

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



AOE/RAC

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AOE/RAC
2/12

MISSION 1000 RKM ELECTRIFICATION OVER S.C. RAILWAY



CRD SECTION
No.

1 DEC 2022

INWARD

Office 6-1-50, Mint Compound

भारत सरकार/Government of India
रेल मंत्रालय/Ministry of Railways
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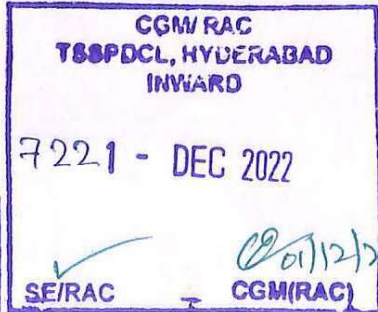
Sub: TSSPDCL-RAC-Resource Plan for 5th & 6th Control periods i.e., FY-2024-25 to FY 2028-29 & FY 2029-30 to 2033-34 – Information on Energy Requirement for category HT-V(A) Railway Traction – Reg.
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Ch. S. Reddy
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Chief Electrical Distribution Engineer
for Principal Chief Electrical Engineer



ADG/RAE

2/12

ADG/RAE

ADG

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:

Wanaparathi (Wanaparathi (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

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:

Wanaparthy (Wanaparthy (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

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-Malkajgiri (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:

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:

Wanaparthy (Wanaparthy (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

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:

Wanaparthy (Wanaparthy (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