



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

Reg. Office: Vydyuthi Bhavanam, Pattom, Thiruvananthapuram - 695 004

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ABSTRACT

TransGrid 2.0- Green Energy Corridor II Projects –Administrative Sanction accorded - orders issued.

Corporate Office(SBU-T)

B.O.(DB)No. 394/2020/D(T&SO)/T7/TransGrid/GEC/20-21 dated,Thiruvananthapuram, 08.06.2020

- Read: 1) B.O(DB) No.868(D(T&SO)/PSE/LTTP/2015-16/ Thiruvananthapuram, Dated 16.03.2016
2)Note No:D(T&SO)/T7/TransGrid/GPC/2020-21 dated 20.05.2020 of Chairman & Managing Director
3) Proceedings of the 53rd meeting of the Board of Directors held on 25.05.2020 vide Agenda 20-05/20

ORDER

KSEBL as per BO read 1 above had approved the works pertaining to evacuation of power from Renewable resources proposed to be carried out under the Green Corridor Project funding for an estimated amount of Rs 2500 Crores. Subsequently, Chief Engineer, TransGrid had submitted the DPRs for the projects coming under GEC –II before the DPR committee held on 24.04.2020.

The DPR committee after detailed deliberations approved the DPRs subject to the revision of the same after incorporating the upcoming Floating Solar Schemes in Idukki Reservoir in the DPR. Based on the above, the Chief Engineer, TransGrid has forwarded the revised DPRs for the execution of Green Energy Corridor – II with an estimated amount of Rs. 1242.30 Crores (Rupees One Thousand Two Hundred and Forty Two Crores and Thirty Lakhs only) which includes the following components for favour of Administrative Sanction and for submitting the same before the CEA for Green Energy Fund approval from MNRE.

- a. NORTH GREEN POWER CORRIDOR PROJECT -This project envisages establishing a green power corridor between Wayanad and Kasargod Districts interconnecting the renewable energy source from Kasargode area to Mysore –Areakode link. The corridor will act as a power highway connecting Kasargode, Kannur, Wayanad and then to Mysore/Kozhikode/ Thrissur through the existing 400kV line, which will provide access to South Kerala for the evacuation of Green power generated. The total project cost comes to **Rs 813.40 crores** which consists of the following components.

- Construction of a 400kV GIS Substation at Payyampalli in Wayanad

- Construction of 5.25 km of 220 kV MC LILO line of Kaniyampetta-Mysore line to the 400 kV Wayanad Substation
 - Construction of 124 km of Double Circuit 400kV Twin HPC-ACSS line (Quad Moose equivalent line) from 400kV Substation at Payyampalli in Wayanad to 400kV Substation at Cheemeni in Kasaragode.
- b. ATTAPPADY GREEN POWER CORRIDOR PROJECT which envisages the construction of a reliable power transmission corridor capable of transporting up to 200 MW of green power from the Attapady region to the existing KSEB power grid. The project cost comes to **Rs 233 crore** which consists of the following components.
- Construction of 33/ 220kV Step up Substation at Kottathara, Agali.
 - Construction of 220kV DC feeder from 220kV New Mannarkkad GIS to the Kottathara Substation.
 - Construction of 220/110kV GIS Substation at Mannarkad
 - Construction of 220kV Double Circuit line from Vettathur Tap point to New Mannarkkad GIS Substation.
 - Supply and installation of 1MW Solar Plant in the Substation premises of Kottathara Substation.
- c. RAMAKKALMEDU GREEN POWER CORRIDOR PROJECT aims at constructing a reliable power transmission corridor capable of transferring up to 100MW wind power from the Ramakkalmedu area and 300MW of solar power from Kattappana / Vazhathope area to Kuyilimala (LILO location of 220kV Udumalpet – Idukki Single Circuit feeder) in Idukki District with minimum loss. The project cost comes to **Rs 195.90 Cr** which consists of the following components
- Construction of 33/110 kV Step up Substation at Anakkamedu (Near Ramakkalmedu)
 - Construction of 9km, 110kV DC line from Anakkamedu (Near Ramakkalmedu) to Nedumkandom Substation.
 - Construction of 2 nos 110kV feeder bays at Nedumkandom and Vazhathope Substations.
 - Construction of 20km 220/110kV MCMV line (up gradation) from Nirmala City (Near Kattappana) to Kuyilimala LILO point and 5km 110kV DC line with ACSR Kundah Conductor from Nirmala city to Kattappana along the right of way of the existing 66kV SC line.
 - Construction of a 220/110kV GIS Substation at Nirmala City (Near Kattappana).

As per the information from MNRE, 40 % of the project cost is proposed to be funded as grant, 40% as soft loan from KFW and remaining 20 % from own funds. The Department of

Expenditure, Ministry of Finance has issued in-principle sanction to Ministry of New and Renewable Energy for 40% Central Grant in GEC –II.

The Full Time Directors meeting held on 19.05.2020 examined the proposal in detail and decided to place it before the Board of Directors for Administrative Sanction and to forward the DPRs to the CEA due to time limit. Accordingly the matter was placed before the Board of Directors as per note read as 2nd above.

Having considered the matter in detail, the Board of Directors in the meeting held on 25.05.2020 **Resolved** to accord Administrative Sanction for an amount of Rs. 1242.30 Crores (Rupees One Thousand Two Hundred and Forty Two Crores and Thirty Lakhs only) for the implementation of the Projects mentioned under GEC II scheme.

Resolved Further to request the Government of Kerala for getting sanction for availing KFW loan to the extent of 40 % of the project cost since it affects the borrowing power of the State.

Orders are issued accordingly.

By Order of the Director Board,
Sd/-
Lekha G.
Company Secretary (In- Charge)

To :

The Chief Engineer (TransGrid)

Copy to:

The Chief Engineer(Transmission South/North)

The Deputy CE(TransGrid North/South//) The Deputy CE(IT)

The Financial Adviser/ The Chief Internal Auditor.

The RCAO/ RAO.

The TA to Chairman & MD/ D(T&SO)/ D(D & IT)/ D(G-C&HRM)/ D(CP,G-E, SCM&S)/

The Executive Engineers(TransGrid)

The PA to Director (Finance)/CA to Company Secretary

Fair Copy Superintendent/Library/Stock File.

Forwarded / By Order



Assistant Engineer