

**Request for Expression of Interest (REOI)**

**For**

**Development, Operation, and Maintenance of EV Yatra Portal and App (EV charging) for  
West Bengal**



**West Bengal State Electricity Distribution Company Limited Vidyut Bhawan**

**Block DJ, Sector - II, Bidhannagar, Kolkata - 700091**

**EOI No: WBSEDCL/Project-III/EVCS/REOI/2025-26/29**

**Date : 18 / 02/2026**

Sd/-

**S. Saha (Nayek)**

**Chief Engineer  
Project-III ,W.B.S.E.D.C.L.**

  
16/02/26

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This REoI document is not an Agreement and is not an offer or invitation to any other party. The purpose of this REoI document is to provide the Bidders with information to assist the formulation of their Expression of Interest submission. This document does not purport to contain all the information each Bidder may require. This REoI document may not be appropriate for all persons and it is not possible for WBSEDCL and their employees or Consultants/Advisors to consider the investment objectives, financial situation and particular needs of each Bidder. Certain Bidders may have a better knowledge of the proposed Project than others. Each recipient must conduct its own analysis of the information contained in this REoI document or to correct any inaccuracies therein that may appear in this REoI document and is advised to carry out its own investigation into the proposed Project, the legislative and regulatory regimes which applies thereto and by and all matters pertinent to the proposed Project and to seek its own professional advice on the legal, financial, regulatory and taxation consequences of entering into any agreement or arrangement relating to the proposed Project.

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WBSEDCL may in its absolute discretion, but without being under any obligation to do so, can amend or supplement the information/clauses/articles in this REoI document. The information that WBSEDCL is in a position to furnish is limited to this document only. The information contained in the REoI document must be kept confidential.

**NOTICE INVITING EXPRESSION OF INTEREST - IMPORTANT DATA**

<b>Sl. No.</b>	<b>Activity</b>	<b>Duration</b>
1.	Tender/Bid/REOI References:	<b>WBSEDCL/Project-III/EVCS/REOI/2025-26/29 Date : 18/02/2026</b>
2.	REOI Publication date & Time:	The REOI for this work shall be available from online on <a href="http://www.wbtenders.gov.in">www.wbtenders.gov.in</a> and <a href="http://www.wbsedcl.in">www.wbsedcl.in</a> from 18 /02/2026 at 14:00 Hours.
3.	Document Download start date & Time:	18 /02/2026 at 14:00 hrs.
4.	Pre-REOI discussion Date & Time:	27/02/2026 at 14:00 Hours onwards.  Interested Parties shall have to email their queries to <a href="mailto:ceprojiii@wbsedcl.in">ceprojiii@wbsedcl.in</a> on or before the pre-REOI discussion date. The pre-EOI discussion shall be conducted at:  <b>Conference Room-, 2<sup>nd</sup> Floor, C-Block Vidyut Bhawan, Block - DJ, Sector - II, Bidhannagar, Kolkata - 700091.</b>  <b>For Virtual Mode : Meeting link shall be shared on request sent at <a href="mailto:ceprojiii@wbsedcl.in">ceprojiii@wbsedcl.in</a></b>
5.	REOI Submission start Date & Time:	09/03/2026 at 11:00 hrs.
6.	REOI Downloading End date & time:	24.03.2026 upto 14:30 hrs
7.	Last date and time for submission of response to Request for Expression of Interest (REOI) :	On or before 24.03.2026 upto 14:30 hrs
8.	REOI Opening Date & Time:	27.03.2026 at 14:00 hrs.
9.	Technical presentation date and time	To be intimated after EOI Opening Date

## REQUEST FOR EXPRESSION OF INTEREST

### 1. Introduction

Power Department, Government of West Bengal issued Electric Vehicle Policy 2021 (No: 189-POW-2021 date: 3rd June'2021) in which state will target to be the best state in electric mobility penetration by 2030 and target to have 10 lakh EVs, combined across all segment of vehicles, during the policy implementation. WBSEDCL has been designated as the "State Nodal Agency" for setting up Charging Infrastructure for Electric Vehicle vide notification no. 51-PO/O/C-III/4M-27/2017 Dated 12.03.2019. Utilities hold the keys to accelerating their deployment. By accelerating EV deployment, utilities can increase energy demand and revenue growth. Charging infrastructure will play a pivotal role on EV deployment,

WBSEDCL Project III department being the EV Accelerator Cell and State Nodal Agency for the development and promotion of EV infrastructure in the state of West Bengal, has taken up the job for promoting e-mobility in the State and act as a facilitator for inter- departmental coordination's and raise awareness on e-mobility. As a SNA initiative, WBSEDCL is allotting WBSEDCL's, WBSETCL's and Govt. Lands to the Charge Point Operators to develop charging stations under PPP model, wherein the backend electrical infrastructure is being developed by WBSEDCL under RDSS. WBSEDCL is also providing promotional EV tariff for the EV Charging Stations to its Charge Point Operators. LOAs have already been placed to the CPOs for development of 184 nos. EV Charging Stations, out of which around 32 nos. of charging stations are already running.

West Bengal has the potential to rapidly adopt electric vehicles (EVs), supported by multiple stakeholders through extensive EV charging infrastructure deployment. The West Bengal Electric Vehicle Policy 2021 asserts to sustainable mobility with a focus on building a digital, smart charging infrastructure. Presently, according to the VAHAN Dashboard data there are 2,54,331 nos. of EVs in West Bengal, which comprises of 20,728 nos. of 4W, 1,59,792 nos. of 3W, 73,811 nos. of 2W. This initiative has attracted investments in the charging business, and as of today West Bengal has more than 1700 nos. of charging stations.

### 2. Background

India's electric mobility ecosystem is expanding rapidly, with more than **80 Charging Point Operators (CPOs)** currently active across the country. In recent years, West Bengal particularly Kolkata has witnessed a significant surge in electric vehicle (EV) adoption. Various stakeholders, including the New Town Kolkata Development Authority (NKDA), Energy Efficiency Services Limited (EESL), Oil Companies and Calcutta Electric Supply Corporation (CESC), have taken proactive measures to support this transition by installing EV charging stations across key urban locations.

While this growth has significantly increased the availability of public charging infrastructure, it has also introduced challenges for end-users due to fragmentation in digital access. Each CPO operates its own mobile application or digital interface, requiring EV consumers to download multiple apps to locate charging stations operated by different providers. This lack of a unified platform creates inconvenience, limits visibility of available chargers, and often leads to confusion at the point of need.

To address this fragmentation, the **Bureau of Energy Efficiency (BEE)** had earlier introduced the **EV Yatra Portal**, intended as a nationwide aggregator of public EV charging stations. The platform provided a centralised view of chargers across multiple networks. However, with the discontinuation of the EV Yatra Portal, India currently lacks a functional, unified, and authoritative digital interface for accessing EV public charging information. This has created a significant gap in between EV users, Charge Point Operators and policymakers. The West Bengal EV policy 2021 has also the provision for development of digital platform for EV charging and analytical dashboard for effective monitoring.

From a consumer standpoint, there is a strong need for a single, reliable mobile application that can:

- Display all available charging stations in proximity
- Provide real-time charger availability and operational status
- Facilitate navigation, slot booking, and cashless payments
- Offer a seamless user experience independent of CPO boundaries

From a **state-level planning and governance perspective**, the absence of a unified platform limits WBSIEDCL's ability to:

- Monitor EV charging infrastructure growth within West Bengal
- Assess utilization patterns and demand surges across regions
- Identify gaps in charging station deployment
- Plan electrical network augmentation aligned to EV adoption trends
- Maintain comprehensive, up-to-date administrative data from all CPOs

As the **State Nodal Agency (SNA)** for EV Charging Infrastructure development in West Bengal, WBSIEDCL requires a robust digital system to manage, monitor, and coordinate the statewide EV charging ecosystem. This includes collecting structured data from all operating CPOs and establishing a common digital interface for citizens and government stakeholders.

In this context, WBSIEDCL intends to develop:

1. A **State-Level Unified EV Charging Mobile Application** for end users, offering features such as station location discovery, real-time status, slot booking, and integrated payments.
2. A **State EV Yatra Portal** to function as the administrative backend for data collection, analysis, reporting, and monitoring of EV charging infrastructure across West Bengal.

This REoI has therefore been issued to engage with competent industry partners capable of developing a modern, secure, and scalable digital platform that will serve as the backbone of the state's electric mobility ecosystem.

### 3. Objectives of the EOI

This EOI is undertaken as an industry consultation to determine credible applicants having requisite capability for undertaking the Scope of Work, to provide Expression of Interest (EOI) For "Developing the EV Yatra portal and State level EV charging app" for the state for monitoring and management of the Charging Stations and a EV charging App having features like EVCS Locator, Charger Details, Dashboard, and redirect to concerned CPO's page for slot booking and payment for charging etc."

The primary objectives of this EOI are:

- To assess market readiness and technical capability of agencies with relevant expertise.
- To seek suggestions on **architecture, technology stack, security, and innovative features.**
- Identify best practices to ensure a **secure, scalable, interoperable** statewide platform.
- To **finalise the eligibility criteria** for shortlisting capable agencies for participation in a subsequent **RFB/Tender** process.

This EOI is exploratory in nature and does not constitute a commitment by WBSEDCL to award any contract.

**Note:** The information regarding the RFB made in this Eoi is indicative in nature and purely informative, and non-binding. WBSEDCL reserves the absolute right to cancel, change, alter or replace the Eoi or the RFB Stage and its Bidding Process and/or the whole Project itself, without any reason thereof or providing any prior notice to any person including the applicants or bidders, as the case may be.

#### **4. Proposed Solution Overview**

##### **Proposed Digital Platform for EV Charging Infrastructure:**

Key features of the proposed platform include:

- Statewide Aggregation: A unified interface that consolidates charger data from multiple third-party providers.
- Operator Onboarding: A self - service portal enabling Charging Point Operators to register, manage and update charger locations and technical specifications.
- Monitor the rollout and operational status of charging stations.
- Capture periodic updates from registered Charging Point Operators (CPOs)
- Track progress against targets set under the West Bengal EV Policy.
- Enable data-driven planning and policy implementation.
- User Navigation: EV users will be able to locate and navigate to the nearest available charging station with ease.

The proposed solution shall consist of:

1. EV Charging Mobile Application (Android and iOS)
2. Web-based EV Portal along with Administrative, Monitoring & Analytics Dashboards
3. Centralized Backend & Integration Layer

The platform shall be designed to support state-wide EV charging infrastructure, including WBSEDCL-owned and third-party charging stations.

#### **5. Indicative Scope of Work**

##### **5.1. EV Charging Mobile Application (Citizen / EV User Interface) (Approximate user base of 10 lakh )**

- On boarding of CPOs (Integration with the mobile App)
- User registration and authentication (mobile/email/OTP)
- EV profile management (vehicle type, connector type, battery capacity, etc.)
- GIS/GPS- based discovery of EV charging stations and should be displayed on the map
- Route mapping
- Real-time charger availability and operational status
- Tariff against respective charger
- Redirect to CPO's web page/app for
  - Slot booking and queuing management

- Charging session initiation, monitoring, and completion
- Online payment
- Charging history, invoices, and receipts
- Push notifications, SMS, and email alerts
- Feedback, grievance and helpdesk integration

#### **5.2. Web Portal (Multi-Stakeholder Interface)**

- On boarding of CPOs
- Public information portal for EV ecosystem awareness
- Charging station operator (CPO) onboarding and management
- Charger inventory and asset management
- Tariff configuration and energy accounting
- User, role, and permission management
- Reports and Management Information System (MIS)
- Policy and planning support dashboards

#### **5.3. Administrative & WBSEDCL Dashboards**

- State-level EV infrastructure monitoring
- Energy consumption and load analytics
- Charger uptime, fault, and performance reports

#### **5.4. Integration & Technology Requirements**

- Integration with charging station management systems (OCPP or UEI or similar compliant)
- Integration with CPO's App/Web portal for slot booking, charging initiation & payment
- OCPI/UEI based integration with CPO's/third-party systems
- Cloud-ready/physical server, scalable architecture

#### **5.5. Cyber Security, Compliance & Standards**

- Compliance with IT Act 2000 and amendments
- Data privacy and protection norms
- CERT-In and Government cyber security guidelines
- Secure authentication and encryption mechanisms
- Audit trails and logging

#### **5.6. Operations & Maintenance (O&M)**

- Application maintenance and technical support
- Performance monitoring and SLA-based support
- Bug fixes, upgrades, and feature enhancements
- User training and knowledge transfer

- Detailed technical and user documentation

### **5.7. Expected Stakeholders & Users**

- EV owners and fleet operators
- Charging Infrastructure Operators (CPOs)
- WBSEDCL and other power utilities in West Bengal
- Government departments and agencies in West Bengal

## **6. Information to be Submitted in EOI**

### **6.1. Company Profile (As per Annexure A)**

- Legal status and ownership details
- Year of incorporation
- Registered and corporate office address
- Certificate of Incorporation / Registration
- PAN and GST certificates
- Authorization letter for EOI submission (Board Resolution/PoA)
- Organization structure and manpower strength

### **6.2. Relevant Experience (Annexure B)**

Details of similar projects executed including Client name, project scope, duration, and value

- Experience in design and development of web portals and mobile applications.
- Experience in large-scale Government / PSU/ Private IT project.
- Experience in development of web portal or mobile applications for EV charging

Experience in EV, power, utilities, transport, smart city or energy domain projects shall be preferred.

### **6.3. Technical Approach (In both word and PPT format)**

Detailed approach and methodology including

- Proposed solution architecture
- Proposed technology stack
- Server configuration details
- Security and scalability approach
- Innovative features and best practices
- Approach for on boarding CPO's for charging and payment
  - having own app
  - using third party app

- Data requirements from CPO
- Support requirement from WBSEDCL
- Activity wise work Plan

#### **6.4. Financial Information (Annexure C)**

- Annual turnover certificates for last 3 years
- Net worth/Working capital for last 3 years

#### **7. EOI Submission Details**

- Last Date & Time for Submission: 24.03.2026 upto 14:30 hrs
- Mode of Submission: Online at [www.wbtenders.gov.in](http://www.wbtenders.gov.in)
- Submission Address / Portal: [www.wbtenders.gov.in](http://www.wbtenders.gov.in)
- Date of technical presentation: To be intimated after opening of the bid

*EOIs received after the due date and time shall not be considered.*

#### **8. Important Conditions & Disclaimer**

- WBSEDCL reserves the right to modify, cancel, or withdraw this EOI at any stage.
- Submission of EOI does not guarantee shortlisting or award of work.
- All costs associated with EOI preparation and submission shall be borne by the applicant.
- WBSEDCL shall not be liable for any loss or expense incurred by the applicants.

#### **9. Contact for Clarifications**

**Name & Designation:** Sri P. K Layek , SE(E)  
**Department:** Project-III , WBSEDCL  
**Email:** ceprojiii@wbasedcl.in  
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**Name & Designation:** Sri C.K Baral ,DE (IT&C)  
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**Annexure A:**

<b>S. No.</b>	<b>Details about Bidder</b>	<b>Attachment</b>	<b>Remarks</b>
1	Name of the bidder		
2	Year of Incorporation	Certificate of Incorporation / Registration	
3	Legal status and ownership details		
4	Registered and corporate office address		
5	PAN no.	Please attach the copy	
6	GST no.	Please attach the copy	

**Annexure B: Technical Experience**

<b>S. No.</b>	<b>Name of Project</b>	<b>Client details and address</b>	<b>Govt./PSU project (Yes/No)</b>	<b>Project duration (MM/YY)</b>	<b>Project Value (in INR Cr.)</b>	<b>Activities Performed</b>

**Annexure C: Financial status of company**

S. No.	Financial Year	Annual Turnover in (INR Cr.)	Net Worth (in INR CR.)	Working Capital (INR CR.)
1	FY 2024-25			
2	FY 2023-24			
3	FY 2022-23			
	Average			

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