



KERALA STATE ELECTRICITY BOARD LIMITED

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

Inviting tender for empanelment of EPC contractors for Roof Top Solar plants in Soura Phase –II subsidy project for 1,2 and 3 kW plants –Modification in Tender clauses – Approved- Orders Issued

CORPORATE OFFICE (SBU-G/E)

BO(FTD)No. **636/2021** (Soura /Phase II Subsidy Scheme /2021-22) Tvpm dt 18.08.2021

- Read :**
1. Tender No.5/2020-21 dated 15.2.2021 of the State Nodal Officer, Soura Project
 2. BO(FTD) No. 428/2021 (Soura/Tender No.5/2020-21) Tvpm dtd 08.06.2021)
 3. Note No. Soura /Phase II Subsidy Scheme /2021-22 /387 dated 10.8.2021 of the State Nodal Officer, Soura Project submitted to the Full Time Directors (Agenda No.86/8/21)

ORDER

The MNRE launched the Phase II Grid connected Roof Top Solar subsidy programme for domestic sector towards achieving cumulative capacity of 40 GW from Roof Top Solar (RTS) project by the year 2022. Accordingly KSEBL was allocated 50 MW for the year 2019-20 on 20.8.2019 and 200 MW for the year 2020-21 on 24.11.2020 in Phase II subsidy scheme for domestic sector.

As per the guideline on the scheme, KSEBL is to publish a list of empanelled contractors for the scheme alongwith the rates for solar plants through competitive bidding. The Consumer selects the developer from empanelled list and installs the plant availing MNRE subsidy through KSEBL. In Kerala Model, KSEBL jointly invests the plant cost with the consumer.

The tenders were invited for the empanelment towards new allocation received from MNRE for the year 2020-21 and insufficient offer for 2 and 3 kW plants received in the earlier tender. Based on the tender, 7 no developers are empanelled as per read as 2nd above.

Based on the registration received from consumers in the subsidy scheme so far, the major requirement is for 2 and 3 kW plants. However the participation from developers is not sufficient to meet the requirement. In the present empanelment list as mentioned above, for 1 kW plants only 1 developer (250 kW), for 2 kW plants - 2 developers (750 kW) and for 3 kW plants - 4 developers (1300 kW) are available. Hence the State Nodal Officer, Soura Project reported that it is required to invite new tender for 1,2 and 3 kW plants urgently and also proposed changes in tender conditions so as to have more

empanelled developers in the scheme. The proposal for modification in the tender documents for empanelment of EPC contractors was placed before the Full Time Directors as per note read as 2nd above.

Having considered the matter in detail, the Full Time Directors in its meeting held on 12.8.2021

1. Resolved to accord sanction to invite new tender for empanelment of developers for 1,2 and 3 kW capacity plants with modification proposed so as to cater to the requirement of registered consumers under Soura Phase II subsidy scheme subject to the condition that successfully empanelled vendor will be automatically considered qualified to offer financial quotes for PM-KUSUM scheme as well.

Sl No	Clause	Existing Clause	Modified Clause
1	Tender Quantity	200 MW	100 MW
2	Tender Cost	Rs.20,000 + GST (waived for MSME registered bidders)	Rs.10,000 + GST (waived for MSME/ NSIC (National Small Industries Corporation) registered bidders)
3	Empanelment Bank Guarantee/ Security Deposit	Upto 2 MW - Rs.5 lakhs Above 2 MW - Rs.10 lakhs	Upto 2 MW - Rs.1 lakh Above 2 MW - Rs.5 lakhs
4	PBG submission	Developers shall conduct site survey of sites handed over, confirm capacity and furnish PBG for 3 % contract amount of the aggregate capacity prior to release of EPC orders. (Timeline starts only after EPC orders are issued)	EPC orders will be released periodically based on consumer selection of developers. 3 % PBG shall be deducted from the CFA bills submitted by developers. The retention amount will be released upon furnishing BG for equivalent amount.
5	Work Completion Period	90 days	60 days
6(i)	PQ Criteria Technical -	Technical Criteria- 1/2/3 kW plant capacities	

		<p>For quoting minimum bid capacity (250 kW) in any one of the requisitions - experience of 250 kW is required.</p> <p>For quoting above minimum capacity or in multiple requisitions and upto 5 MW capacity - Experience at the rate of 500 kWp per quoted MWp or part thereof is required.</p> <p>For quoting above 5 MW capacity or in 4-10 kW/ 11-100 kW / 101-500 kW plant requisitions - Experience of 3 MWp or 50% of quoted capacity whichever is higher is required</p>	<p>For quoting upto 3 MW, experience of 100 kWp is required.</p> <p>For quoting above 3 MW upto 10 MW capacity , experience of 500 kW is required</p> <p>For quoting above 10 MW capacity , experience of 1 MW is required</p>
7	<p>PQ Criteria - Financial Criteria - Turnover</p>	<p>(i) 1 kW / 2 kW / 3kW plant requisitions and quoting upto 2 MW capacity - Cumulative turnover of Rs.1 crore in three years in the last five years and in any one of the three years should have atleast Rs.50 lakhs turnover.</p> <p>(ii) 1kW / 2 kW / 3 kW plant requisitions and quoting upto 5 MW capacity - Cumulative turnover of Rs.2.5 crores in three years in the last five years immediately preceeding bid opening date and in any one of the three years should have atleast Rs.1 crore</p>	<p>For quoting upto 3 MW - Cumulative turnover of Rs.1 crore during the last five years and in any one of these years should have atleast Rs.30 lakhs turnover.</p> <p>Above 3 MW - Cumulative turnover of Rs.2.5 crore during the last five years and in any one of these years should have atleast Rs.75 lakhs turnover</p>

		turnover . (iii) 1kW / 2 kW/ 3 kW plant requisitions quoting above 5 MW capacity / 4-10 kW/ 11-100 kW / 101-500 kW plant requisitions - Annual turnover of Rupees 50 lakhs per quoted MWp per year for three financial years in the last 5 financial years immediately preceding the bid opening date and the firms shall have positive networth during the three financial years preceding the bid opening date.	
	Solvency Certificate	For 1 kW / 2 kW/ 3 kW plant requisitions and quoting upto 2 MW- Solvency Certificate exempted. Above 2 MW - Solvency certificate Rs. 1.5 Cr/MWp	Exempted for quoting upto 3 MW For quoting above 3 MW - Solvency certificate Rs. 1.5 Cr/MWp
8	Distribution Region where works will be undertaken	All over Kerala (All Distribution regions)	Bidders successfully quoting upto 3 MW shall specify the KSEBL Distribution regions where they will execute the project. But bidders successfully quoting above 3 MW shall execute the projects all over the State. (Rate shall be L1 only irrespective of the regions)
9	Classification of bidders based on experience and financial capability	Nil	Category A- Bidders having total experience above 1 MW and offering quantity above

			<p>3 MW</p> <p>Category B - All other bidders</p> <p>The price bids furnished by Category A firms will only be opened and L1 rate discovered.</p> <p>The pre-qualified firms (all category B firms and category A firms within range of L1 + 25 % to 30 %), will be requested to match L1 rates.</p> <p>In case there is only one bidder in Category A , the bidder having maximum experience in Category B will also be considered for opening of price bids.</p> <p>For category B bidders - Initial Quantity for empanelment will be 100 kW only - Allocation of more quantum upto their offered quantum upon successful completion of the initial quantum.</p>
10(i)	Technical Specifications	PV Modules- Wattage 330 W, Efficiency - 17%	PV Modules - Wattage 300 W, Efficiency - 15%
(ii)	Maximum Cable length	Not specified	The maximum cable length of 50 m (combined length, AC & DC) for every solar power plant installed shall be in the scope of the bidder and supply of excess cable length if required shall be in the scope of consumer

(iii)	Earth Pit	4 nos (AC -1 no, AC - 2 nos, Lightning- 1 no)	3 Nos (AC -1 no, DC - 1 no, Lightning- 1 no)
(iv)	Earth Strip	G I 25 * 6 mm	G I 25 * 3 mm
11	Net Meter cost	Net meter cost at the following rates would be provided to the developer. Single Phase (5-30 A) - Rs.2,400/- Three Phase (10-60A) - Rs.2,750/-	To be borne by the consumer . (Netmeters if available with KSEBL shall be allocated)
12	Provision to empanel new developers after publication of empanelment list	NIL	After publication of the empanelment list based on the tender , if the total offered quantum by the empanelled developers is not meeting the tender quantum or if more developers are required to increase the pace of project execution , then SNO, Soura has the right to add developers in the empanelment list provided they qualify the PQ conditions , agree with tender conditions , matches the bid discovered L1 rates and pays all the fee , EMD mentioned in the tender (including tender portal fee) following open notice to that effect.

Orders are issued accordingly.

By order of the Full Time Directors,

Sd/-
LEKHA G
Company Secretary - in charge

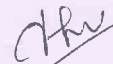
To

The State Nodal Officer, Soura Project.

Copy to:

1. The Chief Engineer (REES)
2. TA to the Chairman & Managing Director
3. TA to the Director (D, IT & HRM)
4. TA to the Director (T&SO)
5. TA to the Director (Gen - Ele & SCM)
6. TA to the Director (Gen - Civil)
7. TA to the Director (Planning & Safety)
8. PA to the Director (Finance)/Company Secretary
9. The Fair Copy Superintendent, Board Secretariat, Library

FORWARDED BY ORDER



ASSISTANT ENGINEER