

MISSION 1000 RKM ELECTRIFICATION OVER S.C. RAILWAY



भारत-सरकार/Government of India
रेल मंत्रालय/Ministry of Railways
दक्षिण मध्य रेलवे/South Central Railway



महाप्रबंधक(विद्युत)/General Manager[E]
मुख्यालय कार्यालय/Headquarters office
सिकंदराबाद/Secunderabad-500 025

No. E. 162/TRD/27-1/Vol.I. / 2070

Date: 28.11.2022

✓ The Chief General Manager (RAC),
TSSPDCL,
Corporate Office, Mint Compound,
Hyderabad 500 063.

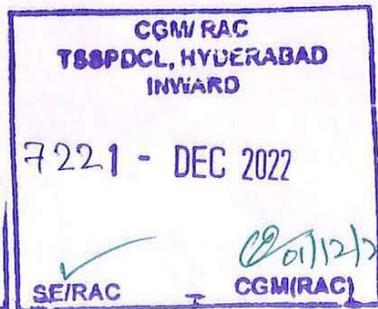
Sub: TSSPDCL-RAC-Resource Plan for 5th & 6th Control periods i.e., FY-2024-25 to FY 2028-29 & FY 2029-30 to 2033-34 – Information on Energy Requirement for category HT-V(A) Railway Traction – Reg.
Ref: TSSPDCL Ir no. CGM(RAC)/SE(RAC)/DE(RAC)/F.No.A/102/D.No.298/22, dt. 14.09.2022.

As per the above reference, Year-wise, District-wise, Voltage-wise information on Energy projection for Railway Traction in the area of jurisdiction of TSSPDCL is enclosed in the format given.

This is for your kind information.

Ch.S. Reddy
(Ch.S. Reddy)

Chief Electrical Distribution Engineer
for Principal Chief Electrical Engineer



ADE/RAE

2/12

2/12

2/12

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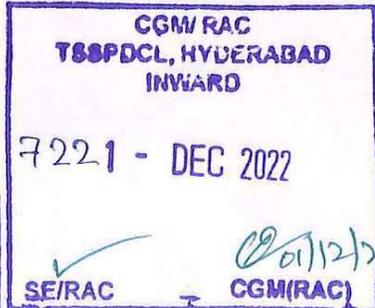
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This is for your kind information.

Ch. S. Reddy
(Ch.S. Reddy)

Chief Electrical Distribution Engineer
for Principal Chief Electrical Engineer



ADG/RAE

2/12

ADG/RAE

(Signature)

District wise, Year wise Energy Consumption for Railway Traction

Particulars	2024-25 (Year wise Projection)			2025-26 (Year wise Projection)		
	11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:

Medchal-Malkajgiri (Ghatkesar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			16000			20000
3	Annual consumption for the above new services (in MU)			187.44			206.19

Name of District:

Sanga Reddy (Sanathnagar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			18000			19000
3	Annual consumption for the above new services (in MU)			115.91			127.50

Name of District:

Nalgonda (Miryalguda)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			10000			11000
3	Annual consumption for the above new services (in MU)			44.44			48.88

Name of District:

Suyapet (Mattampalli)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			6000			7500
3	Annual consumption for the above new services (in MU)			26.17			28.79

Name of District:

Yadadri-Bhongir (Aler, Ramanapet)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			22000			25000
3	Annual consumption for the above new services (in MU)			142.35			156.59

Name of District:

Mahabubnagar (Krishna, Divitipalli)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			18000			20000
3	Annual consumption for the above new services (in MU)			40.53			44.58

Name of District:

Vikarabad (Vikarabad, Tandur)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			22000			22000
3	Annual consumption for the above new services (in MU)			122.85			135.14

District wise, Year wise Energy Consumption for Railway Traction

S No	Particulars	2024-25 (Year wise Projection)			2025-26 (Year wise Projection)		
		11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:

Hyderabad (Timmapur(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			12000			14000
3	Annual consumption for the above new services (in MU)			6.00			6.60

Name of District:

Medak (Manoharabad)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			6000			8000
3	Annual consumption for the above new services (in MU)			6.00			6.60

Name of District:

Wanaparthy (Wanaparthy (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			12000			14000
3	Annual consumption for the above new services (in MU)			6.00			6.60

Name of District:

Jogulamba Gadwal (Manopad(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			12000			14000
3	Annual consumption for the above new services (in MU)			6.00			6.60

Name of District:

Kamareddi (Talmadla (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			6000			8000
3	Annual consumption for the above new services (in MU)			6.00			6.60

Name of District:

Nizamabad (Janakampet (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			6000			8000
3	Annual consumption for the above new services (in MU)			6.00			6.60

Name of District: Medak

Year wise Projection

2025-26

Particulars	2026-27 (Year wise Projection)			2027-28 (Year wise Projection)		
	11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:
Medchal-Malkajgiri (Ghatkesar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			20000			25000
3	Annual consumption for the above new services (in MU)			226.81			249.49

Name of District:
Sanga Reddy (Sanathnagar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			20000			25000
3	Annual consumption for the above new services (in MU)			140.25			154.28

Name of District:
Nalgonda (Miryalguda)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			12000			14000
3	Annual consumption for the above new services (in MU)			53.77			59.15

Name of District:
Suyapet (Mattampalli)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			8500			10000
3	Annual consumption for the above new services (in MU)			31.67			34.83

Name of District:
Yadadri-Bhongir (Aler, Ramanapet)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			25000			30000
3	Annual consumption for the above new services (in MU)			172.24			189.47

Name of District:
Mahabubnagar (Krishna, Divitipalli)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			22000			25000
3	Annual consumption for the above new services (in MU)			49.04			53.95

Name of District:
Vikarabad (Vikarabad, Tandur)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			25000			25000
3	Annual consumption for the above new services (in MU)			148.65			163.52

District wise, Year wise Er

S No	Particulars	2026-27 (Year wise Projection)			2027-28 (Year wise Projection)		
		11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:

Hyderabad (Timmapur(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			16000			18000
3	Annual consumption for the above new services (in MU)			7.26			7.99

Name of District:

Medak (Manoharabad)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			10000			11000
3	Annual consumption for the above new services (in MU)			7.26			7.99

Name of District:

Wanaparathi (Wanaparathi (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			16000			18000
3	Annual consumption for the above new services (in MU)			7.26			7.99

Name of District:

Jogulamba Gadwal (Manopad(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			16000			18000
3	Annual consumption for the above new services (in MU)			7.26			7.99

Name of District:

Kamareddi (Talmadla (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			10000			11000
3	Annual consumption for the above new services (in MU)			7.26			7.99

Name of District:

Nizamabad (Janakampet (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			10000			11000
3	Annual consumption for the above new services (in MU)			7.26			7.99

District wise, Year wise Er

27-28
projection
132 kV
& above

Particulars	2028-29 (Year wise Projection)			2029-30 (Year wise Projection)		
	11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:
Bedchal-Malkajiri (Ghatkesar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			25000			30000
3	Annual consumption for the above new services (in MU)			274.44			301.88

Name of District:
Sanga Reddy (Sanathnagar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			25000			27000
3	Annual consumption for the above new services (in MU)			169.71			186.68

Name of District:
Nalgonda (Miryalguda)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			16000			20000
3	Annual consumption for the above new services (in MU)			65.06			71.57

Name of District:
Suyapet (Mattampalli)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			11000			12000
3	Annual consumption for the above new services (in MU)			38.32			42.15

Name of District:
Yadadri-Bhongir (Aler, Ramanapet)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			30000			30000
3	Annual consumption for the above new services (in MU)			208.42			229.26

Name of District:
Mahabubnagar (Krishna, Divitipalli)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			25000			27000
3	Annual consumption for the above new services (in MU)			59.34			65.27

Name of District:
Vikarabad (Vikarabad, Tandur)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			27000			27000
3	Annual consumption for the above new services (in MU)			179.87			197.86

District wise, Year wise Er

S No	Particulars	2028-29 (Year wise Projection)			2029-30 (Year wise Projection)		
		11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:
Medchal-Mar. 1/1/11

Name of District:
Hyderabad (Timmapur(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			20000			22000
3	Annual consumption for the above new services (in MU)			8.78			9.66

Name of District:
Medak (Manoharabad)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			12000			13000
3	Annual consumption for the above new services (in MU)			8.78			9.66

Name of District:
Wanaparthi (Wanaparthi (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			20000			22000
3	Annual consumption for the above new services (in MU)			8.78			9.66

Name of District:
Jogulamba Gadwal (Manopad(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			20000			22000
3	Annual consumption for the above new services (in MU)			8.78			9.66

Name of District:
Kamareddi (Talmadla (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			12000			13000
3	Annual consumption for the above new services (in MU)			8.78			9.66

Name of District:
Nizamabad (Janakampet (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			12000			13000
3	Annual consumption for the above new services (in MU)			8.78			9.66

District wise, Year wise Er

2029-30
wise Projection
132 KV &
Above

Particulars	2030-31 (Year wise Projection)			2031-32 (Year wise Projection)		
	11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:

Medchal-Malkajgiri (Ghatkesar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			30000			30000
3	Annual consumption for the above new services (in MU)			332.07			365.28

Name of District:

Sanga Reddy (Sanathnagar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			30000			30000
3	Annual consumption for the above new services (in MU)			205.34			225.88

Name of District:

Nalgonda (Miryalguda)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			24000			26000
3	Annual consumption for the above new services (in MU)			78.73			86.60

Name of District:

Suyapet (Mattampalli)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			13000			14000
3	Annual consumption for the above new services (in MU)			46.36			51.00

Name of District:

Yadadri-Bhongir (Aler, Ramanapet)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			32000			32000
3	Annual consumption for the above new services (in MU)			252.18			277.40

Name of District:

Mahabubnagar (Krishna, Divitipalli)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			27000			30000
3	Annual consumption for the above new services (in MU)			71.80			78.98

Name of District:

Vikarabad (Vikarabad, Tandur)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			28000			28000
3	Annual consumption for the above new services (in MU)			217.64			239.41

District wise, Year wise Er

S No	Particulars	2030-31 (Year wise Projection)			2031-32 (Year wise Projection)		
		11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:

Hyderabad (Timmapur(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			24000			26000
3	Annual consumption for the above new services (in MU)			10.63			11.69

Name of District:

Medak (Manoharabad)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			15000			17000
3	Annual consumption for the above new services (in MU)			10.63			11.69

Name of District:

Wanaparthy (Wanaparthy (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			24000			26000
3	Annual consumption for the above new services (in MU)			10.63			11.69

Name of District:

Jogulamba Gadwal (Manopad(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			24000			26000
3	Annual consumption for the above new services (in MU)			10.63			11.69

Name of District:

Kamareddi (Talmadla (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			15000			17000
3	Annual consumption for the above new services (in MU)			10.63			11.69

Name of District:

Nizamabad (Janakampet (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			15000			17000
3	Annual consumption for the above new services (in MU)			10.63			11.69

District wise, Year wise Er

Particulars	2032-33 (Year wise Projection)			2033-34 (Year wise Projection)		
	11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:

Medchal-Malkajgiri (Ghatkesar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			35000			35000
3	Annual consumption for the above new services (in MU)			401.80			441.98

Name of District:

Sanga Reddy (Sanathnagar)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			32000			32000
3	Annual consumption for the above new services (in MU)			248.47			273.31

Name of District:

Nalgonda (Miryalguda)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			28000			30000
3	Annual consumption for the above new services (in MU)			95.26			104.79

Name of District:

Suyapet (Mattampalli)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			15000			15000
3	Annual consumption for the above new services (in MU)			56.10			61.71

Name of District:

Yadadri-Bhongir (Aler, Ramanapet)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			35000			35000
3	Annual consumption for the above new services (in MU)			305.14			335.66

Name of District:

Mahabubnagar (Krishna, Divitipalli)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			30000			32000
3	Annual consumption for the above new services (in MU)			86.88			95.57

Name of District:

Vikarabad (Vikarabad, Tandur)

1	No. of services			2			2
2	Contract Demand for the above new service in kVA			30000			30000
3	Annual consumption for the above new services (in MU)			263.35			289.68

District wise, Year wise Er

S No	Particulars	2032-33 (Year wise Projection)			2033-34 (Year wise Projection)		
		11 kV	33 kV	132 kV & Above	11 kV	33 kV	132 kV & Above

Name of District:

Hyderabad (Timmapur(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			28000			30000
3	Annual consumption for the above new services (in MU)			12.86			14.15

Name of District:

Medak (Manoharabad)

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			18000			20000
3	Annual consumption for the above new services (in MU)			12.86			14.15

Name of District:

Wanaparathi (Wanaparathi (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			28000			30000
3	Annual consumption for the above new services (in MU)			12.86			14.15

Name of District:

Jogulamba Gadwal (Manopad(New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			28000			30000
3	Annual consumption for the above new services (in MU)			12.86			14.15

Name of District:

Kamareddi (Talmadla (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			18000			20000
3	Annual consumption for the above new services (in MU)			12.86			14.15

Name of District:

Nizamabad (Janakampet (New))

1	No. of services			1			1
2	Contract Demand for the above new service in kVA			18000			20000
3	Annual consumption for the above new services (in MU)			12.86			14.15

STRK
10.2022
Chief
PDR