



## KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

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

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### ABSTRACT

Thottiyar Hydro Electric Project (40MW) - Execution of Balance Civil and Hydro Mechanical works of Thottiyar Hydro Electric Project (40 MW/ 99 MU) - Contract with M/s PRIL-SSIPL Consortium - Time extension - Sanctioned - Orders issued.

### Corporate Office (SBU-G/C)

B.O. (FTD) No.185/2024 (DGC/AEEIII/Thottiyar/2014)  
Thiruvananthapuram.

Dated:27-04-2024

- Read :
1. Agreement No. 01/CECC/2018-19 dated 05.04.2018.
  2. B.O (FTD) No.497/2020(DGC/AEEIII/THYR/2014) dated 28.07.2020.
  3. B.O (FTD) No.579/2021/(DGC/AEEIII/THYR/2014) dated 10.08.2021.
  4. B.O (FTD) No.142/2022/(DGC/AEEIII/THYR/2014) dated 22.02.2022.
  5. B.O (FTD) No.697/2022/(DGC/AEEIII/THYR/2014) dated 11.08.2022.
  6. B.O (FTD) No.167/2023/(DGC/AEEIII/THYR/2014) dated 31.03.2023.
  7. B.O (FTD) No.448/2023/(DGC/AEEIII/Thottiyar/2014) dated 16.10.2023.
  8. Letter No. SPM/P&R/THEP/2023-24/191 dated 06.11.2023 of M/s PRIL.
  9. Letter No. SPM/P&R/THEP/2023-24/195 dated 10.11.2023 of M/s PRIL.
  10. Revised construction program of M/s PRIL dated 01.01.2024.
  11. Minutes of meeting of the Chairman & Managing Director held on 25.01.2024.
  12. Note No. CE CCS/THEP/2016/285 dated 28.02.2024 of the Chief Engineer (CC) South.
  13. Note No. DGC/AEEIII/Thottiyar/2014 dated 28.02.2024 of the Director (Generation - Civil) to the Full Time Directors (Agenda No.42-04/2024).

### ORDER

The contract for the execution of the balance Civil and Hydro Mechanical works of Thottiyar Hydro Electric Project was awarded to M/s PRIL-SSIPL Consortium at their quoted price of Rs 97,76,73,638/-. As per agreement, the scheduled date of completion of work was on 03.04.2020.

KSEBL as per B.Os read as 2<sup>nd</sup> to 6<sup>th</sup> above had accorded sanction for time of completion of civil works up to 30.06.2023, as the work was delayed due to various reasons. Later, KSEBL as per B.O read as 7<sup>th</sup> above has accorded sanction to extend the time of completion of the contract up to 15.11.2023 and further resolved that the decision on imposing penalty, if any, be taken up after completion of the works in all respects by the contractor, considering the decisions taken in the previous Board Orders in connection with the extension of contract period and price escalation. The overall physical progress of work as on 31.01.2024 is 96.80%, including the previous contract and mechanical spinning of 10 MW machine was conducted on 05.01.2024.

The Chief Engineer (Civil - Construction) South, as per note read as 12<sup>th</sup> above has reported that the contractor as per letter read as 8<sup>th</sup> above has requested time extension up to 31.05.2024, without imposing any liquidated damages or penalty and later, as per letter

read as 9<sup>th</sup> above they had requested time extension up to 31.03.2024, without imposing any liquidated damages or penalty citing various reasons for delay of works, which are not attributable to them, such as unprecedented heavy rain (2018), delay in release of payments of running bills and claims, delay in release of drawings and details by the department, non-availability of work fronts, execution of extra item etc., steep nature of penstock track, delay in filling of penstock pipe due to non-completion of E&M works, space constraints of power house area etc.

The Chief Engineer has denied the reasons quoted by the contractor for delay in completing the work in the extended period of contract except that the delay in penstock filling and space constraints of power house area, due to delay in getting clearance from E&M wing. It is reported that the contractor had failed to complete the works of power house as per schedule submitted by them. Even though there are space constraints in the power house area, it is not true that the department still not handed over the work front to the contractor. The contractor has arranged so many works inside power house including fixing chequered plate, plastering, fixing hand rails, floor tile works, painting etc. But progress of all these works were not satisfactory. The civil contractor has engaged only very few workers, contrary to the instructions of field officers. They had failed to complete the works before the extended period of completion on 15.11.2023. The contractor continues to show their indifference to engage sufficient labourers to get satisfactory progress and to complete the works without further delay.

The 12<sup>th</sup> PMC held on 12.01.2024 has decided to recommend time extension up to 31.03.2024 for civil works and Performance Guarantee period for civil works will start from 01.04.2024. The penalty for the delay may be decided at the time of commissioning of the project, as recorded in the earlier Board Orders granting time extension.

The Chief Engineer has further reported that all the civil works which are not coming under the scope of M/s. PRIL- SSIPL Consortium are being arranged through other agencies and the balance works that coming under the scope of M/s. PRIL- SSIPL Consortium, which were reluctant to be executed by the contractor are being arranged through other contract agencies at the risk and cost of the contractor after observing all formalities. The delay in the following work fronts may be considered for time extension.

- (i) Delay in getting clearance for works inside powerhouse, for executing along with E&M works.
- (ii) Delay in getting approval for filling of penstock due to the non-completion of related E&M works.

During the review meeting conducted by the Chairman & Managing Director, KSEBL on 25.01.2024 at Munnar, the following directions were issued to the Deputy Chief Engineer, Civil Circle, Kothamangalam.

1. Convene a meeting with the Civil contractor of Thottiyar HEP to know whether they will complete the work as scheduled or not.
2. If they are serious about completing the work, get a construction programme signed by them and forward with recommendations.
3. Send a report of actions taken to the Chairman & Managing Director on 31.01.2024.

In the above meeting, the expected time for mechanical spinning and synchronization of two machines were tentatively fixed as follows:

Sl. No.	Description	Mechanical spinning	Synchronization
1	10 MW machine	05.01.2024	1 <sup>st</sup> week of March 2024
2	30 MW machine	1 <sup>st</sup> week of March 2024	1 <sup>st</sup> week of April 2024

Accordingly, the Deputy Chief Engineer, Civil Circle, Kothamangalam has convened a meeting with the contractor on 27.01.2024 and a revised schedule for the completion of balance work signed by the contractor has been furnished read as 10<sup>th</sup> above. The details of balance work as per the revised schedule and progress as 20.02.2024 is as follows:

Sl. No.	Description	As per schedule		% progress
		Start date	Finish date	
	<b>A. Control Room</b>			
1	Final painting works	01-01-2024	24-02-2024	80
2	Gratings and Chequered plates	01-01-2024	15-02-2024	90
	<b>B. Power House</b>			
1	Fire wall No.3	01-01-2024	15-02-2024	90
2	Rail track formation for Transformer 2	01-01-2024	15-02-2024	60
3	Balance flooring for Generator floor	01-01-2024	15-02-2024	90
4	Painting	01-01-2024	22-02-2024	70
5	Sheet fixing for upstream wall	05-02-2024	24-02-2024	0
6	Yard concrete & outside drainage works including cover slab	01-02-2024	20-03-2024	5
7	Service bay flooring	01-03-2024	15-03-2024	0
	<b>C. Tail Race</b>			
1	Tail Race 2	01-01-2024	29-02-2024	0
2	Balance Drain works	01-01-2024	29-02-2024	0
3	Power House Yard levelling	01-01-2024	10-03-2024	30
4	Power House Yard concreting	01-02-2024	15-03-2024	0

5.	Other finishing works	01-03-2024	31-03-2024	6
	<b>D. Switch Yard</b>			
1	Supply and stacking of aggregates	01-01-2024	24-02-2024	37
2	Construction of Balance retaining wall at boundary	01-01-2024	24-02-2024	40
3	Construction of balance drain, cable trench & cover slab including laying.	01-01-2024	24-02-2024	20
4	Spreading of aggregate	01-02-2024	05-03-2024	25
5	External and other finishing works	21-03-2024	31-03-2024	0
	<b>E. Weir</b>			
1	Erection of roof structure over intake & sluice gate	01-02-2024	29-02-2024	100
2	River training works at right and left bank	10-02-2024	31-03-2024	0
	<b>F. Approach Channel and Intake structure</b>			
1	Retaining wall near to the intake	01-03-2024	31-03-2024	0
2	Casting of beams for mounting trash rack hoist mechanism	01-03-2024	31-03-2024	0
	<b>G. Road to weir, intake and Tunnel exit</b>			
1	Chipping carpet for new road 900m and existing Panchayath road	20-02-2024	20-03-2024	30
	<b>H. Penstock</b>			
1	Balance works of Steps, Drains etc.	10-02-2024	31-03-2024	0

The Chief Engineer has further reported that directions had been issued to the contractor from various level offices to speed up the works as per the schedule. At present sheet fixing inside wall of the power house, flooring the service bay are the dependable works at power house area. Also, concreting of tie beam and retaining wall at weir site at Valara can be arranged depending on the water level. The contractor can arrange all other works without any bottle necks. But the contractor has not turned up to attend the works at penstock route so far. Hence all the balance works such as retaining wall, steps, hand rail, drains etc. along the penstock route which are coming under the scope of M/s. PRIL-SSIPL consortium may be arranged through separate agency at the risk and cost of the present contractor M/s. PRIL. Notices were issued/ are being issued to the main contractor accordingly.

In this regard, the Financial Adviser as per note dated 17.02.2024 has opined that sanction may be accorded to extend the time of completion of subject work up to 31.03.2024 to ensure smooth cash flow to the work. The decision on penalty, if any shall be taken after completion of the work in all respects as decided previously and after detailed analysis of the execution.

Based on the recommendation of Project Monitoring Committee and remarks of the Financial Adviser, the Chief Engineer (Civil - Construction) South has requested sanction to extend the time of completion of subject work up to 31.03.2024, provided that the decision on imposing penalty if any, be taken after completion of works in all respects as decided previously and after detailed analysis of the execution by the contractor.

The matter was circulated among the Full Time Directors for a decision as per note read as 13<sup>th</sup> above.

Having considered the matter in detail, the Full Time Directors resolved to accord sanction to extend the time of completion of the contract with M/s. P&R Infra Projects Ltd. (Lead bidder) - M/s. Shri Saravana Industries Pvt. Ltd. Consortium for the execution of Balance Civil and Hydro Mechanical works of Thottiyar Hydro Electric Project (40 MW/99 Mu) up to 31.03.2024, the decision on imposing penalty if any, be taken after completion of works in all respects, as decided in the previous Board Orders in connection with the extension of contract period, price escalation, and after detailed analysis of the execution of the project by the contractor.

Orders are issued accordingly.

By Order of the Full Time Directors

Signed by

LEKHA G

COMPANY SECRETARY  
Date: 27.04.2024 17:18:14

To: The Chief Engineer (Civil - Construction) South, Thiruvananthapuram.

Copy to:

- ✓ The Company Secretary / Chief Engineer (IT, CR&CAPS) / Financial Adviser / LA&DEO / Chief Internal Auditor / Chief Vigilance Officer
- The Legal Liaison Officer, KSEBL, Kochi
- The TA to the Chairman & Managing Director / Director (Generation-Civil) / Director (Distribution, Safety, SCM & IT) / 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)
- The RCAO/ RAO
- Stock File.

Forwarded / By Order

*[Signature]*  
Assistant Executive Engineer