



**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: 2020-21 - Administrative approval - Regarding.

T.O.O. CE (Transmission) Ms. No.843

Dt. 16.09.2020.

**PROCEEDINGS:**

TSERC in its Tariff Order dt.20.03.2020 has approved Rs.75.67 Crs. for FY:2020-21 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: 2020-21

2. After careful consideration, TSTRANSCO accords approval for procurement/ execution of Sub-station materials/ related works and Transmission line materials / related works for Rs.75.60 Crores during FY:2020-21 (inclusive of labour / works component) required for replacing the aged / obsolete equipments & strengthening / improvement works, as detailed below under Renovation & Modernization Scheme. The break-up of the materials / related works for Rs.75.60 Crs during FY:2020-21 is as detailed below.

Sl. No	Work / Supply related to	Description of Work to be taken up under RMI 2020-21	Proposed Amount in Lakhs	Remarks
<b>A</b>	<b>Supply of Telecom Material and Erection</b>			
	<b>1</b>	Renovation of Telecom lines	<b>698.00</b>	ANNEXURE-I
<b>B</b>	<b>Lines</b>			
	1	Strengthening of O & M lines (consist of no. of lines of various circles)	<b>2100.00</b>	ANNEXURE-II
<b>C</b>	<b>Substations</b>			
	<b>(a)Material</b>			
	(i)	Procurement of SS material (only material)	<b>1573.00</b>	ANNEXURE-III
	(ii)	Procurement & Installation of Capacitor Banks and associated Equipment( Material only)	<b>500.00</b>	
	<b>(b) Shifting equipment Works</b>			
		Shifting of 33KV Equipment & 33KV Feeders from underneath of Bus to outside the Bus and replacement of certain problematic equipment in Sub-Stations ( Material and labour works of various circles)	<b>600.00</b>	ANNEXURE-IV
	<b>© Earthing improvement Works</b>			
		Earthing Improvement and renovation works in the EHT Substations (Material and labour works of various circles) works names not defined, based on the receipt of works, Budget will utilized from here.	<b>300.00</b>	ANNEXURE-V

Continued.....2

Sl. No	Work / Supply related to	Description of Work to be taken up under RMI 2020-21	Proposed Amount in Lakhs	Remarks
D	Civil Works			
	(i)	Metal Spreading & water supply arrangements to earth pits and Cable trenches in EHT Substations( In Various circles, Names defined)	700.00	ANNEXURE-VI
E	Labour Component of line works & SS works		1089.00	ANNEXURE-VII
		Total	7560.00	

3. In case, if the specified Budget in any particular head is not sufficient during the execution of work under RMI FY: 2020-21, is to be taken up and revised administrative approval will be issued accordingly, limiting the total scheme cost to Rs.75.60 Crs for FY:2020-21.

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 funding tie-up for Rs.75.60 Cr. FY:2020-21 under RMI Budget through M/s. PFC funding / REC funding / Banks etc.

6. This order is issued with the concurrence of Joint Managing Director/TSTRANSCO vide Regd No.3474 Dt. 14.09.2020.

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

**C.SRINIVASA RAO, I.R.A.S  
Chairman & Managing Director (I/C)**

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/Power System/TSTRANSCO/Vidyut Soudha/ Hyderabad  
The Chief Engineer/Construction/TSTRANSCO/Vidyut Soudha/ Hyderabad  
The Chief Engineer/400KV/TSTRANSCO/Vidyut Soudha/ Hyderabad  
The Chief Engineer/IT /TSTRANSCO/VidyutSoudha/ Hyderabad.  
The Chief Engineer/Trg. /TSTRANSCO/CTI/ Hyderabad.

Contd.....3.

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 Superintending Engineer/CTI/Erragadda/TSTRANSCO.  
The Executive Engineer/Civil/O&M/ TSTRANSCO/Erragadda/Hyderabad.  
The Divisional Engineer/Lines & Court cases O/o. CE/ Transmission/TSTRANSCO/ Vidyut  
Soudha/Hyderabad  
The SAO/Budget/ TSTRANSCO/ Vidyut Soudha, Hyderabad  
The Divisional Engineer(T) to the Director/Transmission/ Vidyut Soudha, Hyderabad  
  
The Superintending Engineer (T) to the Chairman and Managing Director/ Vidyut Soudha, Hyderabad

**//Forwarded By Order//**

**Divisional Engineer/SS**

**Current File:CE(Tr.)/SE(Tr.)/DE(SS)/ADE-1/RMI 20-21 /D.No.268/2020,Dt: 16 .09.2020**

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*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:2020-21 (Rs. In Lakhs)
1	SE/Telecom/Metro	2600	175.00
2	SE/Telecom/Rural	2603	420.00
3	SE/Telecom/Warangal	2604	43.00
4	SE/Telecom/Karimnagar		60.00
	Total		698.00

**Sd/-  
Chief Engineer/Transmission**

**Annexure-II**

Budget allotted to OMC circles to execute the Major Transmission lines works under RMI

Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY:2020-21 (Rs. In Lakhs)
1	SE/OMC/Metro- Central	5108	59.38
2	SE/OMC/Metro- East	3310	552.90
3	SE/OMC/Metro- West	3300	291.99
4	SE/OMC/Sangareddy	5102	394.00
5	SE/OMC/Nalgonda	5112	50.00
6	SE/OMC/Mahabubnagar	5113	42.93
7	SE/OMC/Warangal	5101	262.8
8	SE/OMC/Khammam	5121	151.50
9	SE/OMC/Nizamabad	5106	104.00
10	SE/OMC/Adilabad	5122	65.00
11	SE/OMC/Karimnagar	5111	125.50
	<b>Total</b>		2100.00
		Say	2100.00

**Sd/-  
Chief Engineer / Transmission**

**//Forwarded By Order//**

**Divisional Engineer/SS**

ANNEXURE-III

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	Quantity for procurement .	unit cost in Rs.	Total Cost in Rs.
1	132KV PTR C&R Panels	-	3		3	2	2	-	-	-	-	-	10	893920.09	8939200.9
2	132KV Feeder C&R Panels	-	5	4	8	5	3	5	5	5	-	-	40	529029.44	21161177.6
3	132KV CTs (600-300/1-1-1)	-	-	-	-	-	-	-	-	1 3	2	-	15	110715.75	1660736.25
4	220KV SF6 Circuit Breakers	-	1	1	3	2	-	2	2	2	2	-	15	1646816.7	24702250.8
5	132KV SF6 Circuit Breakers	-	3	3	6	4	4	3	2	4	4	-	33	625978.89	20657303.37
6	132KV PTs 2-Core	-	-	-	1 5	-	3	3	-	3	1	-	25	110183.18	2754579.5
7	220KV Isolators W/O ES (800A)	-	-	-	-	-	-	1 0	-	-	-	-	10	128158.56	1281585.6
8	132KV Isolators W/O ES (800A)	-	-	-	-	-	-	8	-	-	2	-	10	80426.71	804267.1
9	200AH Battery sets	Under the control of Chief Engineer/Transmission											13	11586021.5	
10	100AH Battery sets												8		
11	200AH Battery Chargers												8		
12	100AH Battery Chargers.												3		
13	33KV VCBs	3	5	5	1 5	1 5	4	1 0	1 0	1 5	1 5	3	100	226309	22630900
14	33 KV Twin feeder C&R Panels	-	-	-	1 0	5	3	3	3	1 0	3	3	40	378311.7	15132466.4
15	33KV Isolators800A	-	-	-	5	5	5	5	5	5	5	5	40	37016.9	1480676
16	33KV Isolators 1200A	-	-	-	-	-	-	-	2	3	3	2	10	44662	446620
													Total		133237785
													Total in lakhs		1332.37785
													Add GST @ 18%		239.828013
													Total Amount	1572.21	
													say	1573 Lakhs	

Sd/-  
Chief Engineer / Transmission

//Forwarded By Order//  
Divisional Engineer/SS

**ANNEXURE -IV**

Shifting of 33KV Equipment & 33KV Feeders from underneath of Bus to outside the Bus and replacement of certain problematic equipment in Sub-Stations (Material and labour works of various circles)			
Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY: 2020-21 (Rs. In Lakhs)
1	SE/OMC/Metro- Central	5108	20.00
2	SE/OMC/Metro- East	3310	30.00
3	SE/OMC/Metro- West	3300	70.00
4	SE/OMC/Sangareddy	5102	60.00
5	SE/OMC/Nalgonda	5112	50.00
6	SE/OMC/Mahabubnagar	5113	40.00
7	SE/OMC/Warangal	5101	0.00
8	SE/OMC/Khammam	5121	0.00
9	SE/OMC/Nizamabad	5106	30.00
10	SE/OMC/Adilabad	5122	100.00
11	SE/OMC/Karimnagar	5111	200.00
	Total		600.00

**Sd/-**  
**Chief Engineer/Transmission**

**ANNEXURE-V**

Earthing Improvement and renovation works in the EHT Substations (Material and labour works of various circles) works names not defined, work will be executed from here.			
Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY: 2020-21(Rs. In Lakhs)
1	SE/OMC/Metro- Central	5108	30.00
2	SE/OMC/Metro- East	3310	10.00
3	SE/OMC/Metro- West	3300	10.00
4	SE/OMC/Sangareddy	5102	10.00
5	SE/OMC/Nalgonda	5112	75.00
6	SE/OMC/Mahabubnagar	5113	20.00
7	SE/OMC/Warangal	5101	10.00
8	SE/OMC/Khammam	5121	20.00
9	SE/OMC/Nizamabad	5106	50.00
10	SE/OMC/Adilabad	5122	40.00
11	SE/OMC/Karimnagar	5111	25.00
	Total		300.00

**Sd/-**  
**Chief Engineer / Transmission**

**//Forwarded By Order//**

**Divisional Engineer/SS**

**ANNEXURE -VI**

Budget allotted to Execute Civil Works			
Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY:2020-21(Rs. In Lakhs)
1	SE/OMC/Metro- Central	5108	100.00
2	SE/OMC/Metro- East	3310	78.00
3	SE/OMC/Metro- West	3300	100.00
4	SE/OMC/Sangareddy	5102	50.00
5	SE/OMC/Nalgonda	5112	80.00
6	SE/OMC/Mahabubnagar	5113	50.00
7	SE/OMC/Warangal	5101	42.00
8	SE/OMC/Khammam	5121	50.00
9	SE/OMC/Nizamabad	5106	50.00
10	SE/OMC/Adilabad	5122	50.00
11	SE/OMC/Karimnagar	5111	50.00
	<b>Total</b>		<b>700.00</b>

Sd/-  
Chief Engineer/Transmission

**Annexure-VII**

Budget allotted to Labour component of Lines and Substations.

Sl. No.	Name of the Circle /Unit	Unit Code	Allocation of RMI funds of FY:2020-21(Rs.In Lakhs)
1	SE/OMC/Metro- Central	5108	99.00
2	SE/OMC/Metro- East	3310	99.00
3	SE/OMC/Metro- West	3300	99.00
4	SE/OMC/Sangareddy	5102	99.00
5	SE/OMC/Nalgonda	5112	99.00
6	SE/OMC/Mahabubnagar	5113	99.00
7	SE/OMC/Warangal	5101	99.00
8	SE/OMC/Khammam	5121	99.00
9	SE/OMC/Nizamabad	5106	99.00
10	SE/OMC/Adilabad	5122	99.00
11	SE/OMC/Karimnagar	5111	99.00
	<b>Total</b>		1089.00

Sd/-  
**Chief Engineer / Transmission**

**//Forwarded By Order//**

**Divisional Engineer/SS**