

ELECTRICAL DEPARTMENT – RAJKOT DIVISION

(1) ORGANISATION

Sr. DEE is over all in-charge of electrical department, who is assisted by ADEE to look after General services over RJT Division and ADEE is assisted by SSEs & JEs.

(2) CADRE POSITION : Sanction cadre of Power & TL/AC Staff is 321.

(3) Highlight of Achievements

Awards

- 1 Rajkot Division has been awarded Two National Energy Conservation Award – 2016 by Govt. of India, Ministry of Power i.e. First prize for Railway Station – Dwarka and Second prize for Railway Station – Surendranagar in Station Category. The award was given by Hon'ble Minister of Power – Shri Piyush Goyal on 14th Dec. 2016 at Hotel Le-Meridien - New Delhi.
- 1 Rajkot Division has been awarded Two National Energy Conservation Award – 2013 by Govt. of India, Ministry of Power i.e. Second prize for Divisional Railway Hospital – Rajkot and Third prize for DRM office complex – Rajkot. The award was given by Hon'ble President of India on 16th Dec. 2013 at Vigyan Bhawan, New Delhi.





- 2 Rajkot Division has been awarded National Energy Conservation Award – 2015 by Govt. of India, Ministry of Power i.e. third prize [Certificate of Merit] for Railway Station – Rajkot.
- 3 DRM office, Western Railway – Rajkot have been certified for ISO 50001-2011

Use of Non Conventional Energy

- 1 At Okha Station 85 KW Solar Power Plant has been commissioned on Dt. 3.10.2016 under CSR Scheme due to this 122400 KWH per annum will be generated by solar plant resulting into recurring Saving of Rs. 7,65,000/- per annum.
- 2 Installation of 10 KW roof top solar plant at DRM office, Rajkot. :- Average 50 KWh output/day.
- 3 7 Stations Platforms at Mithapur, Bhatiya, Hadmatiya, Lakhamachi, Chamaraj, Paddhari & Jaliya Dewani have been provided with Solar lights.
- 4 2 Colony Street lights at Bhatiya & Lakhamachi have been provided with Solar lights.
- 5 Solar Hot water system of 8225 Ltrs / day have been provided in Running Room, Hospitals, Retiring Room, Rest house over the Division.
- 6 3 LC gates have been Electrified by Solar System and Other 3 LC gates have been Electrified with Hybrid system (Solar + Wind)
- 7 260 nos. LED lights of 18 Watt have been provided at Surendranagar station platform 1&2 against 36/40 W Tube light fitting.
- 8 Lakhamachi (1.5 KWp), Bhatiya (1.5 KWp) & Chamaraj Station (1 KWp) have been provided with solar plant with LED fittings

Facilities

- 1 2 nos. Lifts have been provided at Rajkot Station for Passengers
- 2 At Jamnagar, Rajkot & Khambhaliya Railway Stations waiting rooms are Air Conditioned.
- 3 Mobile laptop charging facilities are available at all major stations over the Division.
- 6 Provision of LED fittings at Jamnagar and Dwarka platform station building under CSR scheme. :

Nos. of Fittings		Watts
Jamnagar	Dwarka	
310	240	20W
50	35	25W
12	12	170W

11	Provision of automatic / SM slide controlled 70%/30% light circuit. :
	Nos. of Eligible stations : 28
	Nos. provided : 28
9	Provision of LED fitting at Rajkot : 450 Nos. of 20W
	(250 nos. fittings provided on PF no. 2/3 & open PF and remaining fittings will be provided on PF No. 1 after completion of Engg. Work.)

4. Details of the Electrical Assets is as under. :-

SN	Item's	Holding
1	Total connected load	8578 KW
2	Absolute energy consumption (2016-17 upto Oct.-16)	3922080
3	Average Monthly Consumption	560297
4	Average Monthly Energy bill	3501857
5	Average energy purchase rate	6.25
6	Total No. of Railway Station	77
6A	Total no. of electrified station	64
7	Electrical pump sets	75
8	Refrigerators	28
9	AC units	Window – 85 Nos. Split type - 74 Nos.
10	Transformers	21
11	LT connections	328
12	HT connection	06
	Sub Stations	09
13	Total CD of HT points	1350 KVA
14	DG sets	22 nos.
15	Water coolers	Passenger amenities – 42 Other places – 55
16	(a) Individual Segregated	2457
	(b) Single point supply	2071
	(c) Total No. of electrified Quarters	4528
17	Total No. of Manned electrified LC gates	189
18	No. of other Electrical Machines on Division	102
19	No. of solar water heaters.	21 [Total 8225 Litres/day]
20	No. of solar distilled water plants.	02 [Total 115 Litres/day]
21	No. of solar pumps	01 [Dahinsara Station]
22	No. of Station provided with solar lights	07 [CJR,PDH, HM, LMC, BHTA, MTHP, JALD] Total LED fittings : On PF – 67 nos. On Colony – 38 nos

SN	Item's	Holding
23	No. of LC gates provided with solar light	19 [3 nos. Solar and 16 nos. Solar + Conventional supply]
24	No. of LC gates provided with Hybrid [Wind + Solar] Lighting	03 [LC Gate No. 46, 82, 289]
25	10 KWp Roof top solar plant at DRM office, Rajkot.	01 No. (Average 50 KWh output/day.)
26	85 KWp Roof top solar plant at Okha Station	01 Set. (Average 340 KWh output/day.)
26	Electrical Lift	02 (RJT PF 1&2)

5. Coaching Depots:

There are three Coaching depots in RJT division. These are located at OKO, HXP & RJT.

Details of Rakes and Coaches Maintained at various Coaching Depots

Depot	Train No.	From	To	No of Coaches per rake	No. of Rake	Frequency	Type of examination
Okha	22905/22906	Okha	HWH	05	03	Tri-Weekly	PM
Okha	19569/9570	Okha	BSB	21	01	Weekly	PM
Okha	59547/48	Okha	ADI	10	03	Daily	PM
Okha	59503/04	Okha	VG	10	03	Daily	PM
Okha	19565/9566	Okha	DDN	13	01	Weekly	PM
Okha	19567/9568	DWK	TN	18	01	Weekly	PM
Okha	19573/19574	Okha	JP	21	01	Weekly	PM
Okha	19005/9006	Okha	BCT	10	03	Daily	SM
Okha	18401/8402	Okha	Puri	21	01	Weekly	SM
Okha	16338/6337	Okha	ERS	21	03	Bi-Weekly	SM
Okha	15046/5045	Okha	GKP	23	01	Weekly	SM
Okha	15636/5635	Okha	GHY	21	03	Weekly	SM
Okha	16733/6734	Okha	RMM	19	01	Weekly	SM
Okha	59507/08	Okha	BVP	10	02	Daily	STR
Okha	19251/52	Okha	SMNH	15	02	Daily	STR
Hapa	12998/2997	HXP	TEN	22	02	BY Weekly	PM
Hapa	22908/22907	HXP	MAO	20	01	Weekly	PM
Hapa	19575/19576	OKHA	NDT	17	01	Weekly	PM
Hapa	22939/22940	HXP	BSP	17	01	Weekly	PM
Hapa	12478/2477	JAM	JAT	24	01	Weekly	SM
Hapa	12476/2475	HXP	JAT	24	01	Weekly	SM
Jamnagar	19017/9018	JAM	BDS	21	02	Daily	STR
Jamnagar	19059/9060	JAM	ST	17	02	Daily	STR
Rajkot	19571/72	RJT	PBR	09	01	Daily	PM
Rajkot	59507/59508	RJT	SMNH	09	01	Daily	PM
Rajkot	19579/80	RJT	DLI	17	01	Weekly	PM
Rajkot	22937/38	RJT	REWA	17	01	Weekly	PM
Rajkot	17018/7017	RJT	SC	22	03	Tri-Weekly	SM
Rajkot	16614/6613	RJT	CBE	20	01	Weekly	SM
Rajkot	59512/9511	RJT	PBR	09	01	Daily	STR

Depot	Train No.	From	To	No of Coaches per rake	No. of Rake	Frequency	Type of examination
Rajkot	59224/21, 222/259, 260/223	RJT	VRL	09	02	Daily	STR

Summary of Rake Maintained

Depot	Primary maintenance				Secondary maintenance				Daily platform return trains	
	Rakes	AC Coaches	TL Coaches	Total	Rakes	AC Coaches	TL Coaches	Total	Rakes	Coaches
Okha	12	11	116	127	12	21	115	136	04	25
JAM	-	-	-	-	-	-	-	-	04	38
Hapa	03	09	50	59	02	12	36	48	-	-
Rajkot	03	03	35	38	04	16	70	83	03	18
Total	18	23	201	224	18	49	221	270	11	81
