



KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

Registered Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram – 695 004

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ABSTRACT

KFON Project - Replacing of 24F in Edappon Kundara existing OPGW with 48F OPGW under KFON Project - Sanctioned - Orders issued.

B.O.(FTD) No. **36** /2024(CEIT/RITU/KFON/OPGW Issues/2023-24) Thiruvananthapuram.

Dated: **20.01.2024**

- Read :
1. B.O.(FTD)No.690/2021(CEIT/RITU/KFON/OPGW/21-22) dated 22.09.2021.
 2. B.O.(FTD)No. 793/2022(CEIT/RITU/KFON/OPGW issues) dated 27.09.2022.
 3. B.O.(FTD)No. 924/2022(CEIT/RITU/KFON/Link approval) dated 28.11.2022.
 4. Letter No.KSITIL/KFON/2023-24/179 dated 17.11.2023 from Project Head, KFON.
 5. Letter No CESO/Tech/Reliable Communication/OPGW/23-24 /1684 dated 22.11.2023 of CE (Trans-SO) to the Director (Trans.& SO).
 6. Note No. CEIT/RITU/KFON/OPGW Issues/2023-24 dated 26.12.2023 of Chief Engineer (IT,CR & CAPs) submitted to the Full Time Directors. (Agenda No :01/2024) **31-01/2024**

ORDER

KSEBL, as per B.Os read as 1st, 2nd & 3rd above, had accorded sanction for replacing the existing 24F OPGW with 48F OPGW in 29 Nos. 110 kV links under Package-A of KFON project, subject to the following Instructions/Conditions to KSITIL.

1. KSITIL/BEL to take utmost care so that the dismantled OPGW can be utilised in other locations, as earth wire or for short distance OPGW requirements.
2. Replace the existing 24 F OPGW with KFON 48F OPGW in the above links only after establishing alternate communication links (wherever data communication exists) before dismantling the existing 24F.
3. The warranty of the replaced 48F OPGW shall be in line with KFON project (7 years).
4. The OPGW drawn shall remain the asset of KSEBL in all cases. The OPGW installations shall be covered in the maintenance by KFON. Some of the lines are having defect liability by the transmission contractors for some more period. Hence, before commencement of the work, proper documentation is to be made by KFON through CE (Transgrid) and the work shall be done in strict compliance to the mutually agreed terms between the Transgrid contractor and KFON.
5. KSITIL shall be given detailed instructions regarding removed cables, transportation and storage.
6. KFON shall mitigate the risk involved appropriately, which shall be worked out in advance.

Further, KSITIL, as per letter read as 4th above, has reported that the Core Paths of KFON in the stretches Kundara-Sasthamkotta and Sasthamkotta - Punnapra are in ADSS OFC and frequently interrupted. In order to have reliability in the Core path of KFON, two links viz. 110kV Edappon - Sasthamkotta and 110kV Sasthamkotta - Kundara (with existing OPGW links) are to be upgraded from 24 F to 48 F. M/s KFON requested sanction for the upgradation of the above two OPGW links from 24F to 48F under Package-A of KFON project.

The Chief Engineer (Transmission-System Operation) agreed the proposal & has submitted the remarks on the above links as per letter read as 5th above.

The matter was placed before the Full time Directors, as per the note read as 6th above.

Having considered the matter in detail, the Full Time Directors resolved to accord sanction to allow KSITIL/KFON to replace the existing 24F OPGW with 48F OPGW in the links 110kV Edappon-Sasthamkotta & 110kV Sasthamkotta - Kundara, under Package-A of the KFON project subject to the following conditions:

1. The Guarantee of the replaced OPGW shall be in line with the the KFON Project (7 Years AMC)
2. The OPGW drawn shall remain the asset of KSEBL in all cases.
3. As there is critical data communication & services through the existing OPGW, alternate redundant path for establishing existing data communication and services as per the directions of KSEBL shall be established by KFON and a plan in this regard need to be received from KFON. Also M/s. KSITIL /KFON shall re-establish all the services once the work is completed.
4. KSITIL/KFON shall take steps to complete the work in the shortest possible period by deploying more manpower (skilled).
5. KSITIL/KFON shall be instructed to take utmost care while dismantling the existing OPGW (24F) so that the same can be utilized in other locations as earth wire or for short distance OPGW requirements.
6. Dismantled OPGW Cables shall be handed over to the System operation Wing.
7. KSITIL shall be given detailed instructions regarding removed cables, transportation and storage.
8. KFON shall mitigate the risk involved appropriately, which shall be worked out in advance.
9. Connectivity to Sasthamcotta SS has to be completed by drawing OPGW in the LILO portion to Sasthamcotta SS and this portion shall be included under package -B of KFON project.

Orders are issued accordingly.

By Order of the Full Time Directors

sd/-

LEKHA G
COMPANY SECRETARY

To:

1. The Chief Engineer (IT,CR & CAPs)
2. The Chief Engineer (Trans-System Operation)
3. The Chief Engineer (Transgrid)
4. The Chief Engineer (Transmission-South)

Copy to:

The Company Secretary/ Financial Advisor/ LA&DEO/ Chief Internal Auditor
The Deputy Chief Engineer, Transmission Circle, Alappuzha/ Kottarakkara
The TA to the Chairman & Managing Director / Director (Generation-Civil)/
Director (Distribution, Safety, SCM) / Director (Transmission, SO & Planning)/
Director (Generation - Electrical, REES, SOURA, Sports & Welfare)
The PA to the Director (Finance & HRM)
The Sr.CA to the Secretary (Administration)
Stock File

Forwarded / By Order



Assistant Engineer