

F. No. 367-12/4/2022-GEC
Government of India
Ministry of New and Renewable Energy
(Green Energy Corridor Division)

Atal Akshay Urja Bhawan, CGO Complex, Lodhi Road
New Delhi – 110003; dated 13.02.2023

ORDER

Subject: Revised Sanction to Gujarat under Intra-State Transmission System Green Energy Corridor Phase-II

This is with reference to this Ministry's order no. 367-12/1/2022-GEC dated 04.03.2022 conveying the sanction of the scheme 'Intra-State Transmission System Green Energy Corridor Phase-II (InSTS GEC-II)'. The list of projects sanctioned under the scheme were appended to the said sanction order. A total of 5138 ckm of transmission lines and 5880 MVA substations were sanctioned to Gujarat for evacuation of 4000 MW RE power. The project cost is Rs.3636.73 crore with Central Financial Assistance (CFA) @33% of project cost, i.e. Rs. 1200.12 crore.

2. The implementation agency, Gujarat Energy Transmission Corporation Ltd. (GETCO), vide its letters dated 03.09.2022 & 27.09.2022 and email dated 12.10.2022 had requested for revision of projects under the scheme. The matter was considered in this Ministry. The undersigned is directed to convey the sanction of the competent authority for the following projects (package-wise list) to GETCO under the InSTS GEC-II scheme, in accordance with the scheme guidelines annexed to MNRE order dated 04.03.2022:

Package No.	Name of the Package	Approved Cost (in Rs. Lakh)
1 A	765/400 kV GIS substation in Saurashtra (i) 2 Nos. of 765 kV feeder bays (ii) 6 Nos. of 400 kV feeder bays (iii) 765 kV, 1 x 330 MVAR Reactor Bay (iv) 400 kV, 1 x 125 MVAR Reactor Bay	26329
1 B	765/400 kV substation in Saurashtra (i) 765/400 kV, 2 x 1500 MVA transformers (ii) 765 kV, 1 x 330 MVAR Reactor (iii) 765 kV, 2 x 240 MVAR Line Reactor (4) 400 kV, 1 x 125 MVAR Reactor	14578.5
2 A	400/220/66 kV Kalavad GIS substation (Dist. Jamnagar) (i) 400/220 kV, 3 X 500 MVA Transformer Bays (ii) 8 Nos. of 400 kV feeder bays (iii) 400 kV, 1 x 125 MVAR Reactor Bay	11952.7

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2 B	400/220/66 kV Kalavad GIS substation (Dist. Jamnagar) (i) 400/220 kV, 3 X 500 MVA transformers (ii) 400 kV, 1 x 125 MVAR Reactor	4253
3 A	400/220/66 kV Shivilakha GIS substation (Dist. Kutch) (i) 400/220 kV, 2 X 500 MVA Transformer Bays (ii) 220/66 kV, 2 X 160 MVA Transformer Bays (iii) 4 Nos. of 400 kV feeder bays (iv) 400 kV, 1 x 125 MVAR Reactor Bay (v) 6 Nos. of 220 kV & 8 Nos. of 66 kV feeder bays	14108.05
3 B	400/220/66 kV Shivilakha GIS substation (Dist. Kutch) (i) 400/220 kV, 2 X 500 MVA transformer (ii) 220/66 kV, 2 X 160 MVA Transformer (iii) 400 kV, 1 x 125 MVAR Reactor	4331
4 A	400/220 kV Babarzar GIS substation (Dist. Jamnagar) (i) 400/220 kV, 2 X 500 MVA Transformer Bays (ii) 4 Nos. of 400 kV feeder bays (iii) 400 kV, 1 x 125 MVAR Reactor Bay	8656.45
4 B	400/220 kV Babarzar GIS substation (Dist. Jamnagar) (i) 400/220 kV, 2 X 500 MVA Transformers (ii) 400 kV, 1 x 125 MVAR Reactor	3071
5 A	220 kV Dhama substation (Dist. Surendranagar) (i) 220/66 kV, 2 X 160 MVA Transformer Bays (ii) 4 Nos. 220 kV, 6 Nos. 66 kV feeder bays.	2343.6
5 B	220 kV Dhama substation (Dist. Surendranagar) (i) 220/66 kV, 2 X 160 MVA Transformers	1260
6 A	220 kV Munjpur substation (Dist. Patan) (i) 220/66 kV, 2 X 160 MVA Transformer Bays (ii) 6 Nos. 220 kV, 6 Nos. 66 kV feeder bays.	2675.4
6 B	220 kV Munjpur substation (Dist. Patan) (i) 220/66 kV, 2 X 160 MVA Transformers	1260
7	765 kV, 2 x 240 MVAR Line Reactors in 765kV Vataman Substation	4000
8	400 kV, 2 x 50 MVAR Line Reactors in 400kV Paccham S/S	1000
9	400 kV, 2 x 50 MVAR Line Reactors in 765kV Saykha S/S	1000
10	200 km, 765 kV D/C Saurashtra - Vataman line	80000
11	160 km, 765 kV D/C Pachchham (Fedra) - Sayakha line (765 kV line initially to be charged at 400 kV level)	64000
12	120 km, 400 kV D/C Kalvad - Saurashtra line (Twin AL-59)	19800
13	25 km, LILO of both circuits of 400 kV D/C CGPL - Jetpur line at Saurashtra substation (M/C line)	12300
14	115 km, 400 kV D/C Shapar – Chharodi line (Twin AL-59)	18975

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15	25 km, LILO of both circuits of 400 kV D/C Mundra - Zerda line at Shivilakha substation	12300
16	25 km, 400 kV D/C Sayakha - Jhanor (NTPC) line OR LILO of 400 kV S/C Jhanor - Sugan (TPGL) line at 400 kV Sayakha substation	4125
17	25 km, 400 kV D/C line for reconfigurations to have 400 kV D/C Chorania - Kosamba & 400 kV D/C Fedra - Sanand (Chharodi) line	4125
18	50 km, 400 kV D/C Sanand (Chharodi) - Soja line (by using LILO portion of Halvad - Vadavi LILO at Sanand)	8250
19	5 km, LILO of both circuits of 400 kV D/C Bhogat – Kalavad line at Babarzar substation	2460
20	20 km, LILO of both circuit of 220 kV D/C Tappar – Shivilakha line at Shivilakha (400 kV) substation (M/C tower AL-59)	3200
21	20 km, LILO of both circuits of 220 kV D/C Shapar - Babara line at 220 kV Kamlapur substation (AL-59)	3200
22	35, LILO of both circuit of 220 kV D/C Sagapara - Talaja line at Maglana substation (M/C tower AL-59)	5600
23	30 km, 220 kV D/C Munjpur - Mehsana line (by using existing 220 kV Sankhari - Mehsana & Veloda - Mehsana line)	2100
24	30 km, 220 kV D/C Dhama - Munjpur line (AL-59)	2100
25	20 km, LILO of both circuits of 220 kV D/C Jambuva - Karamsad line at Dhuvan CCPP (by using existing LILO portions and through 220 kV D/C Pachham - Kasor line)	1400
26	90 km, 220 kV D/C Maglana - Pachchham line (AL-59) on M/C line to have reconfigurations to establish 220 kV D/C Botad - Kasor line	14400
27	Augmentation of Existing Substations: (i) 400/220 kV - 3 x 500 MVA transformers- 2 nos. at Charanka substation and 1 no. at Amreli substation (ii) 220/66 kV - 7 x 160 MVA transformers – 1 no. each at Amreli, Mesanka, Savarkundla, Otha, Sagapara, Talaja & Charanka substations	7575
Total Cost (in Rs. Lakh)		366729

3. The revised project is for setting up 2470 ckm transmission lines and 7460 MVA capacity of substations for evacuation of around 5100 MW of RE power. The revised project cost, as per the CEA's report, is Rs. 3667.29 crore. However, as mentioned in the MNRE sanction order dated 04.03.2022, the Central Financial Assistance (CFA) for a particular state shall be limited to the CFA as approved by the CCEA for that particular state. **Therefore, the CFA would be limited to the amount sanctioned to Gujarat, i.e. Rs. 1200.12 crore. Any additional costs shall be borne by GETCO.**

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4. The CFA would be disbursed as per the scheme guidelines annexed to MNRE order dated 04.03.2022 and any amendment issued thereto. GETCO is request to initiate the tendering process expeditiously so as to award all the packages by 31.12.2023.

5. This sanction is issued in exercise of the delegated powers conferred on the Ministry and in consultation of IFD vide their diary no. 289 dated 10.02.2023.

of Rohit Thakwani
13/02/2023
(Rohit Thakwani)
Scientist 'C'

Email id: rohit.mnre@gov.in

To

1. Principal Secretary (Energy), Government of Gujarat
2. Principal Director of Audit, Scientific Departments, DGACR Building, IP Estate, Delhi
3. Managing Director, GETCO
4. Chief Engineer (PSPA-I), CEA
5. Chief Engineer (PSPM), CEA
6. Chairman & Managing Director, IREDA – *Central Nodal Agency for GEC scheme*

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- v. The Pay & Accounts Officer, MNRE
- vi. Director (NIC) to upload this on the Ministry's website
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