



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956) CIN: U40100KL2011SGC027424

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Abstract

Adyanpara SHEP (2x1.5+0.5MW) - Protection works - RCC retaining wall and RR masonry wall above tunnel portal for protection against land slide - Sanctioned - Orders issued.

Corporate Office (SBU-G/E)

B.O. (FTD)No. 297/2019 (DGE/G2/Adyanpara /2018-19) Thiruvananthapuram. Dated: 03 - 04 - 2019

- Read:-
1. B.O.D (CP,GE,SCM&S)No.2424/2017 (D(GE)/G2/Adyanpara/2017-18) dated 27-09-2017.
 2. Office Order(DCP,GE,SCM&S) No. 660/2018 (D(GE)/G2/Adyanpara/2018-19) dated 26-10-2018.
 3. Letter No. CEG/AE(C)/Civil-Gnl/TCR/2018-19/2284 dated 18-03-2019 and No. 2325 dated 23-03-2019 of the Chief Engineer (Generation & PED).
 4. Note No. D(GE)/G2/Adyanpara /2018-19 dated 26-03-2019 of the Director (CP,GE,SCM&S) to the Full Time Directors (Agenda No. 79/3/19).

ORDER

The Adyanpara SHEP with 3.5MW capacity and average annual generation of 9.01 MU, was commissioned on 03-09-2015 and was handed over to Generation Division, Poringalkuthu on 02-12-2016. The water conducting system consists of Intake gate, desilting chamber, trash rack in the tunnel face, 969m tunnel, surge tank, BFV, Penstock, MIV, Drain pipes, turbine and tail race. The intake gate, desilting chamber, trash rack and tunnel mouth are located 1.5 km away from powerhouse at Mayampilli weir.

Due to land slide which occurred at the Adyanpara SHEP site in September 2017 the trash rack was totally damaged and a lot of boulders and earth had fallen which obstructed the flow in the tunnel and the generation was completely stopped. The clearing of debris in the desilting chamber and other related works resulted from the land slide was carried out at an estimated cost of Rs. 50 lakh, as per B.O read as 1st paper above.

Subsequently, during the natural calamity that hit the State during 2018 monsoon, heavy flood and recurrent landslides had caused huge damages to Tunnel Portal, Penstock, Power house etc. and the Plant was under shut down from 13-06-2018. It is reported that the generation was resumed after carrying out rectification works viz; removing the earth and rocks from the weir, tunnel portal, desilting chamber, tunnel, surge, penstock pipes etc. at an estimated amount of Rs. 43 lakh. In addition to the above, reconditioning of Generators was carried out at an estimated cost of Rs. 13.5 lakh, as per Office Order read as 2nd paper above.

Since the site of Adyanpara SHEP has prevalence for landslides and had faced huge landslides in 2017 and 2018 resulting in major damages, the Chief Engineer (Generation & PED) has proposed urgent protection work in the intake area over tunnel mouth in order to protect the SHEP from such damages due to natural disasters. The Chief Engineer (Generation & PED) prepared an estimate amounting to Rs. 1,50,00,000/- for the protection works such as RCC cantilever retaining wall etc, and has requested direction for sanctioning the estimate for the work.

Having considered the matter in detail vide Note read as 4th paper above, the Full Time Directors meeting held on 28-03-2019, resolved to accord sanction to Chief Engineer (Generation & PED) to carry out the protection works at Adyanpara SHEP (2x1.5+0.5MW), amounting to Rs. 1,50,00,000/-.

Orders are issued accordingly.

By Order of the Full Time Directors,

Sd/-

Lekha G.

Company Secretary (In charge)

To

The Chief Engineer (Generation & PED), Moolamattom.