

Abstract

KHEP- Natural Calamity –Restoration works at **Kuttiadi HEP, Kakkayam** –Land slide occurred on 09-08-2019 & restoration works at **Chembukadavu –II SHEP**- departmental execution of work- Good Service Entry to the employees - Sanctioned– Orders issued.

Corporate Office (SBU-G/E)

B.O.(FTD) No.413 /2020 (DGE/G3/KHEP/GSE/2020-21 Thiruvananthapuram

dated: 16-06-2020

- Read:-
1. B.O.(FTD) No.656/2019 (DGE/G3/KKYM/2019-20) dated 02.09.2019
 2. B.O.(FTD) No.770/2019 (DGE/G3/KKYM/2019-20) dated 19.10.2019
 3. Letter No.CEG/AEE-IV/KKM/Gnl/2019-20/1843 dated 12-02-2020 of the Chief Engineer(Generation & PED), Moolamattom.
 4. Note No.DGE/ G3/ KHEP/GSE /2020-21 dated 19-05-2020 of the Director (GE & SCM)
(Agenda Item 02 /6/2020)

ORDER

Kuttiadi HEP is the third largest Generating station under KSEBL and the largest in Malabar area, with a total installed capacity of 225 MW. The project consists of 3x25MW (units #1,#2) ,commissioned in 1972 in the **Kuttiady old power House**, 1x50MW machine (Unit#4) in **Kuttiady Extn. Power House (KES)** & 2x50MW (Units #5) at **Kuttiadi Addl.Extension (KAES)**.

The heavy landslide occurred in the hill at the backside of the powerhouse on 09.08.2019 caused severe damage to the KES and KAES power houses. Water flooded inside the powerhouse and huge boulders were rushed into different floors with mud and soil got deposited over the generators and its accessories. The switchyard was also got deposited with slurry and soil. As the water started to enter into the old powerhouse area, where the 3 numbers of 25 MW capacity generators are operated, the whole station had to be shut down for that day. The underground floor of unit # 4 was totally filled with mud and soil whereas those of units #5 & 6 were partially filled. Almost half of the switchyard was also deposited with slurry and soil. The backside of the power house was dumped with heavy boulders and huge amount of mud and slurry. So, the primary objective was to remove the boulders, mud, soil and other wastes deposited over the generators, equipment and panels.

A task force was constituted for the subject work at Kuttiady, comprising of the officers and staff at the station and the restoration works commenced on 10.08.2019. Units # 1, 2 & 3 which had been least affected in the landslide, were put back in service on 10.08.2019 itself along with the 110 KV feeders from the station. The works were scheduled and executed in such a way that the Unit #6 could be put back in service at first, Unit # 5 next and Unit #4 at last. Considering the unavailability of hotels/ restaurants in the nearby locality food was supplied to the staff at work site at the cost of KSEBL as per B.O read (1) & (2) above .Due to the hard work and dedication of the staff, the close monitoring of the officers and the valuable advice & support from the higher-ups all the generators were put back in service within a short span of 84 days where the anticipated period was 5-6 months. The Unit #6 was put back in service on **04.09.2019**, Unit #5 on **22.09.2019** and the Unit #4 on **01.11.2019**.

If the work was carried out by an external agency, the financial burden on KSEBL would have been much higher than the expenses incurred when done departmentally. KSEBL had to pay only the labour charges to those contract staff, charges for arranging Lorries, JCBs, Cranes, slurry pumps etc., charges for arranging civil-specialist works such as masonry, fabrication etc, the cost for purchasing materials & spares and the repair charges of auxiliary equipment such as pumps, motors, panels etc. Thus,the total expenses for putting back KHEP in service was only about Rs.2.3 crore. The early completion of the work has helped in restoration of power in Malabar area in a few months ,in advance than expected. The speedy restoration of machine into service has helped to arrest the water spill from the Kakkayam and Thariode dams, which has also contributed much financial gain to KSEBL.

The Natural calamity occurred on 8-8-2019 affected the (3x1.25 MW) Chembukadavu –II SHEP also . The river water and mud entered in to the Chembukadavu- II SHEP and the machines and panels were submerged in the water. It is reported that the sincere efforts of the Assistant Engineer, Sub Engineers and Contract staffs in the PH enabled the machines to put back in service on 09.09.2019.

It is reported that all control panels at the control room and Machine floor were submerged in the water and mud. The relays and MCBs were cleaned and dried in the dryer which is fabricated for this purpose by the staffs of the PH. The control wiring removed from the terminals of relays, switches and other equipment and cleaned thoroughly with the help of available contract staff and carefully reconnected. The excitation transformers and battery charger transformers removed from the panel, cleaned and transported to Nallalam for drying. The water and mud entered in the Generator were removed first with the help of air and thoroughly cleaned for removing mud particle in the winding slot with the help of cloths. The Generators, CTs, PTs and all equipment were tested by PET team and charged.

In the above circumstances, the Chief Engineer (Generation & PED) has forwarded list of employees, as per paper read (3) above, attached as **Annexures – I & II**, involved in the restorations works at both the stations and recommended for awarding Good Service Entry and monetary benefits to them.

The matter was placed before FTD as per note read (4) above. Having considered the matter, the Full Time Directors on its meeting held on 11-06-2020, resolved to award Good Service Entry to the officers and staff engaged in the subject restoration works at KHEP & Chembukadavu-II SHEP, in recognition of their meritorious service rendered, as recommended by the Chief Engineer (Generation & PED).

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.

Copy to:

The Deputy Chief Engineer, Generation Circle, Thrissur.

The Chief Internal Auditor,

The TA to CMD/D(GE&SCM)/ D(TSO)/ D(DIT&HRM)/D(GC)/D(P&S)

The Fair copy Superintendent/Library/Stock File

Forwarded / By Order
19/06/20
Asst. Executive Engineer

DESPATCHEL

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DATE 19.06.20

4. Sri.Anish Antony, Electricity Worker.

SHEP SUB DIVISION, KAKKYAM

1. Sri.Mohamed Ismail.T.S, Asst. Exe. Engineer.

2. Sri.Sudheesh.T, Sub Engineer.

K.G DIVISION, KAKKAYAM

1. Smt. Subha.K.K, Asst. Engineer.

2. Sri.Suren.K.K, Driver Spl. Gr.II.

KUTTIADY TAIL RACE POWER HOUSE, KAKKAYAM

1. Sri.Pramod Kumar.M.V, Asst. Engineer.

2. Sri.Prajeesh.M, Sub Engineer.

3. Sri.Aneesh Mathew, Electricity Worker.

VILANGAD SHEP

1. Sri.Bineesh.P, Sub Engineer.

CONTRACT STAFF (CIVIL MAINTENANCE SUB DIVISION, KAKKAYAM)

1. Sri.Arunraj.V.R, Sub Engineer (Civil).

2. Sri.Jose.P.T, HT/LT Special Mazdoor.

3. Sri.Akhil Jose, Plumber.

4. Sri.Jinil Jose, Scavenger.

5. Sri.Sonet.V.S, Office Attendant.

6. Smt.Saritha Johny, Sweeper.

7. Sri.Jithesh Mon.N, Caretaker.

8. Smt.Fousiya Rasheed, Gardner.

CONTRACT STAFF (ELECTRICAL MAINTENANCE SUB DIVISION, KAKKAYAM)

1. Sri.Gopi.V, Skilled Technician.

2. Sri.Subheeshkumar.P.P, Skilled Technician.

3. Sri.Shine K Kurian, Skilled Technician.

4. Sri.Johny.P.P, Skilled Technician.

5. Sri.Santhosh.N.S, Driver.

6. Sri.Shaffer.P.M, Driver.

CONTRACT STAFF (MECHANICAL MAINTENANCE SUB DIVISION, KAKKAYAM)

1. Sri.Vijayakumar.C, Skilled Technician.

2. Sri.Paul Thomas, Skilled Technician.

3. Sri.Jobby Philip, Welder.

4. Sri.Nithin Mathew, Welder.

5. Sri.Sebastian.P.M, Skilled Technician.

6. Sri.Arun Radhakrishnan, Skilled Technician.

7. Sri.Arun Chandran, Operator.

8. Sri.Shajil.K.B, Operator.

9. Sri.Sudheesh.T.P, Operator.

10. Sri.Arun Dev, Operator.

11. Sri.Joshi.B.G, Operator.

12. Sri.Akhil.M, Operator.

13. Sri.Ramshid.K, Operator.

14. Sri.Vipin.K, Operator.

15. Sri.Blowin Xavier, Operator.

16. Sri.George.P.S, Juinor Operator.

17. Sri.Johny Chacko, Juinor Operator.

18. Sri.Sanoop.G.S, Juinor Operator.

19. Sri.Bivin Raj, Shift Assistant.

20. Sri.Muhammed Anwar.P.V, Shift Assistant.

21. Sri.Vimal Kumar.P.V, Shift Assistant.

22. Sri.Varun C Mathew, Shift Assistant.

23. Sri.Manas Mathews, Shift Assistant.

24. Sri.Midhun.A.P, Shift Assistant.

25. Sri.Sandeep.E, Shift Assistant.

26. Sri.Renjish.P.M, Shift Assistant.

27. Sri.Joseph.K.V, BVC Operator.
28. Sri.Boban Thomas, BVC Operator.
29. Sri.Aloysius.K.J, BVC Operator.
30. Sri.Gireesh.M.S, BVC Operator.
31. Sri.Praveen Sebastian, BVC Operator.
32. Sri.Renjish.C.K, BVC Operator.
33. Sri.Sijo Sebastian, BVC Operator.
34. Sri.Bijesh.P.K, BVC Operator.
35. Sri.Vineeth.V.S, BVC Operator.
36. Sri.Shinil Jo, BVC Operator.
37. Sri.Binu.V.R, BVC Guard.
38. Sri.Denny Antony, BVC Guard.
39. Sri.Jinu Jox, BVC Guard.
40. Sri.Akheel Ahammed.S, Unpaid Trainee.
41. Sri.Lishnu Krishna, Unpaid Trainee.
42. Smt.Mary Chacko, Sweeper.
43. Smt.Stella Benny, Sweeper.
44. Smt.Subaitha Sulaiman, Sweeper.
45. Sri.Rahul.K.S, Driver.

CONTRACT STAFF (SCADA SUB DIVISION, KAKKAYAM)

1. Sri.Babu Joseph, Sub Engineer.
2. Sri.Umesh.V.K, Skilled Technician.
3. Sri.Ebin George, Skilled Technician.
4. Sri.Saji, Driver.

CONTRACT STAFF (SHEP SUB DIVISION, KAKKAYAM)

1. Sri.Muhammed Rishal.K, Driver.

CONTRACT STAFF (K.G DIVISION, KAKKAYAM)

1. Sri.Rajesh Kumar, Sub Engineer.
2. Smt.Sisira.V.M, Typist.
3. Smt.Sindhu Johnson, Office Attendant.

CONTRACT STAFF (KUTTIADY TAIL RACE POWER HOUSE, KAKKAYAM)

1. Sri.Sanoop.P.K, Electricity Worker.
2. Sri.Arun Mathew, Electricity Worker.
3. Sri.Ramshid.V.K, Operator.
4. Sri.Vivek.M.S Nair, Operator.
5. Sri.Suni.P.P, Operator.
6. Sri.Bidhun Raj, Operator.
7. Sri.Subheesh Kumar.P, Shift Assistant.
8. Sri.Raneesh.N.K, Shift Assistant.
9. Sri.Bijeesh.K.T, Shift Assistant.
10. Sri.Shankumar.A.K, Shift Assistant.
11. Sri.Rajesh.O.R, Shift Assistant.
12. Sri.Suvarna.V.K, Sweeper.

CONTRACT STAFF (KAKKAYAM SMALL HYDRO ELECTRIC PROJECT)

1. Sri.Bharath Syam.S, Sub Engineer.
2. Sri.Aswin.P, Operator.
3. Sri.Arunjith.K.K, Operator.
4. Sri.Harikrishnan.S, Operator.
5. Sri.Sreelesh.R.P, Operator.
6. Sri.Arjun.P, Shift Assistant.
7. Sri.Amal Lal.P.P, Shift Assistant.
8. Sri.Prajith.P.K, Shift Assistant.
9. Sri.Shinubal.P.B, Shift Assistant.
10. Smt.Anitha, Sweeper.

List of employees recommended - restoration works of CHEMBUKADAVU –II SHEP

1. Sri.Mohamed Ismail.T.S, Asst. Exe. Engineer, SHEP Sub Division, Kakkayam.
2. Sri. Saju C Abraham, Assistant Engineer, SHEP Urumi (Holding the additional charge of Chembukadavu SHEP).
3. Sri. Jereesh.T.A, Sub Engineer, Chembukadavu SHEP.
4. Sri.Sudheesh.T, Sub Engineer, SHEP Sub Division, Kakkayam.

CONTRACT STAFF

1. Sri. Don.M, Operator.
2. Sri. Santhosh George.P, Operator.
3. Sri. Vinu Joseph, Operator.
4. Sri. Jonson Thomas, Operator.
5. Sri. Deepak.V, Operator.
6. Sri. George Christoben Joseph, Operator.
7. Sri. Shejin M.S, Operator.
8. Sri.Boby Thomas, Junior Operator.
9. Sri.Saju Varghese, Junior Operator.
10. Sri.Jain John, Junior Operator.
11. Sri.Saji M John, Junior Operator.
12. Sri.Roy Joseph, Junior Operator.
13. Sri.Shibin Antony, Junior Operator.
14. Sri.Saji Jacob, Junior Operator.
15. Sri.Thresya Wilson, Sweeper.
16. Sri.Muneer.A.S, Driver.