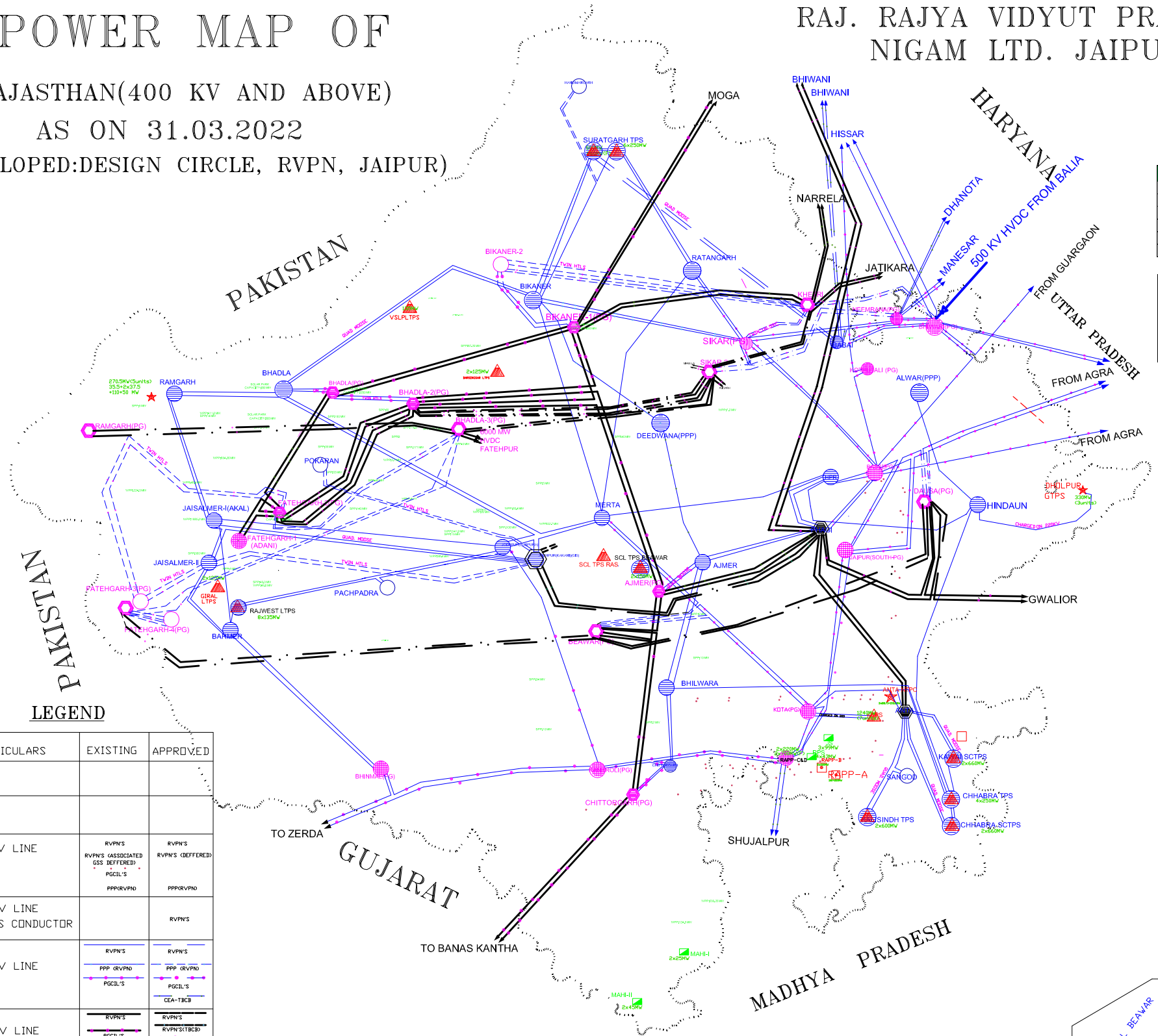
POWER MAP OF

RAJASTHAN(400 KV AND ABOVE)

AS ON 31.03.2022

(DEVELOPED:DESIGN CIRCLE, RVPN, JAIPUR)

RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD. JAIPUR



Existing Grid Sub-Stations in Rajasthan as on 31.03.2022			
Voltage Level	RVPN	PPP (RVPN)	TOTAL
765 kV	2	0	2
400 kV	16	2	18
220 kV	127	1	128
132 kV	452	15	467
Total	597	18	615

Under Construction Grid Sub-Stations in Rajasthan as on 31.03.2022			
Voltage Level	RVPN	PPP (RVPN)	Total
765 kV	1	0	1
400 kV	2	1	3
220 kV	16	1	17
132 kV	43	0	43
Total	62	2	64

EXISTING EHV LINES as on 31.03.2022			
Voltage Level	RVPN	PPP (RVPN)	Total
765 kV Lines (Ckt.Kms.)	425.498	0	425.498
400 kV Lines (Ckt.Kms.)	6899.386	943	7842.386
220 kV Lines (Ckt.Kms.)	16142.409	72	16214.409
132 kV Lines (Ckt.Kms.)	18559.85	442.6	19002.45
Total	42027.143	1457.6	43484.743

UNDER CONSTRUCTION EHV LINES as on 31.03.2022			
Voltage Level	RVPN	PPP (RVPN)	Total
765 kV Lines (Ckt.Kms.)	10	600	610
400 kV Lines (Ckt.Kms.)	1361.00	40	1401
220 kV Lines (Ckt.Kms.)	2154.00	60	2214.0
132 kV Lines (Ckt.Kms.)	2151.00	0	2151.000
Total	5676.000	700	6376.000

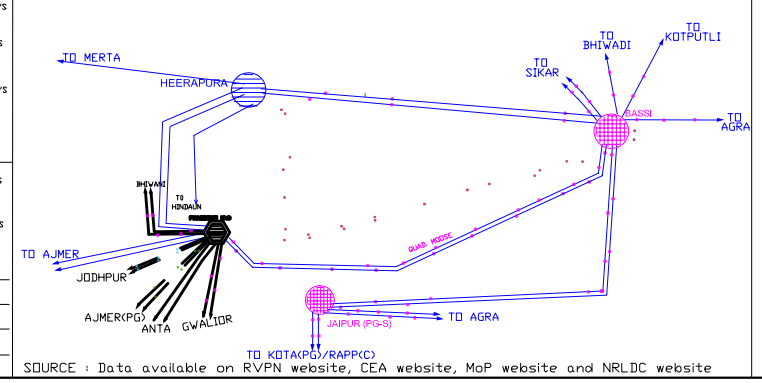
SECTOR WISE INSTALLED GENERATION CAPACITY OF RAJASTHAN (As on 31.03.2022)		
PARTICULARS	Installed capacity / Allocation to Rajasthan (MW)	%
RVUN	8597.35	37%
Shared	853.44	4%
Central Sector	3365.91	14%
Private sector	3742.00	16%
NES	6893.65	29%
TOTAL	**23452.35**	**100%**

Source-wise Installed Generation Capacity of Rajasthan (As on 31.03.2022)		
Particulars	Capacity (MW)	%
A	**Conventional**	
Coal	13315.408	57%
Gas	824.60	4%
Nuclear	456.74	2%
Hydro	1961.954	8%
Total (A)	**16558.702**	**70.66%**
B	**NES**	
Wind	3734.10	16%
Biomass	101.95	0.44%
Solar	3038.10	12.97%
Total (B)	**6874.15**	**29.34%**
Total (A+B)	**23432.85**	

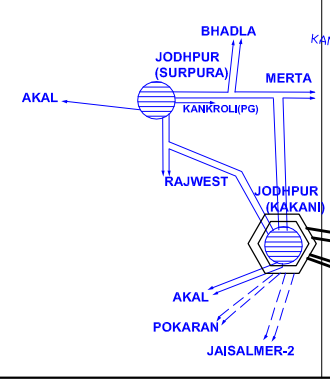
LEGEND

S.NO.	PARTICULARS	EXISTING	APPROVED
3	220 KV LINE	RVPN'S; RVPN'S (ASSOCIATED GSS DEFFERED); PGCIL'S; PPP(RVPN)	RVPN'S; RVPN'S (DEFFERED); PPP(RVPN)
4	220 KV LINE ON HTLS CONDUCTOR		RVPN'S
5	400 KV LINE	RVPN'S; PPP (RVPN); PGCIL'S	RVPN'S; PPP (RVPN); PGCIL'S; CEA-TBCB
6	765 KV LINE	RVPN'S; PGCIL'S	RVPN'S; RVPN'S(TBCB); PGCIL'S; CEA-TBCB
8	220 KV G.S.S.	RVPN'S; PPP'S	RVPN'S; PPP'S; RVPN'S (DEFFERED)
9	400 KV G.S.S.	RVPN'S; RVPN'S PPP'S; PGCIL'S; CEA-TBCB	RVPN'S; RVPN'S TBCB; PGCIL'S
10	765 KV G.S.S.	RVPN'S; PGCIL'S	RVPN'S; PGCIL'S
11	HYD.POWER HOUSE		
12	TH. POWER HOUSE		
13	GAS TH.POWER HOUSE		
14	ATOMIC POWER STN.		

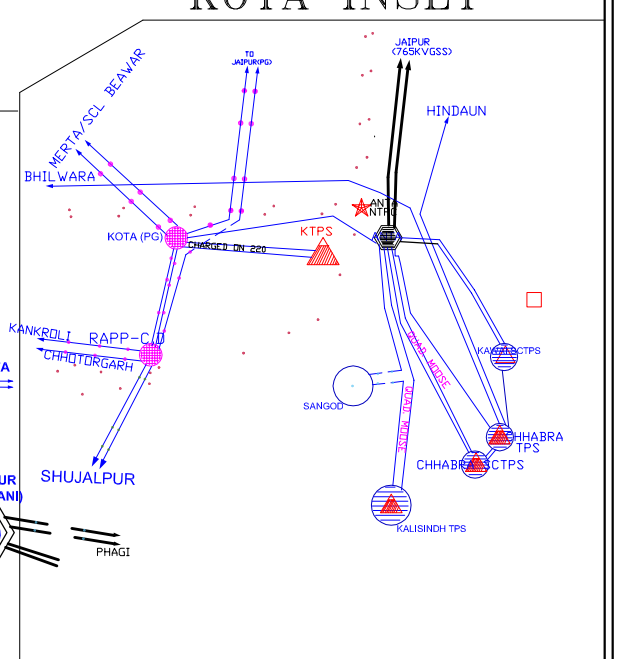
JAIPUR INSET



JODHPUR INSET



KOTA INSET



SOURCE : Data available on RVPN website, CEA website, MoP website and NRLDC website