



KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

Registered Office: Vydyuthi Bhavanam, Pattom,

Thiruvananthapuram – 695 004

CIN: U40100KL2011SGC027424

Website: www.kseb.in

ABSTRACT

Barapole SHEP - Rectification work of power canal of Barapole SHEP - Conducting Geophysical Investigation study through M/s PARSAN Overseas Pvt. Ltd., New Delhi - Sanction accorded - Orders issued.

CORPORATE OFFICE (SBU-G/C)

BO (FTD)No.484/2023(DGC/AEE-VI/BRPL/2014)

Thiruvananthapuram,Dated: 14.11.2023

Read: 1. B.O. (FTD)No. 366/2023 (DGC/AEEVI/BRPL/2014) dated 02.08.2023.
2. Note No. CECCN/DB-01/BPLE-Works/2010-11 dated 19.10.2023 & 21.10.2023 of the Chief Engineer (Civil- Construction) North, Kozhikode.
3.E-file Note No. DGC/AEEVI/BRPL/2014 dated 06.11.2023 to the Full Time Directors approved on 10.11.2023 (Agenda No:18-11/2023) .

ORDER

The Barapole SHEP (15MW, 36 Mu) was completed and the project was dedicated to the nation on 29.02.2016. The commercial generation from the project commenced in June 2016. The major component of the project are Trench weir, intake pool, desilting chamber, approximate 3km length power canal comprising both rectangular and trapezoidal sections, Forebay tank, penstock and power house with 3x5MW horizontal Francis turbine.

Consequent to the historic flood occurred during 2018 & 2019 a leakage was noticed in the water conduction system and to rectify the damages, inspection reports from various government agencies such as GSI, NIT, IIT etc were sought. Experts from IIT Roorkee visited the site and they suggested Short Term Proposal - Seepage arresting arrangements & diversion arrangement. (Purchasing 25 cents of land, providing inverter filter arrangement& Construction of leading drain and Long Term Proposal - Concrete Interlocking paver block laying over HDPE sheet). Among the above the short term measures was completed and long term proposal like canal protection at 100m downstream and upstream from Ch. 2750m is under consideration.

On 13th June 2023, moderate rain was showered during the onset of monsoon, available water from river was diverted along the power channel to trail run each machines to evaluate their efficiency after long span of idling. Suddenly water happened to rush out at rear yard owned by Sri. Joseph and at inverted filter location of Sri. Riny Abraham both in the downhill side of canal at chainage near 2450m and 2750m respectively where soil piping had occurred earlier. Total shut down of the power house happened due to the protest from nearby dwellers.

Viewing the gravity of the situation, KSEBL as per B.O. read as 1st above has accorded sanction to Chief Engineer (Civil-Construction) North to rehabilitate Sri. Joseph & family to a rented house until the rectification work is over and to pay a maximum amount of Rs.15,000/- towards rent and a solatium of Rs. 30,000/- (Rs.1000/day, for life hood as he will be deprived

of agricultural income and income from cattle farming), totalling to Rs.45,000/-per month in advance during this period. Further resolved to request CWRDM to submit report for interventions. Further resolved to arrange the underground works to protect house and to get it done within three months or earlier. Further resolved to execute other canal works post stopping of power generation during the lean period.

Request was made to obtain the service from the CWRDM for conducting the study on the effects of soil piping occurred in the vicinity of the complainant's house and to suggest remedial measures.

M/s.CWRDM furnished the proposal for conducting the study on seepage in the power canal of Barapole SHEP and suggesting remedial measures with a span of 10 months for study and report having a financial commitment of Rs 18 lakhs+18% GST (Rs 21,24,000/-)

Meanwhile the possibility of conducting the geophysical investigation through M/s.PARSAN Overseas Ltd., New Delhi was explored and Chief Engineer (Civil - Construction) North has obtained their proposal to conduct study at two locations ie. Ch.2.450km & Ch.2.750km. The Chief Engineer (CC) North as per letter read as 2nd above has reported that as per the quotation, charges for PARSAN for mobilization and all field study including GST comes to Rs 21,71,200/-. The duration of study and submission of report including mobilization time is 35 days. In addition, their proposal demands additional expenses like lodging facility at site, hiring 4-5 unskilled helpers to assist in survey work, transportation charges and other incidental charges. The Chief Engineer as per note read as 2nd above dated 21.10.2023 has reported that an approximate estimation to this effect is worked out to be Rs.5,28,800/- sum up to Rs 27,00,000/- for conducting geophysical study for 400m at both Ch.2.450km and 2.750km.

The Chief Engineer (Civil - construction) North has reported that the study as proposed by M/s.PARSAN Overseas Pvt. Ltd. be conducted and further course of action can be decided on receipt of their report.

The matter was placed before the Full Time Directors as per note read as 3rd above. Having considered the matter in detail.the Full Time Directors through circulation resolved to award the work, 'Conducting Geophysical study in the canal of Barapole SHEP for 400m length at both Ch.2.450km and 2.750km' to M/s PARSAN Overseas Pvt. Ltd., 707 Eros Apartments, 56 - Nehru place, New Delhi-19 for an amount of Rs.21,71,200/- including GST and an additional expense (like arranging lodging facility to the service personnel of the study team at site, transportation arrangement, engaging unskilled helpers for assisting survey work and unforeseen incidental expenses etc.) up to Rs.5,28,800/-.

Orders are issued accordingly.

**By Order of the
Full Time Directors**

Sd/-

**LEKHA G
Company Secretary**

To:

The Chief Engineer (Civil-Construction) North, Kozhikode

Copy to: The Chief Engineer (IT,CR & CAPS)/ Company Secretary/ Financial Advisor/ LA&DEO
The TA to the Chairman & Managing Director / Director (Generation-Civil)/ Director
(Generation-Electrical, REES, Soura, Sports & Welfare)/ Director (Distribution, Safety,
IT & SCM)/ Director (Transmission & SO and Planning)
The PA to the Director (Finance & HRM).
The RCAO/RAO
The Sr.CA to the Secretary (Administration).
Stock File.

Forwarded / By Order



Assistant Executive Engineer