



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

Reg. Office: Vidyuthi Bhavanam, Pattom,

Thiruvananthapuram – 695 004

CIN :U40100KL2011SGC027424

Website: www.kseb.in

Phone No: 04712514576, 2446885, 9446008884

E-mail: mtkseb@ksebnet.com, dtkseb@kseb.in

ABSTRACT

Upgradation of 66kV substation, Kuttanadu to 110kV along with upgradation of Kuttanadu - Poopally portion of 66kV Kuttanadu - Alappuzha SC feeder to 110kV DC feeder under Transmission Circle, Alappuzha – Administrative Sanction accorded - orders issued.

Corporate Office (SBU-T)

B.O.(FTD)No.626/2019(D(T&SO)/T1/Kuttanadu/2019-20),Thiruvananthapuram,dated 14.08.2019

Read: Note No. D(T&SO)/T1/Kuttanadu/2019-20/45 dtd. 07.08.2019 of the Director
(Transmission & System Operation) (Agenda 34/8/19)

ORDER

66kV Substation Kuttanadu, commissioned in 2006 with capacity 2x10MVA, is normally fed from 220kV substation, Pallom through 66kV Pallom – Kuttanadu SC feeder with an alternate source of 66kV Kuttanadu- Alappuzha SC feeder. For avoiding supply interruption in Alappuzha District Headquarters, Administrative Sanction was accorded vide order No.705/2017 dtd 20.3.17 for the work of construction of a new 110kV Substation in the Power House compound, Alappuzha by upgrading the Pooppally – Alappuzha portion of 66kV Kuttanadu - Alappuzha SC feeder to 110kV DC feeder for an estimate amounting to Rs. 30.9 Cr. With the upgradation of Alappuzha Substation, the alternate feeding for Kuttanadu Substation will not be available and Kuttanadu has to depend only on 66kV Pallom - Kuttanadu feeder. The 66kV Pallom - Kuttanadu feeder is of length 18.6 km and the major portion of the line passes through paddy fields. Interruption on this feeder will result in total blackout of the substation in case alternate source of supply is not available and hence the project is envisaged. The work involves

1. Replacement of existing transformers (with 2x12.5MVA, 110/11kV transformers), equipments and panels with that of 110kV rating for upgrading the substation which is constructed in 110kV standards.
2. Constructing LILO arrangement of existing 110kV Punnapra - Kodimatha feeder using the right of way of Poopally - Kuttanadu portion of 66kV Alappuzha - Kuttanadu feeder. (110kV Punnapra - Kodimatha feeder is crossing 66kV Alappuzha - Kuttanadu feeder at Poopally).

The estimate amount comes to Rs. 1420 lakh including GST @ 18%. The cost of line works is estimated to be Rs. 1020 lakh and that of substation upgradation as Rs. 400 lakh.

Having considered the above, the Full Time Directors in the meeting held on 08.08.2019,

Resolved to accord Administrative sanction for the work of “Upgradation of 66kV Substation Kuttanadu to 110kV along with upgradation of Kuttanadu - Poopally portion of 66kV Kuttanadu - Alappuzha SC Feeder to 110kV DC Feeder” under Transmission Circle, Alappuzha for an estimate amount of Rs. 14.20 Cr. (Rupees Fourteen Crore Twenty Lakh only).

Further resolved to explore the possibility of including the project under Kuttanadu Package in consultation with the State Planning Board.

Orders are issued accordingly.

By Order of the Full Time Directors
sd/-
Lekha.G
Company Secretary (In- Charge)

To

The Chief Engineer (Transmission South)

Copy to:

The Deputy Chief Engineer, Transmission Circle, Alappuzha

The Financial Adviser/The Chief Internal Auditor

The Deputy Chief Engineer (IT)

The RCAO/The 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)/Secretary (Administration).

The Fair Copy Superintendent.

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Assistant Engineer

Annexure to B.O.(FTD)No. 626/2019(D(T&SO)/T1/Kuttanadu/2019-20), Thiruvananthapuram,
dated 14.08.2019

KERALA STATE ELECTRICITY BOARD LIMITED		
Abstract of Estimate for the "Upgradation of 66kV substation Kuttanadu to 110kV along with upgradation of Kuttanadu-Pooppally portion of 66kV Kuttanadu-Alappuzha SC feeder to 110kV DC feeder" - Abstract of estimate		
Sl.No	Item description	Amount in Rs in lakh
1	Part A - Cost of constructing the Substation including associated civil works	400
2	Part B - Cost of upgradation of Kuttanadu-Pooppally portion of 66kV Kuttanadu – Alappuzha feeder	1020
	TOTAL COST OF THE PROJECT	1420
	Rupees Fourteen Crore Twenty Lakh Only	
3	Cost of Taken Back materials	
(a)	Sub Station Equipments	103.04
(b)	Line materials	10.36
	TOTAL COST OF TAKEN BACK MATERIALS	113.40

Forwarded/By Order



Assistant Engineer