



**CHENNAI PETROLEUM CORPORATION LIMITED**

(A Government of India Enterprise and Group Company of IOCL)

**536, Anna Salai, Teynampet, Chennai – 600 018,  
Tamil Nadu, India.**

**9 MMTPA CBR PROJECT DEPARTMENT**

**NOTICE INVITING  
EXPRESSION OF INTEREST (EOI)  
FOR  
DISMANTLING, SHIFTING, INSTALLATION,  
TESTING, COMMISSIONING AND O & M OF  
4.5 MW<sub>p</sub> GRID INTERACTIVE GROUND  
MOUNTED SOLAR POWER PLANT FROM  
MUTTAM, NAGAPATTINAM TO NEW LAND  
INSIDE 9 MMTPA CAUVERY BASIN  
REFINERY (CBR) PROJECT, NAGAPATTINAM,  
TAMILNADU**

**Document No.: CPCL-CBRP 1124**



CPCL

**CHENNAI PETROLEUM CORPORATION LIMITED**  
(A Government of India Enterprise and Group Company of IOCL)

**NOTICE INVITING EOI**

Ref. No.: CPCL-CBRP 1124

Date: 20.09.2024

Name of Work: Dismantling, Shifting, Installation, Testing, Commissioning and O&M of 4.5 MWp Grid Interactive Ground Mounted Solar Power plant from Muttam, Nagapattinam to New land inside 9 MMTPA Cauvery Basin Refinery (CBR) Project, Nagapattinam, Tamilnadu

CPCL intends to put up 9 MMTPA Cauvery Basin Refinery (CBR) Project at Nagapattinam, Tamil Nadu. The above work is part of 9 MMTPA Cauvery Basin Refinery & petrochemical (CBRPL) Project is ongoing at Nagapattinam, Tamilnadu. It is proposed to identify bidders for the subject work. Intention of this EOI is to identify bidders for the subject work.

Details of the scope of work and other details are mentioned in the other sections of this document for review of bidders.

Bidders are requested to submit their credentials in the form of **Electronic Bids uploaded in our e-tender website**, <https://cpcltenders.nic.in>.

Bidders are requested to note the following important dates:-

Commencement of viewing and downloading EOI Document from CPCL e-Tender Website	<b>20.09.2024 onwards</b>
Due Date & Time of Submission (Electronic bid to be submitted in CPCL e-Tender Website)	<b>Upto 11:00 Hrs. on 30.09.2024</b>
Opening of EOI Bid	<b>14:00 Hrs. on 30.09.2024</b>

Thanking you,

Very truly yours  
FOR AND ON BEHALF OF  
**CHENNAI PETROLEUM CORPORATION LIMITED**

**C. SELVAM**  
**DGM (Materials)**



## 1.0 INTRODUCTION

- 1.1 Chennai Petroleum Corporation Limited (CPCL) (formerly known as Madras Refineries Limited) is a Public Sector Enterprise and a group company of Indian Oil Corporation Limited (IOCL) with 10.5 MMTPA Refinery at Chennai, Manali and 1 MMTPA Cauvery Basin Refinery (CBR) at Nagapattinam, Tamilnadu.
- 1.2 A 9 MMTPA Cauvery Basin Refinery & petrochemical (CBRPL) Project is ongoing at Nagapattinam, Tamilnadu.
- 1.3 As a part of this project, 4.5 MWp grid interactive Ground Mounted Solar Power plant that has been installed in Muttam, Nagapattinam, Tamilnadu is to be dismantled and reinstated in new location of Project site.

## 2.0 BACKGROUND

- 2.1 This 4.5 MWp grid interactive Ground Mounted Solar Power plant was commissioned in the year 2016 and is under working condition.
- 2.2 Details of the installed plant facility are as under :

Details of current project 4.5 MWp - CPCL		
Capacity	DC	4.5 Mwp
	AC	4.0 MW
Module	Canadian Solar	315 Wp
	Number	14320
	No of Module per table	80
	No of Module per String	20
Inverter	No of string per table	4
	ABB	1 MW
	No of inverter	4
	Internal or external inverter	Internal
Transformer	Housed in a shed	yes
	input volt	800 +/-
	output volt	400 +/-
	Voltamp	1 MWA
AC / DC ration	No of transformers	4
	4.5 MWp for 4 MW AC	1.125: 1
TL		
	ACSR DOG	
	KV	11
Yard & Gantry	Distance of TL	7 Km
	6 Pole structure	
Auxiliary Trafo	Voltamp	0.5 MVA

2.3 Existing location on map:



2.4 Proposed location on map:





### **3.0 PRE-QUALIFICATION CRITERIA**

- 3.1 Bidders should have experience of either of given below two qualifications:-
- a) "Installation, Testing, Commissioning and O & M of minimum 2 MWp Solar Plant" executed by the bidder as main contractor or sub-contractor during any of the last 10 (Ten) years ending on last day of the month immediately previous to the month in which last date of bid submission falls.
  - b) "Installation, Testing and Commissioning of minimum 2 MWp Solar Plant" executed by the bidder as main contractor or sub-contractor during any of the last 10 (Ten) years ending on last day of the month immediately previous to the month in which last date of bid submission falls.

### **4.0 SCOPE OF BIDDERS**

- 4.1 Providing layout for the new Solar Plant for 4.5 MWp Capacity in the available 16 acres land including solar Panels, maintenance access-ways, roads, drains, electrical equipment such as SCADA, UPS, Inverters, PLC, switchboard, etc.
- 4.2 Providing design and detailed construction drawing for Module Mounting Structure (MMS) and RCC foundation, control room, substation/inverter room, guard cabin, transformer foundation, transformer shed, roads and drains, cleaning system comprising of pumps and storage tanks, etc.
- 4.3 Dismantling of the PV Modules along with their support structures {except Mounting module structure (MMS) verticals}, electrical accessories such as 32 Nos String Monitoring boxes, Weather monitoring stations, 4 Nos. inverters, 4 Nos. transformers, Scada System, PLC panel, 30 Batteries and UPS (01 No 20KVA), approx. 72 Nos. Solar Street lamps, 02 Nos. Water Pumps and booster pumps, water tank with PVC Piping (used for washing of solar panels) from the existing location.
- 4.4 Shifting of all dismantled items safely from the dismantled area, transportation and erection of same at new location.
- 4.5 Maximum of dismantled structural material along with PV Modules and other electrical items shall be reused.
- 4.6 Installation and commissioning of solar plant in new location.
- 4.7 Dismantling, shifting and installation of solar plant shall be carried out in multiples of 1 MW (AC).
- 4.8 Design, engineering, supply, erection, commissioning of fire water protection and/or detection and/or prevention system as per statutory authority's guidelines/ recommendations.
- 4.9 Mobilization, hiring, demobilization of all types of heavy equipment like hydra, crane, tractor and trolley (irrespective of size, rating, capacity, type), etc., all types of manpower, general and special lifting tools & tackles.
- 4.10 Supply of scaffolding material, erection and dismantling of scaffolding as necessary.
- 4.11 All statutory compliances and approvals related to CEIG (TNEB), MNRE, CEA, etc.
- 4.12 All statutory requirements related to Safety and Firefighting, etc. to be complied.



CPCL

- 4.13 Comprehensive Operation & Maintenance of shifted 4.5MWp solar plant for 03 years after installation.

## **5.0 SCOPE OF CPCL**

- 5.1 Soil filled, graded and compacted land upto the Finished Ground level required for setting-up of the Solar Plant system.
- 5.2 All civil construction works for the new plant including roads, drains, all civil foundations, buildings, substation, transformer sheds inverter room, control room, security guard cabin, foundations for module mounted structure lighting poles, double pole structure, pumps & water tank and any other civil work associated with the new solar plant.
- 5.3 Fencing of the entire plant.
- 5.4 Subject to availability, construction power may be provided as a single source to the existing site on chargeable basis and contractor to make their further arrangement for distribution of same.

## **6.0 TIMELINE FOR ACTIVITIES FROM DATE OF LOA (LETTER OF ACCEPTANCE)**

Sl. No.	Activity	Timeline	Action by
1	Submission of layout, civil foundation and structural drawing	01 Month	Successful bidder
2	Civil Construction Job	04 Months	CPCL
3	Dismantling, shifting, erection and commissioning activities	03 Months	Successful bidder

- 6.1 Successful bidder should apply and take necessary clearances from MNRE & CEIG for shifting and other parallel activities necessary for shifting.
- 6.2 Overall completion schedule of the job shall be 08 months from the date of LoA.

## **7.0 DOCUMENTS TO BE SUBMITTED**

- 7.1 Copies of relevant documents of bidder to prove that the company has experience in either of
- a) "Installation, Testing, Commissioning and O & M of minimum 2 MW Solar Plant" executed by the bidder as main contractor or sub-contractor.
  - b) "Installation, Testing and Commissioning of minimum 2 MW Solar Plant" executed by the bidder as main contractor or sub-contractor.
- 7.2 Financial turnover details, viz. Balance Sheets and Profit & Loss Account Statements for the past three financial years of the bidder.
- 7.3 Statutory registration details, viz., ESI, EPF, PAN and GST.
- 7.4 Details of black listing / holiday listing, if any, by any PSUs.
- 7.5 Other relevant documents, in support of the credentials.



## 8.0 GENERAL

8.1 Contact details for any queries regarding e-tendering process is given below:

E-mail : [cpcltenders@cpcl.co.in](mailto:cpcltenders@cpcl.co.in)  
Contact Telephone Numbers : 044 2594 4507 / 2594 4000 Ext.224  
In person : e-procurement cell, Admin Block-III  
CPCL, Manali, Chennai-600 068

8.2 Contact details for any queries other than e-tendering process is given below:

- a. Contact Person : Mr. N Sudhakar  
Designation : Deputy General Manager (Projects)  
E-mail : [sudhakarn@cpcl.co.in](mailto:sudhakarn@cpcl.co.in)  
Telephone Number : 04365-256705  
In person : Administration Building, Cauvery Basin Refinery, CPCL, Panangudi,  
Nagapattinam – 611002 .
- b. Contact Person : Mr. M. Backiyaraj  
Designation : Manager (Projects)  
E-mail : [backiyarajm@cpcl.co.in](mailto:backiyarajm@cpcl.co.in)  
Telephone Number : 04365-256761 / 8866517097  
In person : Administration Building, Cauvery Basin Refinery, CPCL, Panangudi,  
Nagapattinam - 611002.
- c. Contact Person : Mr. C. Selvam  
Designation : DGM (Materials)  
E-mail : [cselvam@cpcl.co.in](mailto:cselvam@cpcl.co.in)  
Telephone Number : 044 – 2594 4000; Extn.3840/4434  
In person : Chennai Petroleum Corporation Limited  
Manali, Chennai – 600 068.
- d. Contact Person : Mr. N. Sukumar  
Designation : Manager (CBR Project - Contracts)  
E-mail : [nsukumar@cpcl.co.in](mailto:nsukumar@cpcl.co.in)  
Telephone Number : 044 – 2434 0181, Extn.219  
In person : Chennai Petroleum Corporation Limited  
No. 536, Anna Salai, Teynampet  
Chennai – 600 018.

8.3 CPCL reserves the right to accept or reject any offer without assigning any reason thereof. The decision of CPCL shall be binding on all parties.

8.4 Intending bidder shall submit their EOI in individual capacity.

8.5 Intending bidder can seek clarifications on any aspects of the EOI and CPCL may convene meeting(s) as deemed necessary to provide clarifications. The date of such meeting shall be intimated accordingly.

8.6 If the bidder deliberately gives wrong information in his EOI Document, CPCL reserves the right to reject such EOI without any reference to the bidder.

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