

ELECTRICAL (TRD) DEPARTMENT JAIPUR DIVISION

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Introduction

Electrical TRD unit play a vital role in the Railway transport system. At Divisional level Sr. Divisional Electrical Engineer/TRD, is the overall in-charge of TRD unit. All activities pertaining to Traction Distribution in the division is coordinated by Sr. Divisional Electrical Engineer/TRD, who is assisted by DEE/AEE & SSE/JE's. TRD unit is responsible for operation and maintenance of OHE/PSI assets & co-ordination with executive agencies CORE, RITES, DFCCIL & IRCON.

Electrification at a Glance

FY	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	Total up to 2021-22	Target 2022-23	Grand Total
RKM	6.6	72.26	0	214.93	0	342.37	123.87	173.83	933.867	181.8	1115.667
TKM	14.5	184	0	282.40	0	653.33	251.22	217.51	1602.804	213.68	1816.484

SN	SECTION	STATUS of Electrification
1	RE-JP-MD	Electric traction has been introduced.
2	RE-RGS-FL	
3	SWM-JP-RGS	
4	RGS-SIKR-COR & SIKR-LHU	Electrification work under progress by RE/JP
5	DO-GGC	New BG line track work under progress.

Details of TRD Assets over Jaipur division-

DEE/ADEE	OHE/PSI Depot	T/W shed & siding	TSS	SP	SSP	Jurisdiction RKM
ADEE Office Rewari	Rewari	Rewari	Kathuwas	1. Rewari 2. Karnawas	1. Rewari 2. Bawal 3. Ajerka 4. Pali	73.00 RE (Incl)-KNAR (Excl) RE (Incl-KTWS (Incl)
	Alwar	Alwar	1. Khairthal 2. Rajgarh	1. Alwar	1. Harsali 2. Khairthal 3. Padisal 4. Mahwa 5. Malakhera	78.00 KNAR(Incl)-RHG (Incl)
	Bandikui	Bandikui	Khan Bhankri	1. Bandikui	1. Baswa 2. Kolwagram 3. Dausa 4. Banskho	70.00 RHG (Excl)-BSKO (Incl)
	Narnaul	Narnaul	-	1.Amarapur Jorasi	1. Mirzapur 2. Dabla	57.00 KTWS (Excl)-JILO (Incl)
DEE Office Jaipur	Jaipur	Jaipur	Jaipur	1. Bassi	1. Khatipura 2. Gandhinagar 3. Bindayka 4. Sanganer 5. Bais Godam*	82.00 BSKO (Excl)- SHNX (Incl) SNGN (Incl)-DKBJ (Incl)
	Isarda	Isarda	-	1. Chauth ka Barwara	1. Devpura 2. Isarda 3. Siras	49.00 SWM (Excl)-SRAS (Incl)
	Chaksu	Chaksu*	Bansthali Niwai	1.Sheodaspura	1. Chanani 2. Chaksu	69.00 SRAS (Excl)-SNGN (Excl)

DEE office Phulera	Phulera	Phulera	Phulera	1. Bobas 2. Renwal	1. Hirnoda 2. Dantra 3. Bheslana 4. Khandel	82.00 SHNX (Excl)-DTRA (Incl) FL (Incl)-RNW (Incl)
	Kishangarh	Kishangarh*	Kishangarh	1. Sakhun 2. Madar	1. Gehlota 2. Gegal Akhiri	55.77 DTRA (Excl)-MD (Excl)
ADEE Office NMK	Neem Ka Thana	-	Maonda*	1. Kanwat	1. Neem Ka Thana	38.00 JILO (Excl)-KAWT (Incl)
	Sri Madhopur	Sri Madhopur	Ringas	-	1. Kachera 2. Kishan Manpura 3. Pachar Malikpur	56.00 KAWT (Excl)-RNW (Excl)
	Chomu	Chomu*	-	1. Chomu	1. Nindar Benad 2. Govindgarh	59.00 DKBJ 9Excl)-RGS (Excl)
Total	12	11	10	14	37	

(*Under construction/ commissioning pending)

Summary of TRD Assets over Jaipur Division

Status	DEE/AEE office	Depot	TW Shed	TSSs	SP	SSP
Commissioned	4	12	8	09	14	36
Work Under progress	0	2	3	03	04	08
Work yet to be started	0	3	5	02	04	07
Total	4	17	16	14	22	51

TRD Assets to be commissioned

RGS-SIKR-CUR & SIKR-LHU section:- (RKM-261.20), Executive Agency –CORE/JP unit

Section	OHE/PSI Depot	T/W shed & siding	TSS	SP	SSP
RGS-SIKR-JJN	Sikar*	Sikar*		1. Palsana* 2. Sikar* 3. Dundlod Mukandgarh*	1. Goriyan* 2. JerthiDadhia* 3. Nawalgarh* 4. Nua* 5. Jhunjhunu*
JJN-LHU	Jhunjhunu*	Jhunjhunu*	1. Narikhetri*	1. Luharu*	1. Chirawa* 2. Surajgarh*
SIKR-CUR	Fatehpur Shekhawati*	Fatehpur Shekhawati*	1. Rasidpur Khoris* 2. Kayamsar*	1. Lachhman garh* 2. Churu*	1. Sikar* 2. Fatehpur Shekhawati* 3. RmgrhShekhawati*

(* Under construction/ commissioning pending)

➤ **RGS-SIKR-JJN (RKM-119.95)** –CRS inspection done 05 & 06-01-2022, CRS authorization not yet received.

Dausa-Gangapur city Section:- (95 RKM/111.5 TKM) Executive Agency –IRCON

OHE/PSI Depot	T/W shed & siding	TSS	SP	SSP	PDC
1. Lalsot	1. Lalsot	Lalsot	1. Dausa 2. Udai Kalan	1. Nangal Pyariwas 2. Salempur-Arniya 3. Piplai 4. Khuntla	FY 2022-23

(* Under construction/ commissioning pending)

Highlights of Electrical (TRD) Jaipur division

- **AWR-RE – First electrified section over NWR.** Electrification completed in March'2016. *First Electric train over NWR* introduced for goods in April'2016.
- **RE-RGS-FL - First electric traction** introduced for goods train on 25.05.2020 & for passenger trains (*DEE-All Jansatabdi Exp*) on 27.07.2020 **First time on High Rise OHE section over NWR.**
- **AWR-JP-FL – First electric traction** introduced for goods train on 29.11.2021 & for passenger trains (*PRYJ-JP Express*) on 14.12.2021 (*also first passenger train on electric traction from JP station*)
- **SWM-SAS-JP – First electric traction** introduced for goods trains on 29-05-21 & 05.08.21.
- **JP-SWM – First passenger train (PUNE-JP SF SPL, 02939)** on electric traction introduced on 16-08-2021.
- **JP-RGS – First electric traction** introduced for goods trains on 15-10-21.

Best ever performance:-

a. **OVER IR:-**

- **First High Rise section over IR where electric traction was introduced for M/Exp trains-** First Passenger train DEE-All Jansatabdi Exp. (Train no. 02065/02066) has been taken on Electric traction in RE-RGS-FL-MD section of Jaipur division since 27.07.2020. It is the first High Rise OHE (7.57 meter contact wire Height) section of Indian Railway, where electric traction has been introduced for Passenger/M/Exp trains.

b. **Over NWR:-**

- **First Electrified section over NWR:-** Rewari- Alwar section is the first electrified section over NWR. CRS/WC inspected this section on 25/26.03.2016 and authorized it for introduction of 25 KV electric traction on 30.03.2016. Further Electric traction was introduced on 01.04.2016 for Goods train.
- **First Electric Goods train in High Rise OHE section over NWR:-** Electric traction has been introduced in RE-RGS-FL section of Jaipur division by hauling first Goods train with electric traction on dated 25.05.2020. It is the first High Rise OHE section (contact wire height of 7.57 Mtr) of NWR where electric traction has been introduced for operation of Freight service. Further it has been extended up to Madar station of JP division since 24.06.2020.

c. **Over JP division:-**

- **First passenger train with electric traction in JP division:-** First Passenger train DEE-All Jansatabdi Exp. (Train no. 02065/02066) has been taken on Electric traction in RE-RGS-FL-MD section of Jaipur division since 27.07.2020. It is the first passenger train of Jaipur division which has run with electric traction.
