Salient Features (Assets)

As on 31.03.2025

(A) General Services:

(i) Power Supply:

Division / Description	AII	BKN	JP	JU	AII W/S	BKN W/S	JU W/S	Total
DG Sets Nos.	27	41	49	29	02	Nil	03	**151**
Water Coolers Nos.	208	211	343	252	62	08	24	**1108**
Water Coolers at station PFs Stns. Nos.	18+12* 91+19#	31+73 215+103#	21+44* 129+65#	35+91* 219+56#	Nil Nil	Nil Nil	Nil Nil	**105+220*** **654+243#**
Pumps	291	302	281	196	2	0	09	1072
Transformers	71	47	104	45	16	07	09	299
Passenger Lifts	09	05	04	14	-	-	-	**32**
Escalators	14	07	14	08	-	-	-	**43**

Non eligible stations

Donated Water coolers

(ii) Electrified Stations:

Division / Description	AII	BKN	JP	JU	Total
Total Railway Stations	133	199	124	146	602
Electrified Stations	129	192	112	146	579
Eligible Electrified Station	129	192	112	146	579
Non-Eligible Electrified stations	Nil	Nil	Nil	Nil	Nil
Stations Eligible but not electrified	Nil	Nil	Nil	Nil	Nil

(iii) Electrified Staff Quarters:

Division / Description	AII	BKN	JP	JU	Total
Total No. of Quarters	6669	4538	4264	8882	24353
Electrified Quarters	6669	4538	4264	8882	24353
Non Electrified Quarters	00	00	00	00	00

Status of Solar Panel Installed over NWR

As on 01.02.25

	Details of Solar Panel Installed over NWR and Energy savings achieved								
	Year	AII	BKN	JP	JU	AII WS	JU WS	BKN WS	Total solar power installed (kWP)
	2008-9	0	0	10.2	0	0	0	0	**10.2**
	2013-14	0	0	10.2	0	0	0	0	**10.2**
	2015-16	20	12	101.5	10.2	0	0	0	**143.7**
	2016-17	280	15	550	100	0	0	0	**945**
	During 2017-18	1120	275	690	110	0	0	0	**2195**
	During 2018-19	350	183	600	1320	0	440	0	**2893**
	During 2019-20	0	130	0	160	0	0	0	**290**
	During 2020-21	0	0	0	40	192.27	0	0	**232.27**
	During 2021-22	0	0	0	0	0	0	0	0
	During 2022-23	50	172.36	50	50	0	50	0	**372.36**
	During 2023-24	0	250	230	580	470	210	500	**2240**
	Apr-24	0	0	0	110	80	0	0	190
	May-24	0	0	0	0	0	0	0	0
	Jun-24	0	0	0	0	0	0	0	0
	Jul-24	0	0	0	0	390	0	0	390
	Aug-24	403	0	0	0	0	0	0	403
	Sep-24	947.31	200	254.3	0	0	0	0	1401.605
	Oct-24	151	110	636	0	0	0	0	897
	Nov-24	323	40	365.3	10	0	0	0	738.3
	Dec-24	412	30	0	104	0	0	0	546
	Jan-25	0	260	0	110	0	0	0	370
	Feb-25	0	0	0	0	0	0	0	0
	Mar-25	0	0	0	0	0	0	0	0
TOTAL (D)		2236.3	640	1255.6	334	470	0	0	4935.905
LC gates by 640 Wp	2016-17	0	33.28	62.39	0	0	0	0	95.67
	2017-18	0	0	0	0	0	0	0	0
	2018-19	0.2	0	0	1.48	0	0	0	1.68
	2019-20	0	0	0	0	0	0	0	0
Solar Pumps	2020-21	0	0	0	0	0	10	0	10
	up to 2021-22	3.8	0	30	70	0	20	0	123.8
	during 2022-23	0	26.8	5	0	10	0	0	41.8
TOTAL		**4060.3**	**1737.4**	**3594.9**	**2775.7**	**1142.3**	**730**	**500**	**14540.585**
Expected Energy savings achieved by provision of Solar plants (Units/year)=Total kWpx3.6x300									**15,703,832**
Expected Energy savings achieved by provision of Solar plants (Rs/year)=Total unit generatedxAvg. Tariff rate-(payment made to M/s Azure & Renew)									**125,121,824**

Power Procurement through Open Access in the state of Rajasthan

1. Electrical power supply is being availed by NWR through RVPN in the state of Rajasthan as per the CERC Grant of Connectivity, Long-term Access and Medium-term Open Access in Interstate Transmission & related matters Regulation 2009 and RERC Terms & Conditions for Open Access Regulation 2016.

2. **49 TSSs** are commissioned in Rajasthan state, which are drawing Power supply through **Open Access**. **(NWR-30, WCR-13, NCR-3, WR-1, WDFC-2).**

3. **52 TSSs** are in NWR. Which are drawing power supply through **open access (Rajasthan-30, Gujrat-02, Hariyana-06)** and through discom **(Rajasthan-13, Punjab-01)**

4. For this purpose power generators have been tied up as detailed below:

   I. **Wind Power from Wind mills installed in Jaisalmer**:
   REMCL is supplying power to Railway from 26 MW Wind Farm in state of Rajasthan (13 Wind Turbine Generators (WTG) each of 2 MW capacity). M/s Manikaran has been appointed as Qualified Coordinating Agency (QCA) of the wind farm. Daily forecasting and scheduling of wind farm is being provided by this firm to Rajasthan SLDC. The Schedule Wind power generation for next day is being provided by REMCL for load scheduling purpose to NWR.

   II. **Thermal Power of BRBCL**:
   As per Railway Board letter no. 2008/Elect(G)/170/1/Pt dated 14.02.2019, 10 MW power was allocated for Rajasthan state from BRBCL and scheduling of power started from 20.11.2019 onwards.

   III. Power From Indian Energy Exchange (IEX):
   Power is being availed through Day Ahead Market (DAM) & Real Time Market (RTM) from IEX according to the daily load requirement. NWR started Power Purchase from Indian Energy Exchange (IEX) w.e.f. 18.01.2021. NOC from SLDC, Rajasthan was issued on monthly basis for STOA of max 110 MW.
   Hon'ble Appellate Tribunal for Electricity vide judgment dated 12.02.2024, has held that Indian Railways is not a Deemed Distribution Licensee under the Electricity Act, 2003. Thus, RVPN has intimated that STOA NOC will not be issued to Railways in the capacity of Deemed Licensee and Railways may approach DISCOM for taking supply on consumer mode. Existing STOA NOC expired on 07.04.2024. Approx. 80% of power requirement of Rajasthan state is being drawn through DSM.

Division wise Electrification details over NWR

(As on 28.02.2025)

SN	Division	Total (BG & MG)	Electrified
		RKM	RKM
1	JP	1,030	1,030
2	BKN	1,780	1,780
3	All	1,117	1,030
4	JU	1,626	1,568
	Total	5553	5409

Train working in Section:

1. **Rewari-Alwar-Phulera section**
2. **Rewari-Ringus-Phulera-Ajmer section**
3. **Rewari-Hisar-Bhatinda-Biradhwal –Lalgarh – Phalodi section**
4. **Bhiwani-Rohtak section**
5. **Ajmer-Det-Udaipur section**
6. **Sawai Madhopur – Jaipur section**
7. **Ajmer-Palanpur section**
8. **Rewari-Sadulpur-Churu – Ratangarh –Lalgarh- Bikaner section**
9. **Marwar – Luni section**
10. **Jaipur – Ringas - Sikar-Loharu-Sadulpur-Suratpura-Hisar & Sikar – Churu section**
11. **Mavli – Bari Sadri section**
12. **Jodhpur – Merta Road – Bikaner section**
13. **Bhildi – Samdari – Luni – Jodhpur – Phalodi – Jaisalmer**
14. **Rai Ka Bagh – Phulera**
15. **Udaipur – Himmatnagar**

Electric Traction position over NWR

1. Electrification is progressing rapidly and trains operation therefore is getting switched over from Diesel to Electric traction as of now more than 189 pair trains (Approx. 67.5 %) and approximately 37 % of freight trains(GTKMs) working on electric traction.
2. GM Sanction obtained of Electric Locomotive over NWR-

S.N.	Type of Loco	Unit	Power (In HP)	Max. Speed as per RDSO Speed Certificate (In kmph)
1	WAG12B	Twin Bo-Bo	12000	120
2	WAP7HS	Single	6120	160
3	WAG5A/B/C	Single/Double	3850	100
4	WAG5H	Single/Double	3850	100
5	WAG7	Single/Double	5000	100
6	WAG9	Single/Double	6120	100
7	WAG-9H	Single/Double	6120	100
8	WAH9HC	Single/Double	9000	100
9	WAG9HH	Single/Double	9000	100
10	WAP1	Single	3800	140
11	WAP4	Single	5050	140
12	WAP5	Single/Double	6120	160
13	WAP7	Single	6355	140
14	WAP7HS	Single	6120	160

3. NWR Electric Locomotive Holding As on 31.01.2025-

Sheds	Type of loco	Holding
BGKT	3-Phase	157 (WAP7-53, WAG9HC-104)