

CMRL-Solar Power

1.0. INTRODUCTION

1.1 CMRL invites eligible applicants to participate in the EOI process for “**IMPLEMENTATION OF SOLAR PV SYSTEM IN ELEVATED STATIONS, DEPOT AND UNDER GROUND STATION ANCILLARY BUILDINGS CMRL (PHASE-I)**”. The generated solar power will be utilized for captive application of CMRL and the surplus power will be fed to the TANGEDCO grid. The scheme aims to reduce the fossil fuel based electricity load on main grid and make building self-sustainable from the point of electricity, to the extent possible.

2.0 SCOPE OF WORK

- 2.1 The bidding process is for Solar PV system to be installed in RESCO model.
- 2.2 Design, Engineering, Manufacture, Supply, Storage, Civil work, Erection, Testing & Commissioning of the solar PV project for up to 8 MW RESCO Model including Operation and Comprehensive Maintenance (O&M) of the project for a period of 25 years after commissioning of projects
- 2.3 **(RESCO Model)**:-Bids are invited from the prospective bidders for the Tendered Capacity as indicated below against selected sites of CMRL. Applicants will be required to furnish year on year tariff for 25 years starting from the date of commissioning of the Project.

Maximum allowable Levellised tariff for this part is **Rs.5.10 Per kWh.**

List of Selected Sites of CMRL

Sr.No	Locations		Roof Top area available for Solar Projects		
			Roof Shed at Elevated Station(Sq.mtrs)	Roof Shed at Depot Station(Sq.mtrs)	RCC Roof top (Sq.mtrs)
1	Depot	General Store	Nil	1536	Nil
2		Infrastructure shed	Nil	2592	Nil
3		Stabling shed	Nil	16962	Nil
4		ASS-2	Nil	Nil	306
5		ASS-3	Nil	Nil	126
6		Canteen	Nil	Nil	374
7		Rss-2	Nil	Nil	600
8		Admin Building (ASS-1)	Nil	Nil	224
9	Elevated Stations	Arumbakkam	1820 (Curved shed)	Nil	1045
10		Vadapalani	1820 (Curved shed)	Nil	1750
11		Sidco	1820 (Curved shed)	Nil	718
12		CMBT	1820 (Curved shed)	Nil	1381
13		Koyambedu	2800 (Curved shed)	Nil	950
14		Guindy	1820 (Curved shed)	Nil	1050
15		Ashok Nagar	Nil	Nil	2868
16		Little Mount	2300 (Curved shed)	Nil	450
17		Alandur	3920 (Curved shed)	Nil	50
18		Mount Metro	3168 (Curved shed)	Nil	4950
19		Nanganallur Road	1680 (Curved Shed)	Nil	600
20	Airport	5000 curved shed	Nil	Nil	
21	Under Ground Station (Ancillary Building)	Tirumangalum	Nil	Nil	390
22		Anna nagar Tower	Nil	Nil	222
23		Anna Nagar East	Nil	Nil	373
24		Shenoy Nagar	Nil	Nil	324
25		Pachaiyappas Collage	Nil	Nil	180
26		Kilpauk Medical Collage	Nil	Nil	180
27		Nehru park	Nil	Nil	190
28	Above OHE	Alandur to Mount Metro	5700 shed	Nil	Nil
29		Alandur to OTA	5700 shed	Nil	Nil
30			39368	21090	19301
Total Area				79759	

Note: above indicated areas are approximate only.