



# ଓଡ଼ିଶା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡି.

## ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)  
Regd. Office: Janpath: Bhubaneswar-751022.

Telephone: (0674) 2540051 (EPABX), Website: www.optcl.co.in  
CIN:U4102OR2004SGC007553

No. 01/2024-25

Dated. 24.12.2024

From

The Chief General Manager (IT),  
OPTCL, Bhubaneswar.

To,

### LIMITED TENDER CALL NOTICE NO. 01/2024-25 dated

Sub: - Limited Tender Call Notice for development of Geo-Fencing enabled Android based Mobile Application integrated with existing GIS application and One Year AMC

Dear Sir/Madam,

Quotations in a sealed cover super scribed as "For Development of Geo-Fencing enabled Android based Mobile Application integrated with existing GIS application and One Year AMC" are invited by Chief General Manager(IT), OPTCL, Bhubaneswar from eligible bidders for items conforming to the specification and quantity mentioned below.

Sl. No.	Name of Items	Specification	Qty. Required
01	Development of Geo-Fencing enabled Android based Mobile Application integrated with existing GIS application along with development of web based Admin Portal for management of the android application.	As per the Scope of Work (Annexure-E)	01 no
02	AMC	Annual Maintenance of the Applications	01 Year

#### Price Bid:

Bidder has to submit the price bid as per the attached format in **Annexure-A**.

#### Eligibility Criteria:

Bidder should conform their eligibility and submit relevant documents as per the attached format in **Annexure-D**.

The quotations should reach this office by **1.30 P.M. on dt 10.01.2025** and shall be opened on the same day at **3.30 PM** in presence of the tenderer or their authorized representatives.

The undersigned reserves the right to accept/reject any or all tenders without assigning any reason thereof.

#### TERMS AND CONDITIONS:

##### 01. Scope of work: -

The **Scope of work** includes the development of android application as per the desired scope (**Annexure-E**) and 1 Year AMC from the date of delivery of the application. AMC includes various support, maintenance and enhancement services to ensure the application run smoothly, remains secure and meets evolving business needs.

In a broad sense AMC includes



- a) Bug Fixing and Troubleshooting
  - Resolving any errors, crashes, or performance issues.
  - Identifying and fixing bugs reported by users or observed during routine maintenance.
- b) System Updates and Upgrades
  - Installing patches and updates for application software and dependencies.
  - Ensuring compatibility with operating system or third-party integrations.
- c) Performance Optimization
  - Monitoring and optimizing application speed and efficiency.
  - Identifying bottlenecks and improving responsiveness.
- d) Security Management
  - Applying security patches and updates.
  - Conducting periodic vulnerability assessments and penetration testing.
  - Implementing measures to mitigate potential threats.
- e) Data Backup and Recovery
  - Setting up and monitoring regular backups of application data.
  - Ensuring a disaster recovery plan is in place and functional.
- f) User Support and Helpdesk
  - Providing technical support to end users via phone, email, or ticketing systems.
  - Offering training sessions if necessary for new features or updates.
- g) Application Monitoring
  - Proactive monitoring to detect and address issues before they escalate.
  - Using tools to measure application health, performance, and usage statistics.
- h) New Feature Enhancements
  - Adding minor features or making improvements based on client feedback.
  - Customizing the application to meet specific user requirements.
- i) Database Management
  - Regular database maintenance, optimization, and troubleshooting.
  - Ensuring data integrity and efficient querying.
- j) Documentation and Reporting
  - Providing regular status reports on the application's health and activities performed under AMC.
  - Maintaining updated documentation for any changes or upgrades.
- k) Compliance and Licensing
  - Ensuring the application adheres to regulatory requirements.
  - Managing software licensing and renewals if applicable.
- l) Third-Party Integration Support
  - Managing issues or updates related to integrated third-party tools.
  - Ensuring seamless interoperability between the application and other systems.
- m) Management Dashboard support and maintenance
  - Preparation of MIS report as and when required by management
  - Maintenance of the Web portal(Management Dashboard)



02. **EMD:** - EMD amounting to Rs.7990.00 either in cash to be deposited with D.D.O. Hqrs. office at OPTCL cash counter or in shape of D.D issued by any nationalized Bank in favour of the DDO, Hqrs office, OPTCL, Bhubaneswar payable at Bhubaneswar is to be submitted with the tender. If the EMD is submitted by cash, the original Money Receipt is to be attached with the tender. Tenders without EMD shall not be accepted.
03. **Price:** - Price quoted by the tenderer at **Annexure-A** must be inclusive of all taxes, duties and development, installation and commissioning charges etc. for destination basis i.e. OPTCL, Bhubaneswar basis. Taxes and duties if any, should be mentioned in clear terms separately.
04. **Validity:** - The offer should remain valid for a period of 180 days from the date of opening.
05. **Delivery:** - The development and delivery of the Application by the Vendor shall be completed within 60 days from the date of issue of the order.
06. **Penalty:** -  
i) In case the supplier fails to deliver the application within the stipulated delivery period, liquidated damage @ 0.5% per each calendar week or part thereof subject to maximum of 5% of the cost of materials shall be imposed on the vender. However, imposition of liquidated damage is subject to force majeure conditions.  
ii) If the Supplier fails to rectify / solve the issues of the mobile application within 72 Hrs. from the time of intimation of the defect/issue, so noticed by the purchaser within the AMC period then the penalty for sum of 0.5% of the total AMC order amount for each 3 days of delay shall be recovered by the Purchaser within the warrantee period. For this purpose, penalty date will start from the date & time of reporting on defectiveness of equipment/material, so supplied, by the purchaser. The total amount of penalty in this case shall not exceed 10% (TEN PERCENT) of the purchase order amount. If the defects so intimated will not be rectified by the Supplier within the warrantee period, then whole of the B.G. will be forfeited by the Purchaser, without any intimation to the Supplier.

07. **Payment & Bank Guarantee:** -

- (a) 90% value of the Application shall be paid within 30 days from the date of invoice received.
- (b) The balance 10% payment shall be made after submission of the Performance Bank Guarantee for 10% value of the contract including AMC i.e. valid for 3(Three) months from the date of completion of contract against all losses incurred during the guarantee/warranty period.

OR

If CPBG is not submitted then balance 10% value of the contract including AMC shall be released after expiry of 3(Three) months from the date of completion of contract.

- (d) The original Bank Guarantee accompanied with a confirmation letter from the concerned bank shall be submitted in this office.
- (d) The submission of following documents shall enable OPTCL to honor your claim raised through Bill against the deliverables covered under this contract for 90% & 10% payment respectively.

**FOR 90% PAYMENT**

- (i) Bills (in triplicate)  
(ii) Delivery /Deployment Certificate  
(iii) User Acceptance Certificate  
Issued by OPTCL IT Department

**FOR 10% PAYMENT**

- I) Bills in triplicate  
II) Performance B.G.

**FOR AMC**

- I) Bills in Triplicate  
II) AMC Completion Certificate

08. **GSTN, PAN & Authorization Certificates:** - Clear Photocopy of GSTN & PAN registration should be submitted along with Tender papers.

09. **FORCE MAJEURE:-**

If at any time, during the continuance of this contract, the performance in whole or in part is delayed by reason of:

- Any war or hostility



- Act of public enemy, civil commotion, sabotage, explosions
- Effect of flood, epidemics, quarantine restrictions, freight embargoes
- General strikes, Bandhs
- Acts of God

herein after referred to as EVENT, neither party shall, by reason of such EVENT, be entitled to terminate this Contract, nor shall any party have any claim to the damages against the other in respect of such non-performance or delay in performance – provided that notice of happening, of any such EVENT is given by either party to the other within seven days from date of occurrence of the EVENT.

Expected Services and goods deliverable under this Contract shall resume as soon as practicable after such an EVENT comes to an end or ceases to exist. The decision of the Purchaser as to whether the situation has become normal or not, shall be final and conclusive.

If the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such EVENT for a period exceeding 60 days, either party may, at their option, terminate this contract.

10. **Payment Due from the FIRM:-**

All costs or damages for which the firm is liable to the purchaser will be deducted by the purchaser from any money due to the firm under the contract.

11. **Jurisdiction of the High Court of Orissa:-**

Suits, if any, arising out of this contract shall be filed by either party in a Court of Law to which the jurisdiction of the High Court of Orissa extends.

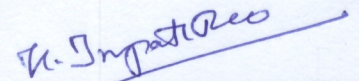
12. **Breach of Contract:**

The breach of any of those terms and conditions shall lead to the encashment of the Composite B.G and any other remedies, to which the purchaser may be entitled under this contract.

Encl: -

1. Price bid as per Annexure- A
2. Composite Bank Guarantee as per Annexure- B
3. Technical Bid as per Annexure – C
4. Eligibility Criteria as per Annexure- D
5. Scope Of Work Annexure -E

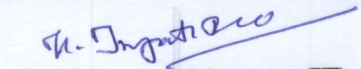
Yours faithfully,

  
Chief General Manager (IT)

Memo No. \_\_\_\_\_/

Dated.

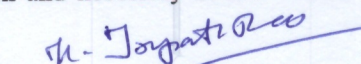
Copy to the D.D.O., OPTCL Headquarters office, Bhubaneswar for information and necessary action.

  
Chief General Manager (IT)

Memo No. \_\_\_\_\_/

Dated.

Copy to all Notice Boards of OPTCL Hqrs office for information and necessary action. /AGM (IT), IT Dept. for publication in OPTCL web site.

  
Chief General Manager (IT)



**Annexure-A**

**PRICE BID**

Sl. No.	DESCRIPTION OF MATERIALS.	QTY.	UNIT RATE INCLUDING GST (IN RS.)	TOTAL AMOUNT (In Rs)	REMARKS.
1	Development of Geo-Fencing enabled Android based Mobile Application integrated with existing GIS application along with development of web based Admin Portal for management of the android application.	1 no			
2	AMC(Annual Maintenance Contract)	1 Year			
<b>TOTAL</b>					

SIGNATURE OF TENDERER WITH SEAL & DATE

# N.B.: -The detail price breakup indicating GST, if any, etc is to be furnished in a separate sheet.



**Annexure-B**

**PROFORMA FOR COMPOSITE BANK GUARANTEE FOR  
SECURITY DEPOSIT, PAYMENT AND PERFORMANCE**

This Guarantee Bond is executed this .....day of ..... 201\_ by us the  
.....(Bank) at ..... P.O. .... P.S.....  
Dist..... State.-. ....

WHEREAS THE ORISSA POWER TRANSMISSION CORPORATION LTD., a corporate body constituted under the Company Act, 1956 (herein after called "the OPTCL") has placed orders No.....Dt.....(hereinafter called "The Contract) on M/s..... (hereinafter called "The Contractor") for supply, install, testing and commissioning of the ..... AND

WHEREAS the Contractor has agreed to supply, install, testing and commissioning of ..... at the OPTCL in terms of the said contract, AND

WHEREAS the OPTCL has agreed (1) to exempt the contractor from making payment of security, (2) to release 100% payment of the cost of materials as per the said agreement and (3) to exempt from performance guarantee on furnishing by the Contractor to the OPTCL a Composite Bank Guarantee of 10% (ten percent) of the contract value in force of the said contract.

NOW THEREFORE in consideration of the OPTCL having agreed (1) to exempt the contractor from making payment of security (2) releasing 100% payment to the contractor and (3) to exempt from furnishing performance guarantee in terms of the said contract as aforesaid, we, the .....(Bank) (hereinafter referred to as 'the Bank') do hereby undertake to pay to the OPTCL an amount not exceeding Rs.....(Rupees .....) against any loss or damage caused to or suffered by or would be caused to or suffered by the OPTCL by reason of any breach by the said contractor of any of the terms and conditions contained in the said contract.

(2) We (the Bank.....) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the OPTCL stating that the amount claimed is due by way of loss or damage caused to or suffered by the OPTCL by reason of any breach by the said Contractor of any of the terms or conditions contained in the said contract or by reason of the Contractor's failure to perform the said contract. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....).

(3) We (the Bank.....) also undertake to pay to the OPTCL any money so demanded notwithstanding any dispute or disputes raised by the Contractor in any suit or proceeding instituted / pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor (s) shall have no claim against us for making such payment.

(4) We (the Bank.....) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said contract and that it shall continue to be so enforceable till all the dues of the OPTCL under or by virtue of the said contract have been fully paid and its claims satisfied or discharged or till Managing Director, Orissa Power Transmission Corporation Limited or his nominee certifies that the terms and conditions of the said



contract have been fully and properly carried out by the said Contractor and accordingly discharges this guarantee.

Unless a demand or claim under this guarantee is made on us in writing on or before the \_\_\_\_\_ we shall be discharged from all liability under this guarantee thereafter.

(5) We (the Bank.....) further agree that the OPTCL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) and we shall not be relieved from our liability by reason of any such variations or extension being granted to the said Contractor or for any forbearance, act or omission on the part of the OPTCL or any indulgence by the OPTCL to the said contractor (s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provisions have effect of so relieving us.

(6) This guarantee will not be discharged due to the change in the name, style and constitution of the Bank and the contractor.

(7) We (the Bank.....) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the OPTCL in writing.

(8) We (the Bank.....) further agree that this guarantee shall also be invocable at our place of business at Bhubaneswar in the state of Orissa.

Dated at ..... the ..... day of ..... Two thousand .....

For .....  
(indicate the name of the Bank)

Witness:

- 1.
- 2.

**NOTE FOR TENDERERS** : The B.G. is to be furnished in Non-judicial Stamp paper of Rs.50/- as applicable as per Orissa Stamp Duty Act. from any Nationalized Bank.



**Annexure – C**

**TECHNICAL BID**

Sl. No.	Descriptions	Compliance(Y/N)	Deviation(s), if any
1	Certificate of Incorporation/ Registration as a proof of working in the Software Application development for the last three years should be attached.		
2	Copy of audited Annual Accounts including Balance Sheet, Profit & Loss account from a practicing Chartered Accountant (Having UDIN No) for three (03) financial years (FY) out of FY 2021-22, 2022-23 & 2023-24.		
3	Declaration of ineligibility for corrupt or fraudulent practices or blacklisted with any of the Government agencies as on bid submission date.		
4	Copy of PAN Card, GSTIN.		
5	Power of attorney(Authorized Signatory) notarized copy		
6	Valid ISO 27001, ISO 9001:2008/ CMMI Level 3/CMMI level 5 certification as on bid submission date.		
7	Supporting Document of Android Developers and Web developers.		
8	Android based Mobile Application development having user base not less than 1,000 or having Awarded W.O. value not less than ₹8 Lakh.  Project Experience with Supporting documentary Evidence of the above Experience such as work Order/Contract agreement/Client Citation/Confirmation for work done.		
9	Geo-Fencing based application development having user base not less than 1,000 or having Awarded W.O. value not less than ₹8 Lakh.  Project Experience with Supporting documentary Evidence of the above Experience such as work Order/Contract agreement/Client Citation/Confirmation for work done.		
10	GIS integrated application development having user base not less than 1,000 or having Awarded W.O. value not less than ₹8		



	Lakh.  Project Experience with Supporting documentary Evidence of the above Experience such as work Order/Contract agreement/Client Citation/Confirmation for work done.		
11	Bidder must have prior experience in MIS/Dashboard/Web Portal development.  Project Experience with Supporting documentary Evidence of the above Experience such as work Order/Contract agreement/Client Citation/Confirmation for work done.		



## **Annexure-D**

### **Eligibility Criteria**

The Bidder must possess the requisite experience, strength and capabilities in providing the services necessary to meet the requirements as described in this document. Keeping in view the complexity & volume of the work involved, the following criteria are prescribed as eligibility criteria for Bidder interested in undertaking the project. The Bidder must also possess the technical know-how and the financial stability that would be required to successfully establish/execute this project. The bids must be complete in all respect and should cover the entire scope of work as stipulated in the tender document. The invitation to bid is open to all Bidders who qualify the eligibility criteria as given below:

<b>Sl. No.</b>	<b>Criteria</b>	<b>Mandatory Documents</b>
1	The bidder should be a Trust or company or partnership firm or limited liability partnership firm registered under the relevant Indian Statutes.	Certificate of Incorporation/ Registration as a proof of working in the Software / IT Application development for the last three years should be attached.
2	The bidder should be a profitable organization for three (03) financial years (FY) out of FY <b>2021-22, 2022-23 &amp; 2023-24</b> i.e. the Minimum Average Annual Turnover (MAAT) requirement of the bidder (The Average of last Three Financial Years preceding to the year of IFB) as indicated in the following Table- (Fin-1) shall not be less than Rs. <b>12 Lakhs</b> In case the Bidder is in existence for less than three financial years, the average annual turnover shall be sum of turnover in the completed no of financial years divided by three for the purpose of meeting the above criteria.	To comply this financial QR the bidder must submit copy of audited Annual Accounts including Balance Sheet, Profit & Loss account from a practicing Chartered Accountant (Having UDIN No) for three (03) financial years (FY) out of FY <b>2021-22, 2022-23 &amp; 2023-24</b> .  Information with authorized signature to be submitted as per Table: (FIN - 1).
3	The Bidder shall not be under a declaration of ineligibility for corrupt or fraudulent practices or blacklisted with any of the Government agencies as on bid submission date.	Undertaking in this regard by the authorized signatory of the bidder.
4	The Bidder must have PAN Card, GSTIN.	Valid Scanned Copies of the PAN Card, GSTIN.
5	The bidder should submit power of attorney certifying the authorized signatory	Power of Attorney executed by the Bidder in favor of the duly Authorized Representative, certifying him as an authorized signatory for the purpose of this Tender. Board resolution also to be submitted in favor of Power of Attorney.
6	The Bidder having valid ISO 27001, ISO 9001:2008/ CMMI Level 3/CMMI level 5 certification as on bid submission date will be given preference.	Copy of the valid ISO/CMMI certification



Sl. No.	Criteria	Mandatory Documents
7	The Bidder must have on its roll at least 5 Android Developers and at least 5 Web developers. Developers should have at least 5 years of experience in their respective category.	Relevant proofs of certification should be submitted. Company pay slip and employee ID card should be furnished.
8	Bidder having prior experience in Android based Mobile Application development having user base not less than 1,000 or having Awarded W.O. value not less than ₹8 Lakh.	a. Copy of Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order.
9	Bidder should have prior experience in Geo-Fencing based application development having user base not less than 1,000 or having Awarded W.O. value not less than ₹8 Lakh.	b. Certification on client letterhead/Performance certificate as proof of services to be submitted
10	Bidder should have prior experience in GIS integrated application development having user base not less than 1,000 or having Awarded W.O. value not less than ₹8 Lakh.	c. Submit suitable, verifiable evidence to demonstrate the experience.
11	Bidder must have prior experience in MIS/Dashboard/Web Portal development.	

**Note:**

1. Sub-Contracting is strictly not allowed.
2. In case where audited results for the preceding financial year are not available, certification of financial statements from a practicing Chartered Accountant (Having UDIN No) shall also be considered acceptable.
3. All the documents to be submitted must be self - attested with company seals.



**MINIMUM AVERAGE ANNUAL TURNOVER: (MAAT)**

The Minimum Average Annual Turnover (MAAT) requirement of the bidder (The Average of Best Three Financial Years out of the Last Five Financial Years preceding to the year of IFB) as indicated in the following Table (Fin - 1) shall not be less than **Rs. 12 LAKH** In case the Bidder is in existence for less than three financial years, the average annual turnover shall be sum of turnover in the completed no of financial years divided by three for the purpose of meeting the above criteria. Turnover of the bidding company on standalone basis only (excluding its associate companies on Standalone Basis) shall be considered for arriving at Annual Turnover.

**Table: (FIN - 1)**  
**(MAAT Schedule)**  
(Name of Bidder)

Sl. No	Financial Year	Annual Turnover (excluding associate companies on Standalone Basis) of the Bidder (in INR Lakh)	Best Three Years Annual Turnover (excluding associate companies on Standalone Basis) of the Bidder (in INR Lakh)
1			
2			
3			
4			
5			
A = Total of best 3FY Annual Turnover			
B = (A/3) Average of Annual Turnover for best 3FY			

**Note 1-** "Annual gross revenue from operations/gross operating income as incorporated in the profit & loss account excluding other operative income / other income".

**Note 2:** - In case bidder is a holding company, the Financial Position criteria above shall be that of holding company only (i.e. excluding its subsidiary / group companies). In case bidder is a subsidiary of a holding company, the Financial Position criteria above shall be that of subsidiary company only (i.e. excluding its holding company).



## Evaluation Methodology:

### Guidelines to Bidders

- i. Alternate/Multiple bids are not allowed
- ii. The evaluation team will thoroughly review the proposals submitted by various bidders. The broad evaluation will be based as following:-
  - a. Technical Evaluation : 60% Weight
  - b. Financial Evaluation: 40% Weight
- iii. OPTCL, in observance of best practices, shall:
  - a. Maintain the bid evaluation process strictly confidential
  - b. Reject any attempts or pressures to distort the outcome of the evaluation, including fraud and corruption
  - c. Strictly apply only and all of the evaluation and qualification criteria specified in the Bid document.
- iv. Financial requirement/ certification of the primary bidder will be considered and financials of parent company / holding company / Partner Company etc. will not be considered. Consolidated financial statements of the bidders will also not be considered.
- v. If any project / contract involve multiple subsidiaries, it will be treated as only one credential / experience.
- vi. Credentials of the holding/parent/subsidiary companies shall not be considered.
- vii. Cut-off date for calculating number of years shall be the date of bid submission
- viii. The Purchaser will have the right to independently contact and verify the accuracy of credentials with Bidder's end-client. Bidder will have to provide necessary details as per the requirement of the Purchaser.
- ix. Bidders are required to fill and submit "Technical Bid "along with all the supporting documentary proof with page reference number of the document submitted. Only those pages will be considered for evaluation.
- x. Bidders are requested to submit all the documentary evidence in support of the qualification criteria and evaluation of the bid after thorough analysis of the tender document and requirement of the criteria mentioned in the tender. It may be noted that no further clarification shall be sought from bidders after opening of the techno-commercial bid.

### "Single Stage" Bidding Procedure

In the Single-Stage bidding procedure, Bidders should submit the Technical bid and the Price bid. Both the proposals shall be opened consequently at the date and time as advised in the Bidding Document. The Technical Proposals shall be evaluated by the Purchaser followed by Price Bid evaluation. No amendments or changes to the Technical Proposals are permitted.

Bids of Bidders which do not conform to the mandatory requirements may be termed as non-responsive and will not be evaluated further.

Evaluation of price bids will be on the basis of the FOR DESTINATION PRICE including Goods and Services Tax & other levies as may be applicable. The FORD PRICE shall consist of the following components:

- a. Taxable value of service offered. (At the discretion of the purchaser)
- b. Goods and Services Tax
- c. Other levies, if any.
- d. Any other items, as deemed proper for evaluation by the purchaser.
- e. Any imposition of new tax or revision of tax shall be considered between due date of submission of bids and the date of price bid opening.

In comparing bids and in making awards, the Purchaser will consider other factors such as compliance with Scope of the Work, minimum qualification criteria, outright rejection clause of this tender,



experience, financial soundness, record of integrity in dealings, performance, the time of delivery, capability to perform including available facilities such as adequate manpower & expertise.

**Criteria for Outright Rejection:**

- a. Non-submission of Power of Attorney (Authorized Signatory) notarized copy for signing the bid document in hard copy.
- b. Non-submission of undertaking that the bidder(s) meeting the minimum eligibility criteria of the tender.

**Technical Evaluation**

The Technical evaluation will be based on the following Technical Evaluation Parameters

Sl. No	Criteria	Description	Maximum Marks	Marks Distribution	Supporting Document Required
1	<b>Organization's Financial Strength</b>	The Minimum Average Annual Turnover (MAAT) requirement of the bidder (The Average of Best Three Financial Years out of the Last Five Financial Years preceding to the year of IFB) as indicated in the following Table- (Fin-1) shall not be less than Rs. <b>12 Lakhs.</b>	<b>10</b>	The Minimum Average Annual Turnover (MAAT) of the Bidder along with positive net worth in each of year shall be considered. MAAT above INR 12 Lakhs and up to INR 15 Lakhs : <b>6 Marks</b> MAAT above INR 15 Lakhs and up to INR 18 Lakhs : <b>8 Marks</b> MAAT above INR 18 Lakhs : <b>10 Marks</b>	Copy of the audited annual accounts of the company showing turnover of the company for the last Three financial years supported by Chartered Accountant certificate for Net-worth and turnover (MAAT) clearly mentioning the turnover.
2	<b>Valid Certification (ISO 27001,ISO 9001:2008/ CMMI Level 3/CMMI Level 5 etc...)</b>	Bidders having valid ISO/CMMI certification	<b>10</b>	5 marks for each Certificate and maximum total marks for this category will be 10.	Relevant proofs should be submitted.
3	<b>Android Application Development Experience</b>	Bidder should have prior experience in android application development having user base not less than 1,000 or having Awarded W.O. value not less than ₹8Lakh.	<b>15</b>	(User base >= 1000 OR W.O. Value >= ₹8 Lakh)  5 marks for each such application developed and maximum total marks for this category will be 15.	a. Copy of Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. b. Certification on client



Sl. No	Criteria	Description	Maximum Marks	Marks Distribution	Supporting Document Required
4	<b>Geo-Fencing based application Development Experience.</b>	Bidder should have prior experience in Geo-fencing enabled application development having user base not less than 1,000 or having Awarded W.O. value not less than ₹8 Lakh.	15	(User base $\geq$ 1000 OR W.O. Value $\geq$ ₹8 Lakh)  5 marks for each such application developed and maximum total marks for this category will be 15.	letterhead/Performance certificate as proof of services to be submitted c. Submit suitable, verifiable evidence to demonstrate the experience.
5	<b>GIS integrated application development experience.</b>	Bidder should have prior experience application development with GIS integration having user base not less than 1,000 or having Awarded W.O. value not less than ₹8 Lakh.	15	(User base $\geq$ 1000 OR W.O. Value $\geq$ ₹8 Lakh)  5 marks for each such application developed and maximum total marks for this category will be 15.	
6	<b>MIS/Dashboard/Web Portal development</b>	Bidder must have prior experience in MIS/Dashboard/Web Portal development.	15	5 marks for each such application and maximum total marks for this category will be 15.	
7	<b>Availability of Android/Web Developers</b>	The Bidder must have on its roll at least 5 Android Developers and at least 5 Web developers. Developers should have at least 5 years of experience in their respective category.	20	2 marks for each Android Developer and maximum total marks for this category will be 20.	

**Financial Evaluation**

1. To evaluate a Techno-Commercial Proposal, the Purchaser shall only use all the criteria and methodologies defined above and any other approach specified in the bid document.
2. To evaluate a Price Bid, the Purchaser shall consider the following:
  - a. Bid Price quoted in Price Bid Submission Sheet i.e. inclusive of all duties, levies and taxes.
  - b. Price adjustment for correction of arithmetic errors in accordance with ITB Clause.



### **Comparison of Bids**

The commercial scores will be calculated as:

$$F_n = F_{min} / F_b * 100$$

Where:

( $F_n$  = Normalized financial score of the bidder under consideration

$F_b$  = Evaluated cost for the bidder under consideration

$F_{min}$  = Minimum evaluated cost for any bidder

### **Evaluation of Bid – Final Evaluation**

The overall score will be calculated as follows:

$$\text{Final Score} = 0.60 * T_n + 0.40 * F_n$$

Where:

$T_n$  = Technical score for the bidder under consideration

$F_n$  = Normalized financial score of the bidder under consideration

Note:

- 1) Maximum possible Final Score can be 100. Final Score will be rounded-off to nearest two decimals. For example, 92.326 will be rounded-off to 92.33; 87.584 will be rounded-off to 87.58; 85.665 will be rounded-off to 85.67
- 2) The Bid having highest final score will be termed as highest evaluated bid.
- 3) The Contract shall be awarded to the Bidder with highest Final Score as computed above. In case of a tie between two bids, the Bid with higher Technical Score shall be considered for award of the Contract



## Annexure -E

### Broad Scope of Work

#### Overview

OPTCL intends to develop one Geo-Fencing enabled Android Based Mobile Application integrated with the existing GIS application for recording the abnormalities found in the drone survey/walk over line patrolling and monitoring the corrective action against the abnormalities. Currently OPTCL has its own GIS application having Geo-Information of all its Assets like Line, Tower, Substation and Transformer etc. Also OPTCL is in the Process of Implementation SAP S4/HANA ERP solutions including the Plant Maintenance (PM) & Linear Asset Management (LAM) Module. Again, OPTCL is conducting Drone Based Transmission Corridor Monitoring for all its critical and inaccessible Assets.

In this phase of development (i.e. Phase-I) of the Android Application, It is required to develop the Android Application integrating with the existing GIS application of OPTCL and in its subsequent phase (phase-II) it should be integrated with the SAP-ERP solutions.

OPTCL's GIS application is developed using the following Open Source Technologies

- NodeJS (14.18.1)
- PostgreSQL (13.4)
- Geo Server (2.20)

It is proposed to use the GIS application & Database as the baseline to develop the Android Application.

Only Authorised user (Engaged Line Patrolling Personnel or OPTCL Employee) can login into the Android application and update the Patrolling Information of the Tower/Line/Circuits of his/her assigned jurisdiction (or the asset list). Based on the Authorisation provided to the user, he/she can work on different available modules of the applications.

The App is enabled with Geo-Fencing features, i.e., once patrol person goes inside the buffer zone as prescribed by OPTCL during the patrolling, respective Assets will be enabled to enter the Patrolling Information.

- ✓ The App can work in offline mode, so the patrolling can be done even though internet and mobile network is not available.
- ✓ The App will automatically assign the list of assets to the patrol person, based on the rules set by the line In-charge/OPTCL management. Also the Line In-charge may assign any users working under him/her to patrol any assets under his/her jurisdiction on-demand basis.

The patrol person has to enter the patrolling information in the android application along with the images/videos to substantiate the raised abnormalities. Required corrective measures to be taken may also be entered during initial survey with level of severity. Images with timestamp of such incidents shall be recorded for analysis.



Once the abnormality information is submitted by the patrol person, same will flow to the Line in-charge for verification. The Line in-charge will create and assign necessary tasks to concerned user for rectification, depending upon the criticality of the abnormality. If any major discrepancy is there, line-in charge will escalate the same to the higher authorities through the App. For activities like vegetation clearance under tower foundations, consolidated action can be initiated through contractual labour engagements.

The assigned user needs to visit the location of the asset and rectify the abnormalities within the time frame. Once it is rectified, the assigned user needs to close the task with comments along with images/videos as a proof of resolution. This further will go to the Line In-charge for verification and final close. If the task is not completed within the time frame, it will be escalated by the app to the appropriate level of escalation matrix. During the patrolling, if any geo-coordinate mismatch is found, provision should be there to correct the geo-coordinates with proper approval and same should be reflected in GIS master database.

The application will track the number of times the assets has been patrolled by the Patrol person and how promptly he/she is taking the actions. Dashboard will be there showing day-to-day survey of OPTCL assets.

In the case of critical and special job, same should be prepared with case study for future reference.

The application has to cater all the below mentioned functionalities.

#### A) Phase-I

- 1) Authentication & Authorisation
- 2) Master Data Management
- 3) Notification / Suggestion
- 4) GIS Application Integration
- 5) Auto Scheduling
- 6) Google Map Integration
- 7) Geo-Fencing & Exceptions
- 8) Offline-Mode of Operation
- 9) Travel Path Management
- 10) Asset Updation
- 11) Fault (Abnormality) Identification & Recording
- 12) Fault (Abnormality) Resolution (with pre and post action taken images)
- 13) Report & Dashboard
- 14) Special Case History/Study
- 15) Supporting Data Inclusion