

TRANSMISSION CORPORATION OF TELANGANA LIMITED
VIDYUT SOUDHA :: HYDERABAD – 500 082. Off: PABX:040-23396000
Website:Transco.telangana.gov.in CIN No:U40102TG2014SGC094248

Replacement of aged / obsolete equipment & strengthening/improvement works in EHT sub-stations and Transmission lines under Renovation & Modernization Scheme during the FY: 2022-23 - Administrative approval - Regarding.

T.O.O. CE (Transmission) Ms.No.1549

Dt.10.01.2023.

PROCEEDINGS:

TSERC in its Tariff Order dt.20.03.2020 has approved Rs.63.29 Crs. for FY:2022-23 under Renovation & Modernization Scheme for procurement of materials required for replacing the aged / obsolete equipment & Strengthening / Improvement works in Sub-stations and Transmission lines which have completed their full life period. The Chief Engineer/Transmission, TSTRANSCO, Vidyut Soudha, Hyderabad has proposed certain equipment which have completed useful life and need to be replaced in a phased manner under Renovation & Modernization scheme during the FY: 2022-23

2. After careful consideration, TSTRANSCO accords approval for procurement/ execution of Sub-station materials/works, Transmission line works including materials and Telecom works for Rs.63.29 Crores during FY:2022-23 required for replacing the aged / obsolete equipments & strengthening / improvement works, as detailed below under Renovation & Modernization Scheme. The break-up of the materials/works for Rs.63.29 Crs during FY:2022-23 is as detailed below.

Sl.No.	Description of Work to be taken up under RMI 2022-23	Proposed Budget in Lakhs	Remarks
I	Telecom works	800.00	Annexure-I
II	Sub-Stations works		
a	Procurement of Material and Execution of Electrical works	2404.00	Annexure-II.A & AA
b	Shifting of 33KV Equipment & 33KV Feeders underneath of Bus and Strengthening of Bus in EHT Sub-stations	550.00	Annexure-II.B
c	Erection of 2nd set of PTs	223.00	Annexure-II.C
III	Strengthening of Transmission line works	1660.0	Annexure-III
IV	Civil Works	692.00	Annexure-IV
Total		6329.00	

3. In case, if the defined Budget in any particular head is not sufficient during the execution of works under RMI FY: 2022-23, it is to be taken up and revised administrative approval will be issued accordingly, limiting the total scheme cost to Rs.63.29 Crs for FY:2022-23

4. The Chief Engineer/P & MM shall procure the material under Renovation & Modernization Scheme to take up the works by the field Engineers. All the Superintending Engineers/OMC/Circle shall utilize the Budget allotted/ Material allotted to the respective circle.

5. The FA&CCA (Accounts), Vidyut Soudha shall arrange the funds for an amount of Rs.63.29 Cr. for the FY:2022-23 under RMI Scheme through M/s PFC / REC.

6. This order is issued with the concurrence of Joint Managing Director/TSTRANSCO vide Regd No.5244 Dt.24.12.2022.

**(BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF
TELANGANA LIMITED)**

D.PRABHAKAR RAO
Chairman & Managing Director

To
The Chief Engineer/Transmission/TSTRANSCO/Vidyut Soudha/Hyderabad

Copy to:

The Executive Director (Finance)/TSTRANSCO/Vidyut Soudha, Hyderabad.
The FA & CCA (Accounts)/ TSTRANSCO / Vidyut Soudha/ Hyderabad
The Chief Engineer/P&MM/TSTRANSCO/Vidyut Soudha/ Hyderabad
The Chief Engineer/Telecom/TSTRANSCO/Vidyut Soudha/ Hyderabad
The Chief Engineer/ Civil/TSTRANSCO/Vidyut Soudha/Hyderabad
The Chief Engineer/Metro Zone, Rural Zone, Warangal Zone & Karimnagar Zone.
All Superintending Engineers/OMC/TSTRANSCO.
All Divisional Engineers/O&M/TSTRANSCO.
The Superintending Engineer/P&MM O/o. The Chief Engineer/P & MM/
TSTRANSCO/Vidyut Soudha/ Hyderabad.
The Superintending Engineer/Civil/TSTRANSCO/Vidyut Soudha/Hyderabad
The Superintending Engineer/Civil/Metro, Rural, Warangal & Karimnagar
TSTRANSCO/Erragadda/Hyderabad
The Superintending Engineer/Telecom/Metro, Rural, Warangal &
Karimnagar/TSTRANSCO/Hyderabad.
The Divisional Engineer/Lines & Court cases O/o. CE/ Transmission/TSTRANSCO/ Vidyut
Soudha/Hyderabad
The SAO/Budget/ TSTRANSCO/ Vidyut Soudha, Hyderabad

//Forwarded by Order//

Divisional Engineer/SS

Current File:CE(Tr.)/SE(Tr.)/DE(SS)/ADE-1/RMI 22-22 /D.No.701 /2022,Dt: 10.01.2023

Electricity saved is electricity produced//Energy saved is energy produced

Annexure-I

Budget allotted to Telecom circles to execute the works under RMI

Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY:2022-23 (Rs. In Lakhs)
1	SE/Telecom/Metro	2600	200.00
2	SE/Telecom/Rural	2603	200.00
3	SE/Telecom/Warangal	2604	200.00
4	SE/Telecom/Karimnagar		200.00
	Total		800.00

Annexure-II.A

Procurement of Material and Execution of Electrical works in SS and Lines

Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY: 2022-23(Rs. In Lakhs)		
			Material	Works	Total
1	SE/OMC/Metro- Central	5108	27.22	99	126.22
2	SE/OMC/Metro- East	3310	27.22	99	126.22
3	SE/OMC/Metro- West	3300	123.98	99	221.82
4	SE/OMC/Sangareddy	5102	248.8	99	344.33
5	SE/OMC/Nalgonda	5112	160.19	99	256.87
6	SE/OMC/Mahabubnagar	5113	352.00	99	463.89
7	SE/OMC/Warangal	5101	79.05	99	176.89
8	SE/OMC/Khammam	5121	64.03	99	161.88
9	SE/OMC/Nizamabad	5106	73.19	99	171.04
10	SE/OMC/Adilabad	5122	60.88	99	158.72
11	SE/OMC/Karimnagar	5111	98.44	99	196.25
	Total		1315.00	1089	2404.00

Sd/-

Chief Engineer / Transmission

//Forwarded by Order//

Divisional Engineer/SS

Annexure -II.AA
Procurement of Material for replacement of Old and obsolete Equipment

Sl. No	Description of the equipment	M C	M E	M W	S R D	N L G	M B N R	W G L	K M M	K N R	N Z B	A D B	Total	unit cost	Total Cost
1	220KV Feeder C & R Panel						4						4	1021933.33	4087733.32
2	220KV PTR C & R Panel						5						5	1676650.2	8383251
3	132KV PTR Panels			3	7	2	5		2			1	20	1012835.3	20256706
4	132KV Feeder Panels			6	9	4	4		1		3		27	721098	19469646
5	132KV Breakers					7	5	5		7	4		28	625978.89	17527409
6	220V,200AH Tubular Battery sets	1	1	1	1	1	1	1	1	1	1	1	11	664760.32	7312363.5
7	220V,100AH Tubular Battery sets	1	1	1	1	1	1	1	1	1	1	1	11	377760	4155360
8	220V,200AH Battery Chargers	1	1	1	1	1	1	1	1	1	1	1	11	627146	6898606
9	220V,100AH Battery Chargers.	1	1	1	1	1	1	1	1	1	1	1	11	427212	4699332
10	132KV PTs				25	6	10	6			10		57	128935.06	7349298.4
11	33KV PTs			3	9	6	6	3	3	3	3	3	39	29800.68	1162226.52
	Total														101301932
	Add GST @ 18%														119536279
	Add price escalation @10%														131489907
															1315.00 Lakhs

Sd/-
Chief Engineer/Transmission

//Forwarded by Order//

Divisional Engineer/SS

Annexure-II.B

Shifting of 33KV Equipment & 33KV Feeders from underneath of Bus to outside the Bus and
Strengthening of Bus in EHT Sub-stations

Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY:2022-23 (Rs. In Lakhs)
1	SE/OMC/Sangareddy	5102	250
2	SE/OMC/Nalgonda	5112	100
3	SE/OMC/Nizamabad	5106	50
4	SE/OMC/Adilabad	5122	50
5	SE/OMC/Karimnagar	5111	100
	Total		550

Annexure-II.C

Erection of 2nd set of PTs in 132KV and 220KV Sub-Stations

Sl.No	Circle	Name of the Substation	Budget allotted(in Rs. Lakhs)
1	Metro East	220 KV Ghanapur	12.34
2		220KV Shivrapally	12.34
3	Metro West	220 KV Miyapur SS	12.34
4		132 KV RCPuram	12.34
5	Mahabubnagar	220KV SS Mahabubnagar (Bhoothpur)	12.34
6		220KV SS Jurala	12.34
7	Nalgonda	220KV SS Narketpally	12.34
8	Sangareddy	220KV SS Siddipet	12.34
9		220KV SS Eddumailaram	12.34
10		220KV SS Sadashivpet	12.34
11	Warangal	220KV SS Waddekothapally	12.34
12	Khammam	220 KV SS Budidampadu	12.34
13		132KV SS Khammam	12.34
14	Karimnagar	220KV SS Jagtial	12.34
15	Nizamabad	220KV Dichpally SS	12.34
16		220KV Kamareddy SS	12.34
17	Adilabad	220KV SS Nirmal	12.34
18		220KV SS Bellampally	12.34
Total			222.12
			223.00 Lakhs

Sd/-
Chief Engineer / Transmission

//Forwarded by Order//

Divisional Engineer/SS

Annexure-III
Strengthening of Transmission Lines

Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY: 2022-23 (Rs. In Lakhs)
1	E/OMC/Metro- Central	5108	250
2	E/OMC/Metro- East	3310	100
3	E/OMC/Metro- West	3300	100
4	E/OMC/Sangareddy	5102	100
5	E/OMC/Nalgonda	5112	50
6	E/OMC/Mahabubnagar	5113	275
7	E/OMC/Warangal	5101	140
8	E/OMC/Khammam	5121	194
9	E/OMC/Nizamabad	5106	100
10	E/OMC/Adilabad	5122	250
11	E/OMC/Karimnagar	5111	101
	Total		1660.00

Annexure-IV

Civil Works

Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY:2022-23 (Rs. In Lakhs)
1	SE/OMC/Metro- Central	5108	50
2	SE/OMC/Metro- East	3310	70
3	SE/OMC/Metro- West	3300	75
4	SE/OMC/Sangareddy	5102	50
5	SE/OMC/Nalgonda	5112	72
6	SE/OMC/Mahabubnagar	5113	50
7	SE/OMC/Warangal	5101	65
8	SE/OMC/Khammam	5121	65
9	SE/OMC/Nizamabad	5106	65
10	SE/OMC/Adilabad	5122	65
11	SE/OMC/Karimnagar	5111	65
	Total		692.00

Sd/-
Chief Engineer/Transmission

//Forwarded by Order//

Divisional Engineer/SS