

Chennai Metro Rail Limited

Solar-EOI Clarification on General meeting Queries.

CMRL/Phase-1/SPV/02/005/2016

Date: 28-06-2016

1. How much will be the LD percentage and details of delay duration for which fine is applicable. The start time of the execution process?

Reply: the project completion time will be 12 months, LD will be applicable from the project completion period (Performance Bank Guarantee/90)*No. of Days, 3 month delay will be allowed, after that contract shall be cancelled.

2. If we take up a new initiative by providing a Solar tunnel for the transit road inside CMRL will the structure cost will be borne by CMRL. Is it possible to split the structure costing and we would like to provide the structure cost separately?

Reply: service provider shall make necessary structural arrangement for installation of solar panel.

3. Will the previous experience carries weightage in the Tender evaluation Process?

Reply: Eligibility criteria will be provided in tender document.

4. Please make sure that the concern which is there while evaluating the capacity i.e. during measure are the shortlisted companies who can participate in the tender?

Reply: Anyone can participate who will full fill the eligibility criteria of the tender.

5. We request you to make sure the ceiling price of Rs. 5.10 is removed. As there various installation limitations and the production will not be as expected?

Reply: Ceiling price of Rs.5.10 will be removed.

6. Please provide us the land space exact measurement for us to evaluate the capacity.

Reply: 1 Land (Opposite to the Stabling shed) = 6000 Sq.Mtrs
2. Land (Near Test Track) =10,500 Sq.Mtrs

7. Net Metering is in the Scope of CMRL or Developer?
Reply: Developer.
8. What is the provision of Subsidy?
Reply: CMRL is floating tender on RESCO Model, on its own.
9. Name of DISCOM and At Present Grid Tariff paid by CMRL?
Reply: TANGEDCO, Tariff will be as per TANGEDCO Norms.
10. Connectivity point 415V or 11KV?
Reply: Up to 400KW Connection point shall be 415 V (LT Main Panel)
After 400 KW Connecting point shall be 33kv
11. If Evacuation is on HT then what will be the length of transmission line and Voltage level. Please also clarify the requirement of Underground or Overhead Transmission requirement and permissions?
Reply: Approximate length shall be 600 mtrs (Location to location will vary as per site), Cable routing will be decided as per site convenience.
12. Any Separate Approvals/ Clearance Required from Airport Authority of India/Directorate General of Civil Aviation?
Reply: Yes will be pursued by CMRL
13. Drawings shared be CMRL are in PDF Format. Kindly Share the Drawings in CAD/DWG Format for better assessment of sites. Building Elevation should also be included in the drawings.
Reply: CAD Files shall be shared after awarding the contract, please consider pdf for reference.
14. What is the minimum CUF and PR to be Maintained by the Developer?
Reply: Specification will be provided in tender document.
15. Kindly share any specific format of CMRL in which the Feasibility Report is required?
Reply: Report shall be submitted in your own format. A ppt will also have to be made by the developer.
16. What are the basis and process of Evaluation of the Feasibility Report Submitted by Developers and Kindly also clarify the Process of selection?

Reply: Evaluation will not be done on the basis of feasibility report.

17. The Initial Estimated Capacity is tentative and can change?

Reply: yes it may vary.

18. Kindly Share Details of Load Bearing Capacity of the Metal Roofs?

Reply: Will be given during tender document

19. Kindly Share the Profile /Thickness of the Sheet used in Metal Roofing Areas?

Reply: Will be given during tender document

20. Specific Requirement for India Make PV Modules?

Reply: Indian make PV Module shall be provided.

21. Will the Metal Sheet Punchuring be allowed by CMRL for fixing of structure on the Metal Roofs?

Reply: Yes allowed, but clamping will be preferable.

22. The Inverters Continuous Power Rating should be allowed 80% of the total Array Capacity?

Reply: Yes will be allowed after full filling the technical clarifications

23. Aluminum Cables should be allowed on AC Side.

Reply: Yes will be allowed.

24. CMRL should

1) Make adequate arrangements for water required for the Solar PV System.

Reply: water tapping point shall be provided.

2) Ensure Proper safety arrangements by provisions of Hand Rails, Anti Fall protection, Life Lines etc.

Reply: To be provided by service provider only.

25. Kindly clarify the technical specifications & Requirements by CMRL for the solar Power Plant.

Reply: Shall be provided in the tender document after getting inputs from EOI.

26. Please confirm the time allotted on a daily basis for the construction of the solar power plant for the metros & depots separately?

Reply: For Depot: 24 Hrs

Elevated station Roof: Non-operational Hours (11pm to 5 pm)

Elevated RCC: 24 Hrs.

27. The project implementation period for all the metro stations needs a buffer for 4 to 5 months.

Reply: Project completion time shall be 12 Months. Added 3 months will be allowed with penalty.

28. For any change in location, after installation intimated by CMRL, the cost towards the dismantling/ transportations/ re-installation/ extra infra-structural costing's liable to be borne by CMRL?

Reply: In case solar panels already installed at a particular location, then CMRL will bear the cost if there is any change.

29. Is there any limit / benchmark for tariff?

Reply: No limits

30. Duties and taxes applicable?

Reply: Yes applicable

31. Tariff has to be quoted on basic rate (without duties and taxes) or net rate?

Reply: Net Rate

32. If generation is above MGG, CMRL will offer any incentive?

Reply: No

33. Whether CMRL will consider the billing cycle of 15 days once?

Reply: Billing cycle shall be 30 days.

34. Payment assurance / security will be provided by CMRL?

Reply: Yes

35. The costing for dismantling / disposing of solar plant after 25 years has to be borne by CMRL.

Reply: The plant to be hand over to CMRL after 25 years.

36. As built drawings of the proposed sites to be provided by cmrl?

Reply: Yes will be provided after awarding the contract.

37. Energy measuring point shall be very near to solar inverter?

Reply: Will be decided later.

38. Is there any other suitable lands / roofs available for solar project apart from the notified EOI schedule?

Reply: Koyambedu parking area, alandur car parking area and Depot land area.

39. Any or all clearances / approvals to install solar plant on proposed locations shall be arranged by CMRL?

Reply: Approvals from Airport Authority of India will be processed by CMRL. EIG & DISCOM approval will be in the scope of service provider.

40. Office space with furniture, computer with internet and power shall be provided by CMRL at free of cost for O&M activities?

Reply: service provider shall make necessary arrangements.

Note: Last date of submission of Feasibility report on 11.07.2016.