



**NEW AND RENEWABLE ENERGY DEVELOPMENT CORPORATION OF
ANDHRA PRADESH LIMITED (NREDCAP)
(A State Government Company)**

Regd. Office:# 12-464/5/1, River Oaks Apartment, CSR Kalyana Mandapam Road,
Tadepalli, Guntur District, Pin: 522 501.Email: vc@nredcap.in, evci@nredcap.in,
gm@nredcap.in

Ref: NREDCAP/EV/Registrations & Renewals/17-50/2023-24(Vol-IV)

Dt:13.02.2024

**Tender for Supply, Installation, Commissioning, Operation & Maintenance of 1 No of
60 KW DC Capacity Charger & 2 Nos of 7.4 KW AC Chargers at Administrative
Building, Visakhapatnam Port Trust from NREDCAP's Empaneled Charge Point
Developers**

Inviting Bids from **NREDCAP's Empaneled Charge Point Developers/ Charge Point Operators** towards Supply, Installation, Commissioning, Operation & Maintenance of 1 No of 60 KW DC Capacity EV Charger & 2 Nos of 7.4 KW AC EV Chargers at Administrative Building, Visakhapatnam Port Authority for a period of 3 years as per detailed annexure -A along with specifications. The chargers shall be supplied with Two-year warranty to Visakhapatnam Port Authority.

The Charge Point Developer/Charge Point Operator shall have experience in Supply, Installation, Commissioning, Operation & Maintenance of EV Chargers of capacity 500KW across India and turnover of Rs. 75 Lakhs during the last 3 financial years in development of Charging Infrastructure (Enclose copy of IT Returns/ certificate issued by Chartered Accountant). The suppliers have not been black listed at any time by NREDCAP as well as any of the Govt. Nodal Agencies in the country. The supplier shall submit the NABL accredited Lab's certified EV Chargers.

The suppliers fulfilling the eligibility criteria shall submit their sealed Technical & Financial quotations in the formats enclosed **on or before 20.02.2024, 11:00 AM** along with bid processing fee of Rs.5000 plus 18% GST (Non-refundable) and an **Earnest Money Deposit of Rs. 10,000/- (Rupees Ten thousand only)** in the form of DD/ RTGS from any Nationalized Bank drawn in favour of NREDCAP, which is refundable after finalization of the bids.

**Sd/-
VC & Managing Director**

1. NREDCAP reserves the right to modify, amend or supplement or cancel this Tender document, without any prior notice or without assigning any reason.

Authorized Person: The VC & Managing Director, NREDCAP

Address: 12-464/5/1, River Oaks Apartment,

CSR Kalyana Mandapam road, Tadepalli,

Guntur District

Tel: 0863 -2347650 /651/652/653

Email: vc@nredcap.in; evci@nredcap.in; gm@nredcap.in

Place: Tadepalli

Date :13.02.2024

2. Nodal Person for enquiries and clarifications

All correspondence, clarifications in respect of the Bid document and submission of the Bid shall be addressed to:

Designation:	VC & Managing Director, NREDCAP
Address:	12-464/5/1, River Oaks Apartment, CSR Kalyana Mandapam road, Tadepalli, Guntur District
Telephone:	0863 -2347650 /651/652/653
E-mail id:	vc@nredcap.in ; evci@nredcap.in ; gm@nredcap.in

2. SCOPE

2.1 Project Scope

New and Renewable Energy Development Corporation of A.P. Ltd. (NREDCAP)

intended to select Charge Point Operator to undertake the following works:

1. AC 7.4 KW Capacity Chargers with one gun suitable to charge Electric Vehicles shall be installed as per the standards and specifications of MoP and cost is including Canopy, civil works, power connections etc – 2 Nos
2. DC 60 KW Capacity Chargers with two guns suitable to charge Electric Vehicles shall be installed as per the standards and specifications of MoP and cost is including Canopy, civil works, power connections etc – 1 Nos
3. All the above equipment shall be maintained for a period of 3 years. Maintenance amount will be paid on revenue sharing basis.

Interested Charge Point Developers fulfilling the eligibility criteria shall submit in **two separate zip folders for Technical Bid and Commercial Bid as per the formats and** hard copies are to be submitted on or before 20.02.2024 before 11: 00 Hours **including Earnest Money Deposit (EMD) of Rs.10,000/- (Rupees Ten Thousand Only)** and relevant processing fee in the form of DD/RTGS from any national bank drawn in favor of NREDCAP. Documents shall be submitted in sealed cover super scribed with **“Tender for Selection of Charge Point Developer for supply, installation, commissioning, operation and maintenance of 1 No of 60KW DC & 2 Nos of 7.4 KW A C EV-Chargers with suitable App to reserve / charging & payment of Charging Cost at Administrative building, Vizag Port Trust, Visakhapatnam ”** to New and Renewable Energy Development Corporation of A.P Ltd (NREDCAP), 12-464/5/1, River Oaks Apartments, CSR Kalyana Mandapam Road, Tadepalli, Guntur District- 522 501.

2.2. Scope of Charge Point Developer:

1. Supply, packaging, and Transportation of EV Charger Foundation Plinth
2. Supply, Routing, Laying & Fixing of Input Power cables /Earthing cables from Input panel to EV.
3. Supply of Input Breaker and MCCB/MCB
4. Lifting & moving of the goods to the desired location at site.
5. Supervision of Installation and Erection.
6. Installation & Commissioning of the EV Chargers
7. Operation and Maintenance of the Chargers for a period of 3 years.

3. Public Charging Infrastructure – Mandate

- The PCS shall be supplied as per the standards and specifications of MoP/CEA/DISCOM and install and operate with necessary civil works and canopy. The CPD shall arrange insurance against all risks such as theft/fire etc.,
- PCS should be made operational only after requisite clearances are obtained as per CEA Regulations 2019, and subsequent amendments Tie up with at least one online network service provider to enable advance remote/online booking of charging slots by EV owners
- All charging points/chargers should have been type tested by an agency / lab accredited by NABL from time to time.

3.2 Information to be submitted to open Database:

The CPD must make provision that the following information would be made available to the open data base managed by NREDCAP.

Station level data:

- Name of the charging station
- Location (latitude, longitude)
- Operator name and contact details
- Modes of payment accepted
- Advance booking availability with available slots
- Operating hours and days
- Operating status (operational or non-operational)

Charging unit level data

- Charging unit ID
- Type of charging gun along with quantity of each and the capacity of each charging gun
- Operating status (Connected or Available or Out of Service)
- Maintenance alerts
- Usage statistics- timestamps of charging usage
- Power consumption- Separately for each charging point

3.3 Safety Norms

All PCS should be incorporated with suitable protection and monitoring devices for safe and reliable operation of charging stations. All PCS must follow the following safety norms:

- Safety provisions for charging stations, CEA (Technical Standards for Connectivity of Distributed Generation Sources) Regulations, 2019

- CPD shall keep the records to an extent that the PCS installation have been carried out and maintained in accordance with safety norms as per the relevant CEA Regulation & manufacturer's installation and maintenance instructions
- All safety standards must be followed as mentioned in CEA guidelines dated 28 June 2019 and subsequent amendment's Protection against the overload of the charging supply and incoming supply fittings must be provided
- The CPD must ensure that the licensed space for PCS must not be misused due to actions such as intentional / unintentional blocking of parking space by vehicles which are not being charged

3.4 Billing and payment requirements

a) Metering

- Smart metering as per Indian standards must be ensured for power consumption by EV chargers at the EV charging station.
- Separate metering must be ensured by the CPD for other associated purposes such as office of EV Charging station, public amenities, consumption of other equipment etc.

b) Billing

- Billing must be as per service charge – finalized/approved by NREDCAP.
- The EV user must be provided with a bill stating the cost distribution & electricity consumption with charging time.

c) Payment

- BHIM, UPI, NFC, RFID and mobile wallet/mobile app based compliant mobile application payment.

4. Qualification Requirements

Evaluation of Bids will be based on meeting the Eligibility Criteria comprising of General Eligibility Criteria, Technical Eligibility Criteria and Financial Eligibility Criteria. Any Charge Point Developer who meets the Qualification Requirements stated herein shall be declared as “Qualified Charge Point Developer” for the purpose of evaluation under this BID.

4.1 Eligibility Criteria

a) General Criteria

- i. Any Charge Point Developer including its Associate Company /Parent Company/ Ultimate Parent Company cannot submit more than one Bid under this BID.
- ii. Charge Point Developer can use the technical strength of its Associate Company /Parent Company/ Ultimate Parent Company to fulfill the Technical Eligibility criteria mentioned. In such case, Charge Point Developers shall submit a certificate of relationship of Associate Company/Parent Company/ Ultimate Parent Company with the Bidding Company as per Format. Company Secretary Certificate towards such shareholding pattern along with a Board resolution shall be submitted.
- iii. Foreign companies are not eligible to participate in this Bid process.
- iv. Charge Point Developers in Conflict of Interest with one another shall be liable for disqualification/rejection under the sole discretion of the Authorized Representative. Charge Point Developer shall make relevant disclosures.
- v. The Charge Point Developer should have minimum Net worth of Rs. 75 Lakhs. The Charge Point Developer shall have the prescribed Net Worth for the year 2022-23. The computation of **Net Worth** shall be based on unconsolidated audited annual accounts of the company. The company would be required to submit annual audited accounts for the financial years 2021-22,2022-23 along with a certificate from the Chartered Accountant to demonstrate the fulfillment of the criteria.

Net Worth	:	Paid share capital
Add	:	Reserves
Subtract	:	Revaluation Reserves
Subtract	:	Intangible Assets
Subtract	:	Miscellaneous

Expenditures to the extent not Written off and carry forward losses.

The Charge Point Developer should be a Public limited company or Private limited company or Consortium. The company /companies should be registered in India. The term Charge Point Developer used hereinafter would therefore apply to both a single Charge Point Developer and/or the Consortium.

4.2 Technical Eligibility Criteria

- i. The OEM or Dealer should have supplied a minimum of 500 KW capacity EV- Chargers

during the last three years

- ii. The OEM or Dealer should have experience in installation, commissioning and operation of EV-Chargers in 25 locations
- iii. Interested bidder shall submit in the prescribed format duly certified by practicing Chartered Accountant.

4.3. Financial Eligibility Criteria for Open Category

- i. Cumulative Turnover during last 3 years, FY 2020-21, FY 2021-22, FY 2022-23 shall be atleast INR 75 Lakhs in the field of Energy Storage/ EV Charging or any other related activities to EV Segment with or without JV
- ii. Copies of audited financial statements along with a certificate from Chartered Accountant/Statutory Auditor, as applicable, confirming the Cumulative Turnover. Provisional financial statements certified by chartered accountant shall be furnished. For Bidding Firms, copies of Income Tax returns with full details of turnover should be furnished along with a certificate from the CA confirming the Cumulative Annual Turnover and net worth
- iii. Interested bidder shall submit in the prescribed format duly certified by practicing Chartered Accountant.

4.4. Financial Bid

Cost of Equipment including supply, installation, commissioning, maintenance, canopy and civil works, insurance and suitable APP for capacity wise as per format,

- a. AC-7.4 KW Capacity Chargers with all necessary accessories like sockets etc., to suit for charging E-Vehicles – 2 Nos
- b. DC-60 KW Capacity Chargers with all necessary accessories like sockets etc., to suit for charging E- Vehicles- 1 No

4.5. Evaluation of Bids

Prior to detailed evaluation of qualification requirements, NREDCAP will determine whether each bidder is substantially responsive to the requirements of the qualification document. For the purpose of these processes, a substantially responsive qualification is one which conforms to all the terms, conditions and requirements of the qualification documents without material deviation. The bidder may note the following evaluation criteria for the purpose of determining successful bidder. Please note that the NREDCAP is no obligation to award the contract after determining such successful bidder. NREDCAP is having right to reject any or all offers received or cancel the tender itself.

TECHNICAL SPECIFICATIONS OF EV CHARGERS

S.NO	Item	Qty
1	TC2D60 – 60kW Dual Connector CCS2 DC Fast EVC Including <ul style="list-style-type: none">• Packaging and delivery to project location• LTACDB Panel• 24 Months (2 Years) Warranty	01
2	7.4 kW AC EVC Including <ul style="list-style-type: none">• Packaging and delivery to project location• 24 Months (2 Years) Warranty	02

Date:

Signature of the Tenderer / Manufacturer with seal

Annexure-B

Civil work, Installation, Testing and Commissioning of Chargers

S.NO	Item	Qty	Units
1	Laying of 3.5C 95Sq.mm Ar. Alcable	180	Mtr.
2	Excavation of cable trench including breaking of PCC	90	Mtr.
3.	Preparation of trench by spreading of sand bed, laying of brick bed & cable (Supply of sand and brick included)	90	Mtr.
4.	Backfilling and plastering the cable trench with civil material	90	Mtr.
5.	Fabrication of Outdoor type DBbox including wiring, without switchgear	01	No.
6.	Fixing of 4P 250A MCCB box at panel room	01	No.
7.	Terminations only erection 3.5C 95sq.mm cable	04	sets
8.	Terminations only erection 4C 35sq.mm flex cable	02	No.s
9.	Terminations only erection 3C 6sq.mm flex cable	04	sets
10.	3.5C 95sq.mm Ar. Al Cable	180	mtr
11.	4C 35sq.mm Cu. Cable	25	mtr
12.	3C 6sq.mm Cu. cable	80	mtr

13.	40mm DC Cable glands	04	No.s
14.	32mm pvc cable glands	02	No.s
15	22mm pvc cable glands	04	No.s
16	95Sq.mm Al. Lugs	16	No.s
17	35sq.mm Cu. Lugs	08	No.s
18	6sq.mm Cu. Lugs	20	No.s
19	4P 250A MCCB with thermal release	01	No.s
20	MCCB Enclosure	01	No.s
21	3P 125A MCCB	01	No.s
22	3P 40A MCB	02	No.s
23	LT Cable Route Markers	06	No.s

Date:

Signature of the Tenderer / Manufacturer with seal

Software and Branding

S.NO	Item	Qty
1	OCPP V 1.6 Charging station management system and Mobile application to operate chargers on Prepaid basis for DC Chargers. Included : Software configuration and Installation Software maintenance for Two years	01
2	OCPP V 1.6 Charging station management system and Mobile application to operate chargers on Prepaid basis for AC Chargers Included : Software configuration and Installation Software maintenance for Two years	02
3	Branding : Foundation plinth for charger Parking lot Marking and painting Do's and Don'ts Instruction Boards Surrounding Wall Painting "EV CHARGING STATION" lettering	-

Date:

Signature of the Tenderer / Manufacturer with seal

Maintenance

S.NO	Item	Description
1.	Preventive and Scheduled maintenance	

Date:

Signature of the Tenderer / Manufacturer with seal

Technical Specification Data Sheet TC2D60 (60kW) Dual Connector CCS2

Title	Parameter	Description
General	EVC Type	Dual Connector DC EVC
	Charging Mode	Mode 4
	Simultaneous Charging	Yes with Shared Power
Input Requirements	AC Supply System	3-phase, 5 wire AC System (3Ph + N + E)
	Input Voltage	415Vac +/- 5% in 50Hz or 60Hz supply
	Power factor	0.99
	Current THD	Compliant with IEEE 519
Output Specifications	DC Connector 1	Combined Charging System 2 (CCS2), 125A max, 60kW max
	DC Connector 2	Combined Charging System 2 (CCS2), 125A max, 60kW max
	Voltage range	1000Vdc
	Efficiency	95% at nominal power
User Interface and Control System	Display	OLED Touch Screen
	Emergency Stop Button	Mushroom Type Push in Red Color
	User Authorisation	RFID (ISO/IEC14443 or Mi Fare), or Through Mobile Application
Communication	Network Interface	Ethernet (Standard), 3G/4G (Optional), Wifi (Optional)
	CSMS Interface	OCPP 1.6J, upgradable to OCPP 2.0
Environmental	Operating temperature	-35 Degree C to 60 Degree C
	Storage Temperature	-40 Degree C to 70 Degree C
	Operating Humidity	95%, non-condensing
Physical and Mechanical	Enclosure Protection	IK10
	Ingress Protection	IP54
	Cooling	Forced Air Cooled
	Dimensions H*W*D (inmm)	1550*491*746

	Charging Cable Length	5m for both cables
Protection	Safety Parameters	Over Current, Under Voltage, Over Voltage, Residual Current, Surge Protection, Short Circuit, Earth protection at input/output, Input Phasereversal, Over temperature protection against electric shock

Date:

Signature of the Tenderer / Manufacturer with seal

Financial Bid

S.NO	Item	Amount Incl. GST
A	Electric Vehicle Supply Equipment (EVSE)	
B	Civil work, Installation, Testing and Commissioning of Chargers	
C	Software and Branding	
D	Preventive and Scheduled Maintenance	
Total in INR (A+B+C+D)		

TERMS AND CONDITIONS

1. The Specifications of the EV Chargers as mentioned in the enclosed **Annexure -'A to E '** shall be supplied, installed, commissioned on or before 20.02.2024.
2. The supplier shall quote for all the items and the rates quoted in the financial offer (Annexure - F) shall inclusive of transportation Charges and all taxes applicable. Partial quotes will be Rejected.
3. The filled in document together with all enclosures shall be submitted in a sealed cover super scribing **“financial offer for establishment of 1 No of 60 KW DC EV Charger & 2 Nos of 7.4 KW AC EV Chargers at administrative building, Vizag Port Trust, Visakhapatnam”**.
 - i. Turnover Certificate
 - ii. IT Returns
 - iii. GST Certificate
 - iv. PAN Certificate
 - v. ROC/Partnership Deeds
 - vi. Proof of supply, installation, commissioning of EV Chargers across India during the last 3 years
4. NABL Accredited Lab test reports for both the chargers shall be submitted. In case if it is found that materials are not as per Standard Specifications, such components are to be replaced at free of cost.
5. All the Chargers should be under guaranteed for a period of **TWO Years** from the date of installation against all defects.
6. The VC & Managing Director may relax any of the conditions for valid reasons and the decision of VC & Managing Director is final and binding.
7. Payment Terms:
 - A. 65% Payment will be released against supply of EV Chargers and on submission of bills certified by the beneficiary organization i.e., Vizag Port Authority.
 - B. 32% Payment on installation, commissioning of EV Chargers and handing over the chargers beneficiary organization i.e., Vizag Port Authority
 - C. 3% on Successful maintenance of Equipment for a period of three years
8. The charge point developer shall take commissioning certificate from District Coordinator, NREDCAP, Visakhapatnam.
9. All disputes are subjected to Guntur jurisdiction only.

Date:

Signature of the Tenderer / Manufacturer with seal

STATEMENT – I

Information on litigation history in which Tenderer is the Petitioner.

S.No	Case No/Year	Court where filed	Subject Matter/ Prayer in the case	Respondents	Present stage

Date: **Signature of the Tenderer / Manufacturer with seal**

STATEMENT -II

DECLARATION

I /We Have gone through carefully all the Tender conditions and solemnly declare that I/We will abide by any penal action such as disqualification or black listing or determination of contract or any other action deemed fit, taken by, the Department against us, if it is found that the statements, documents, certificates produced by us are false/fabricated.

I/We hereby declare that, I/We have not been Blacklisted/debarred/Suspended/demoted in any department in Andhra Pradesh or in any State due to any reasons.

Date: **Signature of the Tenderer / Manufacturer with seal**