



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

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

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ABSTRACT

North Malabar Lines Package under TransGrid 2.0- Construction of 220/110 kV MCMV line from Thalassery to Kunnamangalam -Administrative Sanction accorded -Orders issued.

Corporate Office(SBU-T)

B.O.(FTD)No. **361 /2020/D(T,SO&S)/T7/TransGrid/NMLP-II/20-21** dated,Thiruvananthapuram, **28 .05.2020**

Read: (1) B.O(DB)No.897/2019/D(T&SO)/T7/TransGrid/GI/19-20 dated 03.12.2019

(2) Note No : D(T,SO &S)/T7/TransGrid/NMLP-II/2020-21/165 dated 19.05.2020 of the Director(T,SO&S) submitted to the Full Time Directors(Agenda 44/5/20)

ORDER

The Chief Engineer (TransGrid) submitted a Detailed Project Report with the estimate for an amount of Rs 232.97 crores (Rupees Two hundred and thirty two crores and Ninety Seven lakhs only) for the North Malabar Lines Package which involves the construction of 220/110 kV MCMV line from Thalassery to Kakkayam (NMLP-Project-A) & 220/110 kV MCMV line from Kakkayam to Kunnamangalam (NMLP-Project-B) under TransGrid 2.0.

The proposal includes :

A) Construction of 58 km of 220kV MCMV transmission line from Powerloom metta in Kannur district to Kakkayam in Kozhikode district through the existing Right of Way (ROW) of 66kV OHL and 110kV double circuit OHL for an amount of Rs 158.22 crore

B) Construction of 30 km of 220kV MCMV transmission line from Kakkayam to Kunnamangalam in Kozhikode district through the existing Right of Way (ROW) of 110kV double circuit OHL for an amount of Rs 74.75 crore

This project envisages the construction of 220/110kV MCMV transmission line with 22m reduced RoW to avoid additional land requirement, public protests and compensation issues. Special towers KL series KLA, KLB, KLC, KLD and GL series towers GLA, GLB, GLC, GLD are proposed for the purpose of 220/110 kV line in reduced RoW and its selection will be based on tower footing space availability at each location. Twin Panther conductor is proposed for 220 kV side and single Panther conductor for the 110 kV side. The project completion period will be 24 months for Project A and 18 months for Project B.

The project is included in the TransGrid Project-Phase II and is to be funded from KIIFB. The Load flow study conducted is confirming the benefits and technical feasibility. The peak load system loss

is seen to be reduced by 16.6MW which corresponds to an average annual energy savings of about 80.42 MU. The IRR value calculated is 9.52 % .

The DPR committee held on 24.04.2020 approved the proposal and decided to place the matter before the FTD for approval. Sanction had been accorded as per order read as 1st above for the Phase -II works of the TransGrid 2.0 package amounting to Rs.2172 Cr. The Board has also authorized the Full Time Directors to accord Administrative Sanction for the estimate for individual works in Phase -II.

The Director (T, SO&S), as per note read as 2nd above elaborated on the technical and financial viability and necessity of the project and placed the proposal before the Full Time Directors.

Having considered the matter in detail, the Full Time Directors in the meeting held on 22.05.2020, Resolved to accord Administrative sanction for the following.

1. Construction of 58 km of 220kV MCMV transmission line from Thalassery in Kannur district to Kakkayam in Kozhikode district through the existing Right of Way (RoW) of 66kV OHL and 110kV Double circuit OHL as part of TransGrid 2.0 project at an estimated cost of **Rs 158.22 crore**
2. Construction of 30 km of 220kV MCMV transmission line from Kakkayam to Kunnamangalam in Kozhikode district through the existing Right of Way (RoW) of 110kV double circuit OHL ,as part of TransGrid 2.0 project at an estimated cost of **Rs 74.75 crore**

Further resolved to accord sanction to submit the DPR of North Malabar Lines package(Phase-II) to KIIFB for securing funding as part of TransGrid 2.0 project.

Orders are issued accordingly.

By Order of the Full Time Directors,

Sd/-

Lekha G.

Company Secretary (In- Charge)

To :

The Chief Engineer (TransGrid)

Copy to:

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

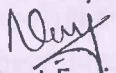
The Financial Adviser/ The Chief Internal Auditor.

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 PA to Director (Finance)/CA to Company Secretary

Forwarded / By Order


Assistant Engineer

**Appended to B.O(FTD) No.361/2020/D(T,SO&S)/T7/TransGrid/NMLP-II/20-21
dated 28.05.2020**

NORTH MALABAR LINES PACKAGE - PHASE II

(Turnkey Contract for Engineering, Procurement, Contracting for supply of materials, labour


Estimate Part A :

Construction of 220/110kV MCMV transmission line from Powerloom metta to Kakkayam

Abstract Estimate - Administrative Sanction

Sl No.	Particulars	Total Amount - Rs (All inclusive cost)
1	Materials and Spares	83,35,62,804.72
2	Labour Charges - Electrical	70,61,58,201.65
3	Labour Charges - Civil	
	Sub total - Material & Labour	1,53,97,21,006.37
4	Compensation - Tower Footing	3,30,21,400.00
5	Compensation - RoW	0.00
6	Compensation - Tree Cutting	58,44,300.00
	Sub Total - Compensation	3,88,65,700.00
7	Statutory Approval Charges (Inspectorate, PTCC, GAIL, Railway, Distribution Licencee)	36,13,600.00
	Sub Total : Rs Materials+Labour+Compensation+ Approval Charges	1,58,22,00,306.37
8	Less - Scrap Dismantled Items	0.00
	Total Amount- Rs	1,58,22,00,306.37

Forwarded / By order


Assistant Engineer

Appended to B.O(FTD) No.361/2020/D(T,SO&S)/T7/TransGrid/NMLP-II/20-21
dated 28.05.2020

NORTH MALABAR LINES PACKAGE - PHASE II

Estimate Part B :

Construction of 220/110kV MCMV transmission line from Kakkayam to Kunnamangalam

Abstract Estimate - Administrative Sanction

SI No.	Particulars	Total Amount - Rs (All inclusive cost)
1	Materials and Spares	37,98,80,039.19
2	Labour Charges - Electrical	34,83,34,323.49
3	Labour Charges - Civil	
	Sub total - Material & Labour	72,82,14,362.68
4	Compensation - Tower Footing	1,26,01,600.00
5	Compensation - RoW	0.00
6	Compensation - Tree Cutting	31,00,000.00
	Sub Total - Compensation	1,57,01,600.00
7	Statutory Approval Charges (Inspectorate, PTCC, GAIL, Railway, Distribution Licencee)	36,13,600.00
	Sub Total : Rs Materials+Labour+Compensation+ Approval Charges	74,75,29,562.68
8	Less - Scrap Dismantled Items	0.00
	Total Amount- Rs	74,75,29,562.68

Forwarded/By order

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Assistant Engineer