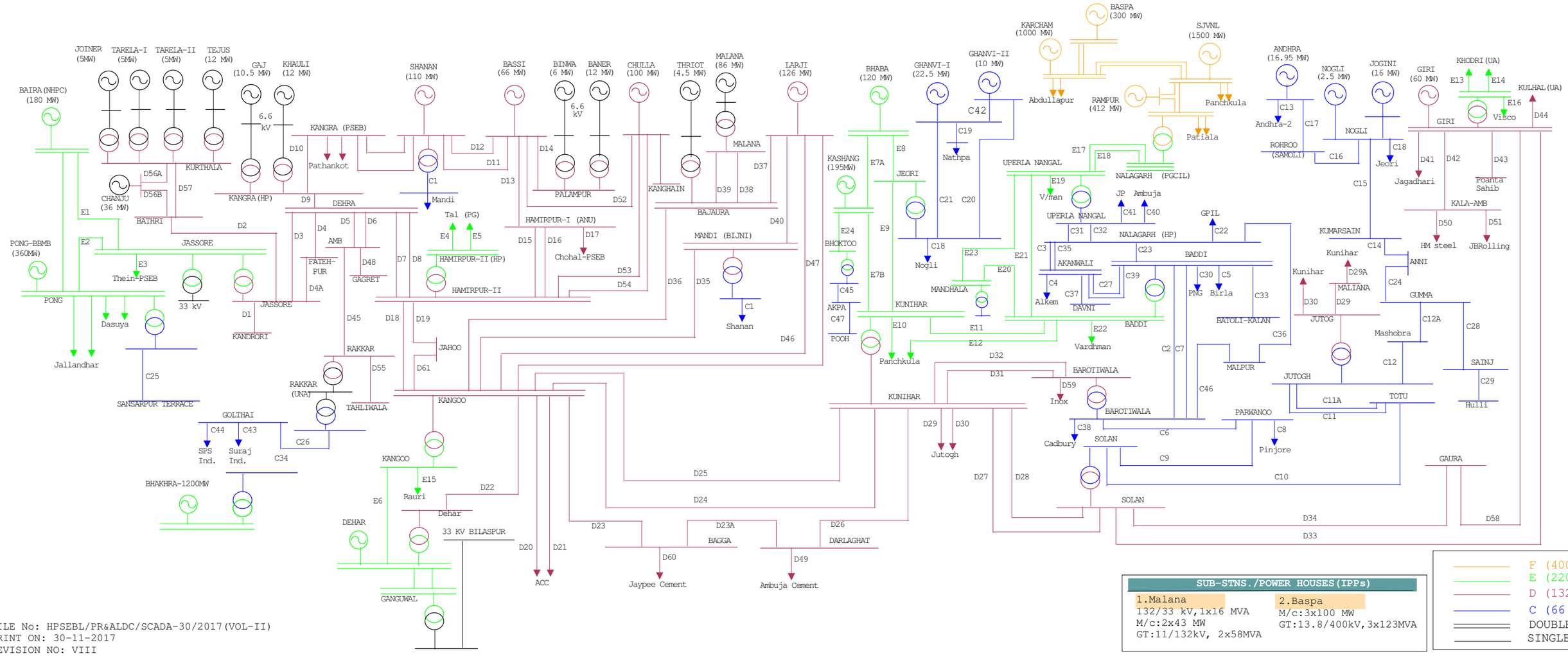
SINGLE LINE NETWORK DIAGRAM OF HPSEBL (66KV and above)

AS ON: 30-11-2017



FILE No: HPSEBL/PR&ALDC/SCADA-30/2017(VOL-II)
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SUB-STNS./POWER HOUSES(IPPs)

1.Malana
132/33 kV,1x16 MVA
M/c:2x43 MW
GT:11/132kV, 2x58MVA

2.Baspa
M/c:3x100 MW
GT:13.8/400kV,3x123MVA

F (400 kV)
E (220 kV)
D (132 kV)
C (66 kV)
DOUBLE BUS
SINGLE BUS

Line code	Length km.	Line code	Length km.	Line code	Length km.	Line code	Length km.	Line code	Length km.	Line code	Length km.
E1	57.00	TOTAL	793.896	D23	016.205	D42	31.960	C1	35.00	C23	016.739
E2	040.00	D1	024.234	D23A	013.563	D43	16.390	C2	03.820	C24	040.304
E3	025.602	D2	038.480	D24	046.00	D44	017.60	C3	14.507	C25	006.40
E4	9.50	D3	060.639	D25	047.039	D45	031.322	C4	0.425	C26	15.980
E5	9.50	D4	060.639	D26	022.301	D46	055.83	C5	1.740	C27	10.172
E6	03.177	D4A		D27	022.00	D47	055.83	C6	017.210	C28	21.029
E7A	37.000	D5	027.491	D28	020.00	D48	7.80	C7	03.256	C29	009.992
E7B	167.9	D6	027.491	D29	020.00	D49	1.918	C8	008.230	C30	02.40
E8	024.70										
E9	106.72	D7	043.113	D29A	030.00	D50	0.080	C9	018.50	C31	3.510
E10	67.5	D8	043.113	D30	015.750	D51	0.043	C10	025.27	C32	3.510
E11	031.091	D9	029.935	D31	026.03	D52	15.000	C11	01.555	C33	02.00
E12	042.764	D10	00.135	D32	026.03	D53	35.699	C11A	01.555	C34	1.813
E13	035.06	D11	005.25	D33	063.99	D54	35.699	C12	012.527	C35	014.507
E14	035.06	D12	005.25	D34	20.662	D55	16.949	C12A	02.962	C36	019.995
E15	024.115	D13	049.75	D35	060.70	D56A	17.300	C13	007.30	C37	002.11
E16	002.65	D14	032.00	D36	073.199	D56B	39.210	C14	017.3	C38	0.72
E17	003.569	D15	004.95	D37	021.000	D57	45.510	C15	025.694	C39	010.172
E18	003.569	D16	004.95	D38	024.11	D58	60.491	C16	34.408	C40	09.837
E19	0.300	D17	076.00	D39	024.11	D59	1.00	C17	013.10	C41	21.078
E20	7.80	D18	042.139	D40	020.00	D60	0.500	C18	024.71	C42	3.280
E21	24.562	D19	24.836	D41	050.00	D61	29.403	C19	26.270	C43	0.260
E22	0.804	D20	001.65			TOTAL	1700.166	C20	06.952	C44	0.400
E23	30.253	D21	001.65					C21	5.750	C45	014.00
E24	3.700	D22	002.90					C22	01.545	TOTAL	539.794

220 kV SUB-STNS./POWER HOUSES

1.Baddi DOC: 12.7.2005
220/66 kV,3x80/100 MVA
220/33 kV, 1x25/31.5 MVA
66/33 kV,1x20 MVA
66/11 kV, 4x20 MVA

2. Bhaba DOC: 20.5.1989
220/11 kV,1x10 MVA Mc:3x40 MW
GT:11/220 kV,3x50MVA

3. Girinagar DOC: 16.4.1978
220/132 kV, 2x80/100 MVA
132/33 kV, 2x25/31.5 MVA
M/c:2x30MW;GT:11/132kV,2x40MVA

4. Hamirpur-II DOC: 1.8.2001
220/132 kV, 3x80/100 MVA
33/11kV, 2x3.15 MVA

5.Jassore DOC: 7.9.1985
220/132 kV,1x150MVA,1x50/63MVA
220/33 kV, 2x25/31.5 MVA

6.Jeori DOC: 3/2009
220/66 kV, 1x100 MVA(1-Ø BANK)
220/66 kV, 1x31.5 MVA
66/22 kV,1x10 MVA,1x31.5 MVA

7.Kangoo DOC: 18.6.1999
220/132 kV,1x80/100 MVA
132/33 kV, 2x25/31.5 MVA

8. Kunihar DOC: 17.1.1989
220/132 kV, 2x80/100 MVA
220/132 kV, 1x160/200 MVA
132/33 kV, 1x16 MVA

9. Mandhala DOC: 11.9.2015
220/66kV, 1x100 MVA
66/11kV, 4x20 MVA

10.Uparla Nangal DOC:2.7.10
220/66 kV, 2x100 MVA
220/33 kV, 1x25/31.5 MVA

132kV SUB-STNS/POWER HOUSES

1. Amb DOC: 31.5.1997
132/33 kV, 1x25/31.5 MVA
132/33 kV, 1x16 MVA
33/11 kV,2x5 MVA

2.Bagga Interlinking S/Stn DOC: 25.11.2009

3. Bajaura DOC: 12/1998
132/33 kV, 2x25/31.5 MVA

4. Barotiwala DOC:19.5.1989
132/66 kV, 3x25/31.5 MVA
132/11 kV,1x16 MVA
132/11 kV, 3x25/31.5 MVA

5. Bassi DOC: 13.9.1970
132/33 kV, 1x16 MVA
33/11 kV,2x2.5 MVA
M/c: 4x16.667 MW
GT:11/132, 4x20.4/22.5 MVA

6. Bathri DOC: 12.5.1987
132/33 kV, 2x25/31.5 MVA
33/11 kV,2x1.6 MVA

7. Darlaghat DOC: 23.6.2006
132/11 kV, 7.5 MVA

8. Palampur DOC: 19.12.1997
132/33 kV, 2x25/31.5 MVA
33/11 kV,2x4 MVA

9. Dehra DOC: 21.12.1993
132/33 kV, 2x16/20 MVA
33/11 kV,2x4 MVA

10. Gagret DOC: 12/2009
132/33 kV, 1x25/31.5 MVA
132/11 kV, 1x25/31.5 MVA

11.Gaura DOC: 9.9.2014
132/33 kV,1x16 MVA(1-Ø)

12.Poanta DOC: 21.10.2007
132/33 kV, 2x25/31.5 MVA
132/11 kV,1x25/31.5 MVA

13. Hamirpur-I DOC: 1979
132/33 kV, 2x25/31.5 MVA
33/11 kV,2x5 MVA

14. Jahoo DOC:
132/33 kV,1x25/31.5 MVA

15. Jutogh DOC: 17.5.1981
132/66kV,25/31.5MVA,50/63MVA
132/33kV,31.5MVA,25/31.5MVA
66/33kV,1x20MVA

16. Kala-Amb DOC: 30.11.2006
132/33 kV, 3x25/31.5 MVA
132/11 kV, 1x25/31.5 MVA

17. Kandrori DOC: 28.8.1996
132/33 kV, 3x16 MVA
33/11 kV,2x6.3 MVA

18.Kangra DOC: 2/1978
132/33 kV, 2x25/31.5 MVA
33/11 kV,2x10 MVA

19.Kurthala DOC: 30.8.2014
33/132 kV,1x50/63MVA

20. Larji DOC: 28.9.2006
132/11 kV, 1x6.3 MVA
M/c: 3x42 MW
GT:11/132 kV, 3x52 MVA

21.Malana DOC: 11.8.2009
33/132 kV, 1x25/31.5 MVA

22. Mandi (Bijni) DOC:26.10.1979
132/33 kV, 1x16 MVA,1x25/31.5 MVA
66/33kV,1x20MVA;33/11 kV,2x3.15 MVA

23. Una (Rakkar) DOC: 30.12.1985
132/33 kV, 2x25/31.5 MVA
66/33 kV, 2x10 MVA
66/11 kV,1x20MVA;33/11 kV, 2x6.3MVA

24. Solan DOC: 31.8.1993
132/66 kV,1x25/31.5 MVA
132/33 kV,1x50 MVA

25.Tahliwala DOC: 25.8.2014
132/33 kV,2x25/31.5MVA

66 kV SUB-STNS./POWER HOUSES

1. Akanwali DOC: 24.10.2007
66/33kV,2x20MVA;66/11 kV,1x20MVA

2. Andhraa DOC: 29.9.1987
66/22 kV, 1x6.67 MVA
M/c:3x5.65MW; GT:11/66 kV,2x6.67MVA
GT:11/22 kV, 1x6.67 MVA

3. Anni DOC: 15.4.2015
66/22 kV,2x10MVA

4. Batoli Kalan DOC: 8.6.2015
66/11 kV,2x20MVA

5. Davni DOC: 3.5.2014
66/11 kV,2x20MVA

6.Ghanvi DOC: 16.10.2000
M/c: 2x11.25 MW
GT:11/66 kV, 2x13.75 MVA

7. Golthai DOC: 31.3.2006
66/11 kV,1x6.3 MVA

8. Gumma DOC: 12.7.1983
66/22 kV,2x6.3 MVA,1x10 MVA

9.Khotkhai DOC: 22.12.2008
66/22 kV, 2x10 MVA

10. Kumarsain DOC: 7/1984
66/22 kV, 1x6.3MVA,1x10MVA

11. Mashobra DOC:
66/22 kV, 1x6.3MVA,1x10MVA

12. Nalagarh DOC:26.12.2005
66/33 kV, 2x20 MVA,10 MVA
66/11 kV,2x20 MVA
33/11 kV, 1x3.15 MVA

13. Nathpa DOC: 31.1.2009
66/22kV,1x10MVA,1x20MVA

14. Nogli DOC: 12/1963
66/22 kV, 1x10 MVA
M/c: 2x250kW + 4x500kW
GT:0.4/22 kV, 2x300 kVA
GT: 0.4/22 kV, 2x1250 kVA

15. Parwanoo DOC: 2.11.2001
66/11 kV, 2x20 MVA

16. Sainj DOC: 21.11.2007
66/11 kV, 2x6.3 MVA
66/22 kV, 1x6.3 MVA

17. S.Terrace DOC:8.10.1990
66/11 kV, 2x10 MVA

18. Samauli DOC: 17.12.2008
66/22kV, 1x16MVA,1x10MVA

19. Totu DOC: 16.07.1995
66/11 kV,1x10MVA,3x6.3 MVA