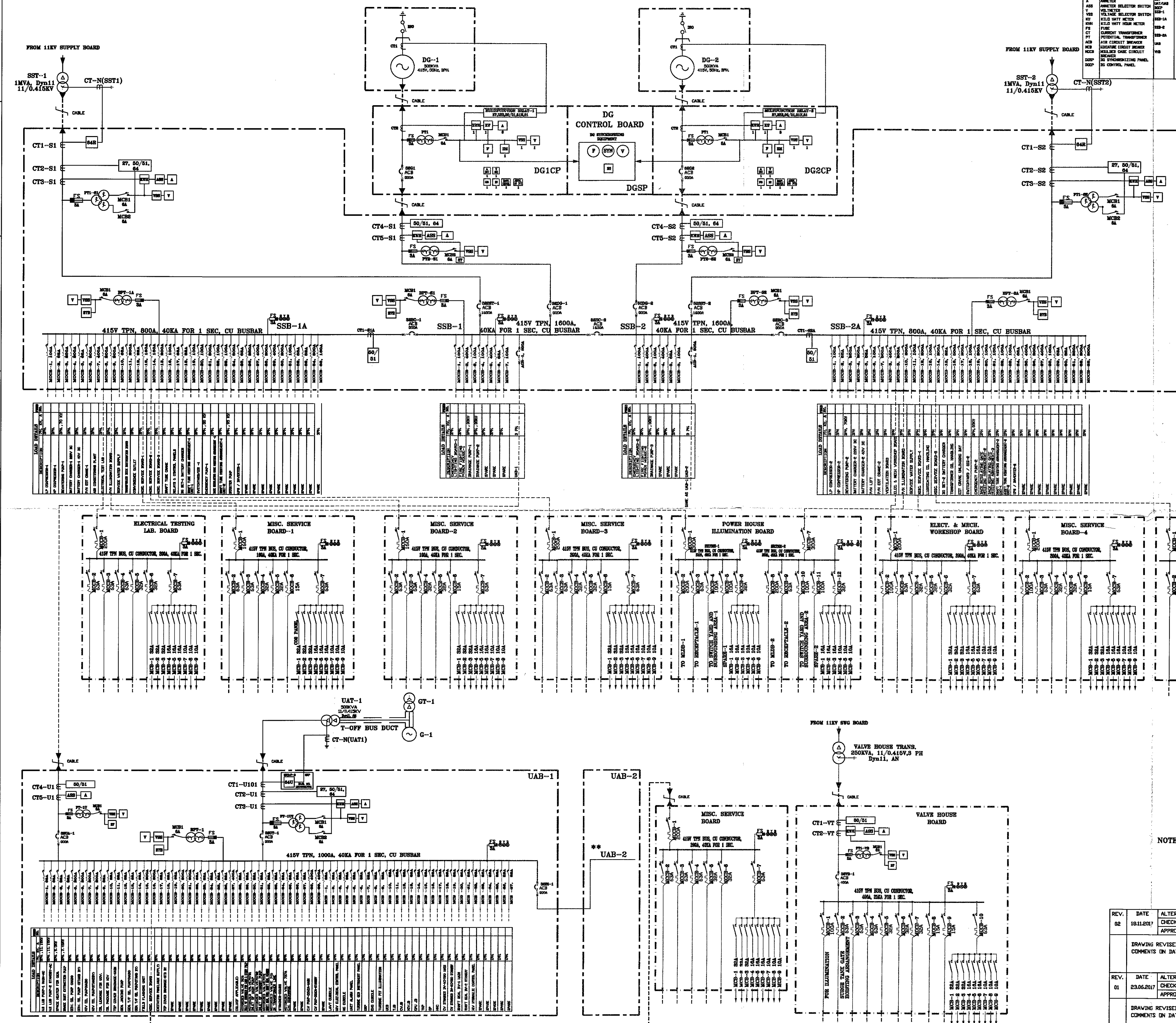


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SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
1	AMMETER	11	UNDER VOLTAGE (INCH) RELAY
2	AMMETER SELECTOR SWITCH	12	UNDER VOLTAGE (INCH) RELAY
3	VOLTAGE SELECTOR SWITCH	13	UNDER VOLTAGE (INCH) RELAY
4	WATT METER	14	UNDER VOLTAGE (INCH) RELAY
5	WATT METER	15	UNDER VOLTAGE (INCH) RELAY
6	WATT METER	16	UNDER VOLTAGE (INCH) RELAY
7	WATT METER	17	UNDER VOLTAGE (INCH) RELAY
8	WATT METER	18	UNDER VOLTAGE (INCH) RELAY
9	WATT METER	19	UNDER VOLTAGE (INCH) RELAY
10	WATT METER	20	UNDER VOLTAGE (INCH) RELAY

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
21	UNDER VOLTAGE (INCH) RELAY	31	UNDER VOLTAGE (INCH) RELAY
22	UNDER VOLTAGE (INCH) RELAY	32	UNDER VOLTAGE (INCH) RELAY
23	UNDER VOLTAGE (INCH) RELAY	33	UNDER VOLTAGE (INCH) RELAY
24	UNDER VOLTAGE (INCH) RELAY	34	UNDER VOLTAGE (INCH) RELAY
25	UNDER VOLTAGE (INCH) RELAY	35	UNDER VOLTAGE (INCH) RELAY
26	UNDER VOLTAGE (INCH) RELAY	36	UNDER VOLTAGE (INCH) RELAY
27	UNDER VOLTAGE (INCH) RELAY	37	UNDER VOLTAGE (INCH) RELAY
28	UNDER VOLTAGE (INCH) RELAY	38	UNDER VOLTAGE (INCH) RELAY
29	UNDER VOLTAGE (INCH) RELAY	39	UNDER VOLTAGE (INCH) RELAY
30	UNDER VOLTAGE (INCH) RELAY	40	UNDER VOLTAGE (INCH) RELAY

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
41	UNDER VOLTAGE (INCH) RELAY	51	UNDER VOLTAGE (INCH) RELAY
42	UNDER VOLTAGE (INCH) RELAY	52	UNDER VOLTAGE (INCH) RELAY
43	UNDER VOLTAGE (INCH) RELAY	53	UNDER VOLTAGE (INCH) RELAY
44	UNDER VOLTAGE (INCH) RELAY	54	UNDER VOLTAGE (INCH) RELAY
45	UNDER VOLTAGE (INCH) RELAY	55	UNDER VOLTAGE (INCH) RELAY
46	UNDER VOLTAGE (INCH) RELAY	56	UNDER VOLTAGE (INCH) RELAY
47	UNDER VOLTAGE (INCH) RELAY	57	UNDER VOLTAGE (INCH) RELAY
48	UNDER VOLTAGE (INCH) RELAY	58	UNDER VOLTAGE (INCH) RELAY
49	UNDER VOLTAGE (INCH) RELAY	59	UNDER VOLTAGE (INCH) RELAY
50	UNDER VOLTAGE (INCH) RELAY	60	UNDER VOLTAGE (INCH) RELAY

RELAYS TYPE :-	DESCRIPTION	TYPE
1	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
2	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
3	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
4	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
5	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
6	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
7	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
8	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
9	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
10	UNDER VOLTAGE (INCH) RELAY	NUMERICAL

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8	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
9	UNDER VOLTAGE (INCH) RELAY	NUMERICAL
10	UNDER VOLTAGE (INCH) RELAY	NUMERICAL

NOTE:-
1. ENERGY METER SHALL HAVE ACCURACY CLASS OF MINIMUM 0.2%.
2. ** SAME AS UAB-1 EXCEPT THE BREAKER 52B1-1.

APPROVED

SANJAY JOSHI
Dy. General Manager (E&M Design-I)
UJVN Limited, Ganga Bhawan
Yamuna Colony, Dehradun-248001

UJVN LIMITED

BHARAT HEAVY ELECTRICALS LTD.
BHOPAL, INDIA
(A GOVT OF INDIA UNDERTAKING)

PROJECT

2 x 60 MW - VIJAY HYDROELECTRIC PROJECT, UTTARAKHAND

TITLE

SINGLE LINE DIAGRAM
FOR 415V AC SUPPLY SYSTEM

DWG. NO.

12900057003

REV. 02

DATE 18.11.2017

ALTERED

CHECKED

APPROVED

WASH

WAS

WAS

REV. 01

DATE 23.06.2017

ALTERED

CHECKED

APPROVED

WASH

WAS

WAS

COMMENTS

DRAWING REVISED AS PER UJVN COMMENTS ON DATED 15.11.2017

COMMENTS

DRAWING REVISED AS PER UJVN COMMENTS ON DATED 09.06.2016

NAME

SIGN

DATE

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PS 04.15

PS 04.15

DATE

18.11.2017

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23.06.2017

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