



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

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ABSTRACT

Appointment of EPC contractor for design as per site conditions, erection, testing & commissioning of Grid Tied Ground Mounted Solar PV Power plants at Brahmapuram, Kanjikode and Agali owned by KSEBL with total installed capacity of 8 MWp (4MWp-Brahmapuram, 3MWp-Kanjikode and 1MWp-Agali) including Operation & Maintenance of the plants for the first 5 years from the date of handing over - Extension of time of completion - Orders issued.

Corporate Office (Renewable Energy & Energy Savings)

B.O (FTD)No.790/2022 CE(REES)/CP/BAK/4MW/2022-23/ Tvpm Dated
: 26 .09.2022

READ: 1. L.O.A NO. 06/ 2019-20 DATED 23.11.2019.

2. Agreement No.14/19-20 dated 20.01.2020.

3. BO(FTD)No.191/2022(CE(REES)CP/BAK/2021-22 TVPM Dated
18.03.2022.

4. Letter No. INKEL/RED/KSEB-8MW/22-23/170 dated 11.08.2022
of M/s Inkel.

5. Letter No. INKEL/RED/KSEB-8MW/22-23/179 Dated 19.08.2022 of
M/S Inkel.

6. Letter No. BDPP/DB2/Solar/2022-23/778 & 843 Dated 24.08.2022
& 29.08.2022 of The Executive Engineer,Transmission Division ,
Brahmapuram.

7. Note No. CE (REES)/CP/BAK/2022-23/ 994 dated: 03.09.2022
of the Chief Engineer(REES) submitted to the Full Time
Directors(Agenda No. 11/9/22).

ORDER

KSEBL has accorded sanction for the appointment of EPC contractor for design, erection, testing & commissioning of Grid Tied Ground Mounted

together with total installed capacity of 8 MWp (4MWp-Brahmapuram, 3MWp-Kanjikode and 1MWp-Agali). The Agreement read as 2nd above was also executed in this regard.

Status of works at each location

(i) Agali

The project is completed and commissioned on 22.01.2022.

(ii) Kanjikode

The project is completed and commissioned on 19.02.2022.

(iii) Brahmapuram

The total land available is 23 acres in the existing BDPP site. The project is executed at 3 parts of this area, (500 kWp at Part-B, 2500 kWp at Part-E and 1000 kWp at Part- C & D). Only first two locations have been handed over to contractor after tree cutting, till date.

As per the B.O read as 3rd above, the time of completion of the project at Brahmapuram site was extended up to

30/04/2022 in Part B (0.5MWp)

30/06/2022 in Part E (2.5 MWp) and

20/07/2022 in Part C & D (1 MWp) without any additional financial commitment to both the parties.

The Chief Engineer(REES) as per note read as 7th above reported that at the Part-B (500kWp) the works are almost completed and control room work is nearing completion. The Part-B (500kWp) will be energised after Relay Testing and inspection by Electrical Inspectorate. M/s Inkel as per letter read as 4th above has requested time extension till 30.09.2022. During the site inspection by the CE(REES) on 26.08.2022 it has been decided that the work can be completed on 15.09.2022. The 11kV cable laying across road requiring sanction for road cutting from PWD is rescheduled to be completed within this period. Therefore sanction for time extension for Part-B was recommended to be given till 15.09.2022, to the contractor without any additional financial commitment to both the parties.

For Part-E, land is highly uneven and requires extensive levelling. M/s Inkel has informed that severe rain had occurred through out the months of June and July due to which no work was carried out in regular pace. The Executive Engineer, Transmission Division Brahmapuram who is the Engineer -In-Charge has also reported that site development of the uneven terrain was held up at times due to rain. Due to these circumstances time extension was recommended to be given to the contractor upto 31.12.2022 at Part-E (2500kWp) of Brahmapuram project without any

Further the Executive Engineer Brahmapuram has reported that the huge sloping terrain with 12 m level difference and uprooting of trees can cause land sliding during monsoon here. Nearby is situated 11 nos underground concrete sump tanks and one of the sump tank capacity of 100 m³ capacity is on upper ridge of this sloping area. Similarly two numbers of huge tanks of LSHS with capacity 30,000 Ltr each, two numbers of diesel tanks with capacity 2,50,000 Ltrs and 50,000 Ltrs and two numbers of lube oil tanks with capacity of 50,000 Ltrs each are located near the tail end of Part-E. It was also reported that there is no scope for additional land development and the capacity be limited to 2.25 MW instead of 2.5MWp. In the above circumstance , it is recommended that the capacity of the plant be limited to 2.25 MWp.

For Part-C&D (1000kWp) the land is not feasible for the installation due to the condition of terrain , high water level in the adjoining stream and reported flooding of lower reaches during heavy rains of 2018. As an alternative it is found that land owned by KSEBL in existing wind turbine premises at 220 kV Substation Kanjikode is suitable for installation of balance 1.25 MWp, which is the balance of the capacity that was originally planned in Part-E, Part-C&D at Brahmapuram. Hence time extension may be given to the contractor for completing Part-C&D location for 8 months from handing over of the alternate land. The land is handed over for execution to M/s Inkel Ltd as per Note No.D(REES,S,S,N&W)/GL/2022-23/GL/2022-23/61Dated 31.08.2022.

The above matter was placed before the Full Time Directors as per note read as 7th above. Having considered the matter in detail the Full Time Directors in its meeting held on 05.09.2022. Resolved to accord sanction to extend the time of completion of the project 'Grid Tied Ground Mounted Solar PV power plant at Brahmapuram, Kanjikode, and Agali owned by KSEBL with installed capacity of 8 Mwp (4 Mwp - Brahmapuram, 3MWp -Kanjikode and 1 MWp-Agali) without any additional financial commitment to both the parties as follows. Time of completion of the work at each location of Brahmapuram site may be extended upto 15/9/2022 in Part-B(0.5 MWp), 31/12/2022 in Part-E(2.5 MWp) and 8 months from handing over of alternate land in Part-C&D(1 Mwp).

Further resolved to ratify the action of handing over of the land owned by KSEBL in Kanjikode near the existing wind generator for installation of balance 1.25 MWp, of the 4MWp capacity that was originally planned in Part-E & Part-C&D at Brahmapuram to complete this project .

Orders are issued accordingly.

By Order of the Full Time Directors.

Sd/-
LEKHA.G
Company Secretary

To

Copy to:

TA to Chairman & Managing Director /TA to Director(REES,N,S,S&W)/ TA to Director (T SO,Plg & Safety)/ TA to Director Dir(Dist, IT & SCM) / TA to Director (Gen Ele)/ TA to Director (Gen - Civil)/ PA to Director (Finance & HRM)/CompanySecretary/Sr.CA to Secretary (Administration)/ The CA to CVO (Vigilance & Security), KSEBL/ Library.

Forwarded by order



Assistant Executive
Engineer