



REC Power Distribution Company Limited

## Notice Inviting Tender

(Tender invited through e-Tendering mode only)

(Limited to agencies as per list enclosed in Annexure C)

**For**

## Data Creation for GIS Implementation at Goa Electricity Department

**No. RECPDCL/HR/GIS-GED/e-Tender/2014/1698      Dated: 18.12.2014**

**REC Power Distribution Company Limited**

(A wholly owned subsidiary of REC, a 'Navratna CPSE'

Under the Ministry of Power, Govt of India)

**Corporate office**

1016-1023, Devika Tower, Nehru Place,

New Delhi-110019

Telefax : 011-44128768

Website : [www.recpdcl.in](http://www.recpdcl.in)

Description of task, Pre-qualifying criteria, e-tender submission format and procedure is provided in the NIT document available on RECPDCL website ([www.recpdcl.in](http://www.recpdcl.in)), REC website ([www.recindia.com](http://www.recindia.com)), e-tendering website ([www.tenderwizard.com/REC](http://www.tenderwizard.com/REC))

<b>Important Dates for E- Tendering mode</b>	
Date of Release of NIT	<b>18.12.2014</b>
Last date for queries / seeking clarification	<b>23.12.2014 at 18:00 Hours</b>
Pre Bid Meeting	<b>24.12.2014 at 11:00 Hours</b>
Last date of submission of Tender	<b>29.12.2014 at 15:00 Hours</b>
Date of Opening of Technical Bid	<b>29.12.2014 at 16:00 Hours</b>
Date of Opening of Financial Bid	<b>To be intimated later</b>

**Note:**

Online registration shall be done on e-tendering website i.e. [www.tenderwizard.com/REC](http://www.tenderwizard.com/REC) & in general, activation of registration may takes 24 hours subject to the submission of all requisite documents required in the process.

**-Sd-**

**(S.C. Garg)  
Addl. C.E. O.**



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[This document is meant for the exclusive purpose of Agencies against this bid and shall not be transferred, reproduced or otherwise used for purposes other than that for which it is specifically issued]

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**SECTION-I**  
**TENDER INFORMATION**

Name of the assignment:

**Data Creation for GIS Implementation at Goa Electricity Department**

**Important information**

S. No.	Event	Information to the agencies		
1	Date of Release of NIT	<b>18.12.2014</b>		
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6	Date of Opening of Financial Bid	<b>To be intimated later</b>		
7	Pre- Bid Meeting Address	REC Power Distribution Company Limited, 1016-1023, 10 <sup>th</sup> Floor, Devika Tower, Nehru Place, New Delhi- 110019, India Telefax : 011-4128768,44128760/67		
8	Tender Document	The details can be downloaded free of cost from the websites <a href="http://www.recpdcl.in">www.recpdcl.in</a> (or) <a href="http://www.recindia.com">www.recindia.com</a> (or) <a href="http://www.tenderwizard.com/REC">www.tenderwizard.com/REC</a>		
9	EMD #	<b>Rs. 2,50,000/-</b>		
10	Address for Bid /EMD/PBG Submission	<b>Shri. Subhash Chandra Garg,</b> Addl. C. E. O. REC Power Distribution Company Limited, 1016-1023, 10 <sup>th</sup> Floor, Devika Tower, Nehru Place New Delhi- 110019, India. Telefax : 011-4128768,44128760/67 Email- <a href="mailto:recpdcl@rediffmail.com">recpdcl@rediffmail.com</a>		
11	Contact Person	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>Shri. Ajay Kumar ,</b> Chief Technical Officer REC Power Distribution Company Limited (RECPDCL) Phone:011-44128767; Fax:011-44128768 Email- <a href="mailto:recpdcl@rediffmail.com">recpdcl@rediffmail.com</a> </td> <td style="width: 50%; vertical-align: top;"> <b>Shri. Sunil Bisht ,</b> Assistant Manager (Technical) REC Power Distribution Company Limited (RECPDCL) Phone:011-44128760; Fax:011-44128768 <a href="mailto:recpdcl@rediffmail.com">recpdcl@rediffmail.com</a> </td> </tr> </table>	<b>Shri. Ajay Kumar ,</b> Chief Technical Officer REC Power Distribution Company Limited (RECPDCL) Phone:011-44128767; Fax:011-44128768 Email- <a href="mailto:recpdcl@rediffmail.com">recpdcl@rediffmail.com</a>	<b>Shri. Sunil Bisht ,</b> Assistant Manager (Technical) REC Power Distribution Company Limited (RECPDCL) Phone:011-44128760; Fax:011-44128768 <a href="mailto:recpdcl@rediffmail.com">recpdcl@rediffmail.com</a>
<b>Shri. Ajay Kumar ,</b> Chief Technical Officer REC Power Distribution Company Limited (RECPDCL) Phone:011-44128767; Fax:011-44128768 Email- <a href="mailto:recpdcl@rediffmail.com">recpdcl@rediffmail.com</a>	<b>Shri. Sunil Bisht ,</b> Assistant Manager (Technical) REC Power Distribution Company Limited (RECPDCL) Phone:011-44128760; Fax:011-44128768 <a href="mailto:recpdcl@rediffmail.com">recpdcl@rediffmail.com</a>			

# The EMD (Earliest Money Deposit) is to be submitted by all the participating bidders in the form of demand draft or Bank Guarantee of an amount of Rs 2,50,000/- (Rupees Two Lakhs Fifty Thousand only/-) of any schedule commercial bank in favour of REC Power Distribution Company Limited, Payable at New Delhi .The EMD of unsuccessful bidder will be returned within 90 days from the award of contract and EMD of successful bidder will also be returned after acceptance of



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work order and submission of PBG (Performance Bank Guarantee) i.e. 10% of the Contract Value.

- The bid shall remain valid for a period of 90 days from the last date of bid opening.

### **SECTION-II**

### **PREFACE**

Goa Electricity Department (GED) has recently awarded IT Implementation Works under Part-A of R-APDRP Scheme to M/s REC Power Distribution Company Limited (RECPDCL) with Tata Power Delhi Distribution Limited as its Technology Partner.

The Scope of Services includes Preparation of Base-line Data System for the project area covering Consumer Indexing, GIS Mapping, Automatic Metering (AMR) on Distribution Transformers and Feeders, and Automatic Data Logging for all Distribution Transformers & Feeders and SCADA / DMS system for big cities only. It would include Asset Mapping of the entire distribution network at and below the 11kV transformers and include the Distribution Transformers and Feeders, Low Tension lines, poles and other distribution network equipment. It will also include adoption of IT applications for meter reading, billing & collection; energy accounting & auditing; MIS; redressal of consumer grievances and establishment of IT enabled consumer service centers etc.

The Programme is proposed to be implemented on all India basis covering Towns and Cities with a population of more than 30,000 (10,000 in case of Special Category States) as per population data of 2001 Census. In addition, in certain high-load density rural areas with significant loads, works of separation of agricultural feeders from domestic and industrial ones, and of High Voltage Distribution System (11kV) will also be taken up and accordingly four towns have been identified to be covered under the scheme as per the details mentioned in Table 1.

Goa, a tiny emerald land on the west coast of India, the 25th State in the Union of States of India, was liberated from Portuguese rule in 1961. It was part of Union territory of Goa, Daman & Diu till 30 May 1987 when it was carved out to form a separate State. Goa is India's smallest state in terms of area and the fourth smallest in terms of population. Located on the west coast of India in the region known as the Konkan, it is bounded by the state of Maharashtra to the north and by Karnataka to the east and south, while the Arabian Sea forms its western coast.

Panaji (also referred to as Panjim) is the state's capital. Vasco da Gama is the largest city. The historic city of Margao still exhibits the influence of Portuguese culture.

Renowned for its beaches, places of worship and world heritage architecture, Goa is visited by hundreds of thousands of international and domestic tourists each year. It also has rich flora and fauna, owing to its location on the Western Ghats range, which is classified as a biodiversity hotspot.

Goa covers an area of 3702 square kilometers and comprises two Revenue district viz North Goa and South Goa. Boundaries of Goa State are defined in the North Terekhol River which separates it from Maharashtra, in the East and South by Karnataka State and West by Arabian Sea. Goa lies in Western Coast of India and is 594 Kms (by road) away from Mumbai city.

Goa, for the purpose of revenue administration is divided into district viz. North and South Goa with headquarters at Panaji and Margao respectively. The entire State comprises 11 talukas. For the purpose of implementation of development programmes the State is divided into 12 community development blocks. As per 2001 census, the population of the State is



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13,42,998. A very striking feature of Goa is the harmonious relationship among various religious communities, who have lived together peacefully for generations. Though a late entrant to the planning process, Goa has emerged as one of the most developed States in India and even achieved the ranking of one of the best states in India with regards to investment environment and infrastructure.

This NIT is being floated to appoint agencies for carrying out data creation activities for GIS implementation of 4 Towns of GED. The activities for agencies are described in the detailed scope of work. The basis statistics of GED is given below:

Name of Town	Area in Sq. km	Power Distribution Network Length	No. of Consumers	No. of Transformers
Panjim	506	14220 km	5.16 Lacs	5000
Margao	1391			
Mapusa	1239			
Marmagao	109			

**Table: 1**

# Above mentioned data is only for reference and may vary in actual.



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## **SECTION-III**

### **Instructions to Agencies**

#### **3.1 Submission of Bid**

Agency shall submit their responses online through e-tendering website [www.tenderwizard.com/REC](http://www.tenderwizard.com/REC)

##### **A. The submission and opening of Bids will be through e-tendering process.**

Agency can download Bid document from the RECPDCL web site i.e. <http://www.recpdcl.in> or [portal.recpdcl.in](http://portal.recpdcl.in) or [www.recindia.com](http://www.recindia.com) or [eprocure.gov.in](http://eprocure.gov.in) and e-tendering regd. link is given in RECPDCL website i.e. [www.tenderwizard.com/REC](http://www.tenderwizard.com/REC)

*(Note: To participate in the e-Bid submission, it is mandatory for agency to have user ID & Password. For this purpose, the agency has to register them self with REC PDCL through tender Wizard Website given below. Please also note that the agency has to obtain digital signature token for applying in the Bid. In this connection vendor may also obtain the same from tender Wizard.)*

##### **Steps for Registration**

- (i) Go to website <http://www.tenderwizard.com/REC>
- (ii) Click the link 'Register Me'
- (iii) Enter the details about the E-tendering as per format
- (iv) Click 'Create Profile'
- (v) E-tender will get confirmation with Login ID and Password

**Note-** Online registration shall be done on e-tendering website i.e. [www.tenderwizard.com/REC](http://www.tenderwizard.com/REC) & in general, activation of registration may takes 24 hours subject to the submission of all requisite documents required in the process. It is sole responsibility of the bidder to register in advance.

##### **B. Steps for application for Digital Signature from Bid Wizard:**

Download the Application Form from the website <http://www.tenderwizard.com/REC> free of cost. Follow the instructions as provided therein. In case of any assistance you may contact RECPDCL officers whose address is given at the Bid.

Bid to be submitted through online mode on website [www.tenderwizard.com/REC](http://www.tenderwizard.com/REC) in the prescribed form.

##### **C. The Agency qualifying the criteria mention in section VI should upload Bid document with duly signed scanned soft copy of the documents given below for the prequalifying response:**

##### **(Pre- Qualifying Criterion Documents/Technical Bid)**

##### **Technical Bid**

1. Form-I ----- Letter of submission of Tender.
2. Form-II ----- Pre-qualifying criteria details.
3. EMD of Rs. 2,50,000/- in form of DD or Bank Guarantee may be drawn from a scheduled commercial bank in favour of The "REC Power Distribution Company Ltd", New Delhi and scanned copy to be uploaded and original to be submitted before the last date & time of Submission of Tender.
4. Documents required in supporting of pre-qualification criteria details.
5. Performance Bank Guarantee as applicable details mentioned in clause 11.a in this tender, in form of DD or Bank Guarantee may be drawn from a scheduled commercial bank in favour of The "REC Power Distribution Company Ltd", New Delhi and scanned copy to be uploaded and original to be submitted before the last date & time of Submission of Tender .



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### **Financial Bid**

6. Form-III-----Financial Proposal.

Financial bid to be submitted in the specific format designed same may be downloaded from website [www.tenderwizard.com/REC](http://www.tenderwizard.com/REC) and after filling the form it is to be uploaded through digital signature.

The all document should be addressed to.

**Addl. Chief Executive Officer**, REC Power Distribution Company Ltd.

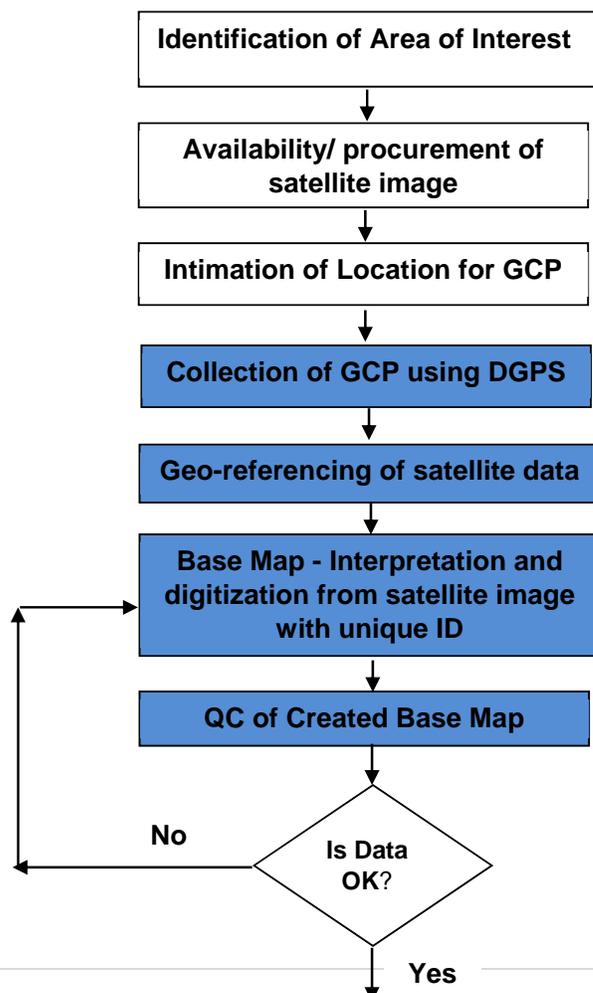
1016-1023, 10th Floor, Devika Tower, Nehru Place, New Delhi - 110019

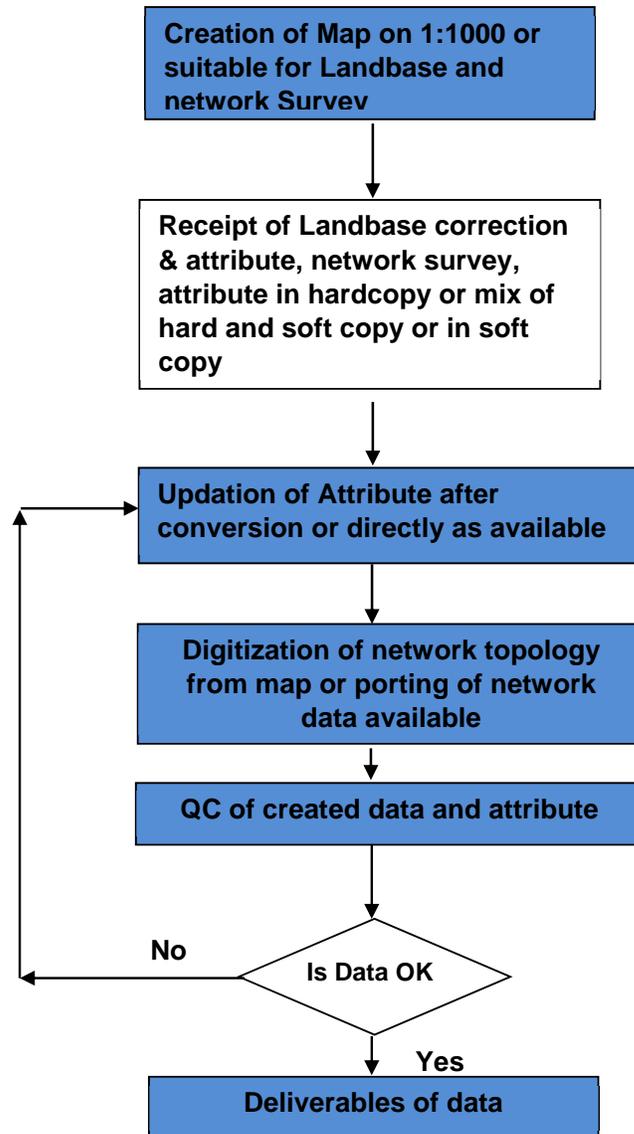
*(Note: All papers that comprise the Bid document of the concerned Bid must be numbered. An index of each page should also be provided)*

## **SECTION-IV SCOPE OF WORK & SERVICE LEVEL AGREEMENT**

### **1. DETAILED SCOPE OF WORK**

The preliminary flow chart for data creation is given below. The tasks allocated with blue highlighted box shall be executed by the bidder.





### 1.1 Collection of GCP

- a) RECPDCL/TPDDL shall identify the location for which GCP is to be collected along with Agencies.
- b) Agencies shall arrange the Differential GPS equipment for collection of GCP as per standard guidelines. Two GPS receivers are used to measure a GPS baseline distance. The line between a pair of GPS receivers from which simultaneous GPS data have been collected and processed is a vector referred to as a baseline. The station coordinate differences are calculated in terms of 3D, earth centered coordinate system that utilizes X-, Y-, and Z-values based on the WGS 84 geocentric ellipsoid model. These coordinate differences are then subsequently shifted to fit the local project coordinate system. In this survey base station would be established at a known point and the clearly distinguished points will be identified and they will be



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captured using the rover. These points would be chosen such that it is spread all over the AOI. These points will be clearly identified points on the ground such as road-rail intersections, water bodies, important landmark etc. The positional accuracy of GCP shall be in range of sub meter.

- c) Agencies shall deploy the team for capturing of GCP of identified location

**1.2 Base map Creation**

- a) After collection of GCP, the same would be used for geo-referencing of the satellite imagery.
- b) Satellite imagery shall be provided by RECPDCL/TPDDL.
- c) Agencies shall arrange the ERDAS Imagine using “2<sup>nd</sup> order polynomial” projection system. The data will be projected to the required projection system.
- d) Agencies shall interpret and digitize from the rectified satellite data. Following layers but not limited to the following shall be created. The below list is only tentative for reference.

Sr. No.	Feature Type	Layers	Remarks
1	Transport Network	1. Rail 2. Rail Bridge 3. Major Road 4. Road Centre line 5. Minor Road (Lane) 6. Medians / Dividers 7. Road Medians / Dividers 8. Fly-overs / Level crossings 9. Bridges 10. Traffic islands 11. Footpaths 12. Air strips 13. Airways terminal connecting roads	Width>3m  Width<3m
2	Hydrology	1. Double Line river 2. Streams (single line river) 3. Canal 4. Drains 5. Culverts 6. Irrigation structure 7. Embankments 8. Lakes 9. Ponds 10. Reservoir 11. Islands 12. Wells 13. Dams / Structures	
3	Buildings	1. Unclassified Buildings 2. Industrial Buildings 3. Public buildings 4. Religious places 5. Historic places 6. Railway stations 7. Bus stand 8. Buildings in airports 9. Stadiums 10. Golf course	



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Sr. No.	Feature Type	Layers	Remarks
		11. Play ground 12. Overhead tanks 13. Slum areas	
4	Land-use	1. Open space 2. Rocky areas 3. Park 4. Cluster of trees 5. Cemetery / cremation grounds	
5	Administration	1. Zones 2. Wards	Data to be captured by referring to the ancillary data
6	Other Utility	1. Transmission towers 2. Communication tower	
7	Others	Other features identified such as building fence, compound wall, parking etc.	

- e) The feature shall be created using Auto CAD / Arc-GIS map software. Agencies shall arrange all software for creation of any data. Agencies may get the vectorized map and same need to be superimposed with imagery and correction shall be done if required too.
- f) Agencies shall also carry out the QC of created data before delivery using various QC tools and visual inspection.
- g) Quality checks shall be performed but not limited to for the following
  - I. Missing features
  - II. Features shapes
  - III. Feature classification
  - IV. Matching of vector with raster etc.
- h) The map shall be cleaned for mapping errors such as
  - I. Dangles
  - II. Overshoots
  - III. Snap
  - IV. Pseudo nodes etc.
- i) Topology shall be built as per the feature type. For the tentative layers as mentioned above, it shall be as per the following:

Sr. No.	Feature Type	Topology Type
1	Transport	Line
2	Hydrology	Polygon / Line / Point
3	Buildings	Polygon
4	Land use	Polygon
5	Administration	Polygon
6	Utility	Points
7	Others	Point / Line / Polygon



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- j) The data shall be delivered in .dwg and .shp format to RECPDCL/TPDDL to carry out the Quality Assurance of delivered data in Auto CAD or Arc GIS. In case of QC is not up to mark, then same shall be given back to Agencies.
- k) Agencies shall prepare the map with different scale of the map for further action.

### **1.3 Digitization/ Conversion of Network data and uploading of attributes:**

- a) As per process flow, RECPDCL shall arrange the attribute capturing of landbase, landbase correction and capturing of network data of various electrical layers and its attribute through separate source
- b) Soft or Hard copy of the data shall be provided with unique id for further uploading of data.
- c) Agencies shall convert all hard copy data to vector data for complete electrical network and landbase and further for uploading of attributes.
- d) Agencies shall use Arc GIS software for creation of network data and uploading of attribute data. All software shall be arranged by Agencies.
- e) Accuracy of digitized data is of prime importance and shall be focused while creation of same. This shall maintain the sub meter accuracy.
- f) Bidder shall make a provision to deliver the data through network/ secured sharing path. Bidder shall make the provision to station 1-2 persons from RECPDCL/TPDDL to monitor the progress of activities on daily basis.

### **1.4 Maintenance of Created Data:**

- a) Agencies shall maintain the complete details and list of delivered data and erroneous data for correction.
- b) Agencies shall maintain the separate final data repository with all annexures.
- c) Data shall be treated confidential and bidder does not have right to keep the copy/share data to any other party.
- d) Agencies shall maintain the back- up of all data. In case of loss of any data, Agencies shall create the same again without any commercial.
- e) RECPDCL/TPDDL reserve the right of ownership of data and Agencies shall work as only custodian. In no circumstances, Agencies can claim of any data.
- f) Agencies do not have any right to share any data to any other persons/party/ company without prior permission of RECPDCL/TPDDL.
- g) Agencies shall pass data to only authorised person of RECPDCL/TPDDL.
- h) Agencies do not have any right to keep even copy of the delivered data.



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### 2. Resource Deployment

#### 2.1 Resource Identification

Skilled and experienced team of digitizers shall be deployed for activities as mentioned above. The data shall be created in 2 stages

- i. Pilot Area (250 Sqkm approx. subject to change)
- ii. Balance Area

The resources required for different tasks but not limited to the same. The financial evaluation shall be done in accordance resources deployed per month. However, estimated requirement of resources for completion of project is mentioned below:

S. No	Type of Resource	No
1	Digitisers for Base map- Interpretation and Digitization from Satellite imagery	5
2	Quality Controller of Base Map and Network	4
3	Digitisers for Attribute updation	2
4	Digitisers for Network creation and its attribute updation	10
5	Surveyor for GCP using DGPS	4

#### Note:

- a) No. of resources mentioned above are estimated for completion of complete project. It is not necessary that resources shall be required from 1st day of project. Availability of resources shall be available with Agencies but deployment needs to be decided mutually with no. of resources.
- b) Minimum 1 year experience of surveyor in GCP collection and well conversant with operation of DGPS.
- c) Minimum 2 year experience for Digitizers on Auto CAD& Arc GIS platform for creation of base map from satellite imagery.
- d) Minimum 3 years' experience is required for QC person and well conversant with QC tools of Auto CAD/Arc GIS.
- e) Agencies shall deploy the manpower at their premises with necessary infrastructure i.e. High speed computer, necessary software, connectivity etc.
- f) Deployed resources shall be shortlisted mutually between Agencies and RECPDCL/TPDDL.
- g) As per project requirement, it is required to reshuffle the person(s) to other type of work and has to deliver as per timelines. However, resources at any point of time cannot be shared/ take up the task of any other party.
- h) Resource shall be calculated for minimum period of one month.



### 3. SERVICE LEVEL AGREEMENT

The SLA covers the following services:

- a. This Service Level agreement is governed by the scope of work for providing the delivery of data.
- b. This scope of work is mentioned in the RFP but not limited to the same. It is important to provide the delivery which can be migrated to GIS platform.
- c. The deployment of resources shall be decided mutually and delivery shall be evaluated as per deployed resources. In case more resources are required to be deployed, such resources shall be completed within 7 days after mutual agreement. Removal of resources can be decided with one month notice.
- d. It is required that vendor has well established office in Delhi/NCR so that data creation activities shall be carried out at Delhi/NCR only except for collection of GCP. Also, bidders are requested to include visit of 3 mandays per month to Goa (excluding travelling days) as per the requirements of the project. For mandays required beyond three man days at Goa, the agency may quote separate manday rate inclusive of lodging and boarding. Agency to include one air travel per month as part of their costing, beyond which RECPDCL/TPDDL shall reimburse Air ticket cost against a documentary proof.
- e. The timelines given below are the minimum output expected for further calculation of the delivery by each resource. This shall be calculated on calendar month basis.
- f. All commercials shall be calculated based on total No. of resources. However, payment to the Agencies shall be paid as per resources deployed and delivery provided as per timelines.
- g. In case data is rejected and corrected delivery has to be made. Such correction shall not be considered for delivery output calculation as mentioned above. It is highly important to keep stringent mechanism so that chances of rejection could be eliminated.
- h. Activities shall be performed for 6 days in a week.

#### 3.1 Timelines for delivery of Data Creation/Updation activities

S. No.	Description	Timelines (in Mandays)
1.	Survey of GCP by one team (2 resource)	10 GCP per day per person
2.	Interpretation and digitization from satellite imagery by one digitizer for dense area	2 sq.km. per day
3.	Interpretation and digitization from satellite imagery by one digitizer for sparse area	6 sq.km. per day
4.	Updation of attributes by one digitizers	5 sq.km. per day
5.	Digitization of feeder/ DT network includes all objects along with updation of attribute and running QC tool for topology as well as correction for delivery by one digitizers	2.5 Km per day
6.	Updation of network from PDA along with along with updation of attribute and running QC tool for topology as well as correction for delivery	6 km. per day
7.	Creation of Map on 1:1000	5 sq.km. per day
8.	Conversion of hardcopy data to soft for updation of consumers along with connectivity details	300 consumers per day



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### 4. PAYMENT CRITERIA

#### 4.1 The payment shall be calculated as per below table:

S. No.	Type of Resource	No. of Resource deployed	Expected Output as per timelines mentioned in 3.1 (A)	Actual output(B)	% Gap* (A-B)/A
1	Activity 1 of 3.1				
2	Activity 2 of 3.1				
3	--				
4	--				
5	Activity 8 of 3.1				
<b>Total</b>					

**\*In case B is more than A, It should be treated equal to A only**

On deriving marks for each type of resource based on the above mentioned methodology, avg. of % Gap shall be extracted and payment shall be made as per following:

S.No.	Range of %gap	% Pay
1	0-5%	100
2	6-10%	90
3	11-15%	80
4	16-20%	60
5	21% and above	30

% gap obtained is 10% which fit into the range of 6-10%. Accordingly, 95% of the invoice amount shall be payable.

Invoice shall be raised on monthly basis and payment shall be made by calculating average % gap as detailed above based on compliance to SLA. All supporting documents in terms of SLA compliance shall be attached by the vendor along with invoice.



## **SECTION-V**

### **GENERAL CONDITIONS OF TENDER**

#### **Part – 1**

1. The bidder must fulfil the above eligibility criteria/pre-qualifying conditions for evaluation of their bids. Bids of bidders fulfilling the above eligibility/pre-qualifying conditions will only be evaluated by the duly constituted evaluation committee. Bids of the bidders not fulfilling the eligibility/pre-qualifying conditions given above may be summarily rejected. Undertaking for subsequent submission of any of the above documents will not be entertained under any circumstances.
2. RECPDCL reserve the right to verify/confirm all original documentary evidence submitted by the bidder in support of above mentioned clauses of eligibility criteria, failure to produce the same within the period as and when required and notified in writing by RECPDCL shall result in summarily rejection of the bid.
3. Engagement with RECPDCL does not confer any right to the agencies to be invited for participating in any bids, tender etc. floated by RECPDCL. RECPDCL reserves the right to call bids/assign work/associate the agency/agencies in any area as may be deemed fit by RECPDCL depending upon the profile provided by the agencies and requirement of assignment.
4. RECPDCL reserves the right to accept or reject any or all requests for engagement without assigning any reason or to accept in parts and engage more than one agencies at its sole discretion.
5. Acceptance of the application(s) constitutes no form of commitment on the part of RECPDCL. Furthermore, this acceptance of the application confers neither the right nor an expectation on any application to participate in the proposed project.
6. RECPDCL reserve the right to waive off any shortfalls; accept the whole, accept part of or reject any or all responses to the Tender.
7. RECPDCL reserve the right to call for fresh tenders at any stage and /or time as per the present and /or envisaged RECPDCL requirements even if the tender is in evaluation stage.
8. RECPDCL reserve the right to modify, expand, restrict, scrap, re-float the tender without assigning any reason for the same.
9. The responder shall bear all costs associated with the preparation and submission of its response, and RECPDCL will in no case be responsible or liable for these costs, regardless of the conduct or the outcome of the tender process.
10. Consortium and joint venture responses are not allowed, in any case. Also, bidders have to note that no sub-contracting / sub-letting is allowed

#### **11. Performance Security:**

##### **11.a. Performance Bank Guarantee (PBG):**

The performance bank guarantee towards empanelment with RECPDCL should be submitted by bidders in form of Demand Draft(DD)/Bank Guarantee of Rs. 100,000(Rupees one lakh) as per prescribed format as “Annexure-A” issued in favour of REC Power Distribution Company Ltd. And Payable at New Delhi valid for empanelment period and renewed period or such extended period.

**11.b.** However, on award of any assignment, 10% PBG of the respective contract value has to be submitted, which may be adjusted accordingly against already submitted above mentioned PBG



## **REC Power Distribution Company Limited**

in Sr. No. 11.a valid for completion period plus 90 days or such extended period. The performance bank guarantee shall be returned to the agency without any interest upon completion of all items of work as defined in scope of work, submission of final report and acceptance of the same by RECPDCL and in case of any failures/non-performance of the contract the PBG shall be forfeited / encashed.

The Performance Bank Guarantee may be drawn from a scheduled commercial bank in favour of The "REC Power Distribution Company Ltd", New Delhi.

The Performance Bank Guarantee may be discharged/ returned by the RECPDCL after the completion of the contract upon being satisfied for the performance of the obligations of your firm under the contract.

Failing to comply with the above requirement, or failure to enter into contract within 30 days or within such other extended period, as may be decided by the CEO, RECPDCL shall constitute sufficient grounds, among others, if any, for the annulment of the award of the tender.

In the event the firm being unable to provide the services, during the engagement period as per the contract for whatever reason, the Performance Bank Guarantee would be invoked by RECPDCL.

No Bank Charges/ interest shall be payable for the Performance Bank Guarantee.

### **Rates and Prices**

- a Bidders should quote item-wise rates/ prices including all taxes and duties as mentioned in Form-III by explicitly mentioning the breakup of basic prices and applicable taxes.
- b Price quoted by bidder shall be firm for entire contract period.
- c Price quoted shall be firm and any variation in rates, prices or terms during validity of the offer shall lead to forfeiture of the EMD of said bidder.

In case of default in services or denial of services, RECPDCL, at its sole discretion, will be free to avail services of other service providers at your "Risk & Cost".

All other terms and conditions of the GENERAL CONDITIONS OF CONTRACT shall be applicable.



**SECTION-VI**  
**ELIGIBILITY CRITERIA**

**Pre-Qualifying Criteria**

S. No.	Qualification Criteria	Documents Required
1	The bidder must have executed at least two project of Data Creation for GIS implementation in a utility.	Successful Completion Certificates for such projects needs to be submitted in this regard
2	The bidder must have worked on at least one project of capturing, digitization of map from satellite imagery and network for GIS implementation in electric Utility.	Successful Completion Certificates for such projects needs to be submitted in this regard
3	The bidder shall have resources of Auto CAD /Arc GIS/ ERDAS for creation of GIS maps to be deployed in this project	List and CVs of the key full time dedicated resources for the said project as per criteria to be submitted in this regard.
4	The bidder should have office in Delhi NCR	Electricity bill or lease agreement copy etc

RECPDCL reserves the right to counter check any of the supporting documents directly from the respective client for their authenticity.



**REC Power Distribution Company Limited**

## **SECTION-VII**

### **TENDER EVALUATION METHODOLOGY**

#### **OPENING OF BID:**

- A.** Tenders duly filled in, will be received and opened on the date and time indicated in the notice inviting tenders. The tenders will be opened and the bidders or their authorized representative may, if they so desire be present at the time of opening of tenders.
- B.** Technical bid without requisite EMD will summarily be rejected.
- C.** Financial bid of only those bidders will be opened who have submitted requisite EMD and found eligible in the Technical Bid evolution process.
- D.** If due date of receipt of tenders and/or that of opening of tender happens to be a closed holiday(s), the tenders would be received and opened on the next working day but the time of receipt and of opening will remain the same.
- E.** REC PDCL reserves the right to postpone and/or extend the date of receipt/opening of tenders or to withdraw the tender notice, without assigning any reason thereof. In such a case the bidders shall not be entitled to any form of compensation from the Company. the same.

#### **EVALUATION OF BID**

##### **PRE-QUALIFYING CRITERIA**

Evaluation and comparison of bids will be done as per provisions of Pre-qualifying Criteria supporting documents as proof of pre-qualifying criteria at section – VI. RECPDCL reserves the right to verify the site of operation for above activity and list of persons provided as per qualifying criteria and accordingly decide upon meeting the requirement.

The RECPDCL will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the bids are generally in order qualifying to which bids shall be summarily rejected.

##### **PRICE EVALUATION CRITERIA**

The bidders fulfilling the Pre-Qualifying Criteria will be evaluated for price evaluation.

- 1.1 Bidders should quote their rates/prices in Indian Rupees only which shall be inclusive of all applicable taxes, duties, levies, insurance, transportation etc., applicable for entire scope of work as per Price Schedule included to Form - III of this tender document.
- 1.2 Bids shall be evaluated on the basis of the total evaluated value as per the quoted rates for the services mentioned in Scope of Work. The total evaluated price as per the evaluation methodology mentioned as under at Form - III of this tender document and the other details mentioned therein will be the basis for the evaluation purposes and for arriving at inter-se ranking of the various bidders of the tender.
- 1.3 Bid shall be evaluated as per the Total All Inclusive Value for complete tender BoQ Form-III, which shall be filled by the bidder as a Financial Bid.



**REC Power Distribution Company Limited**

**AWARD CRITERIA**

The purchaser will award the contract to the successful bidder whose bid has been determined to be in full conformity to the bid documents and has been determined as the lowest evaluated bid.



REC Power Distribution Company Limited

**FORM-I**

**Letter for Submission of Tender**

To,  
Addl. Chief Executive Officer  
RECPDCL,  
1016-1023, 10th Floor,  
Devika Tower,  
Nehru Place, New Delhi-110019

**Sub.: Engagement of Service Agency**

Sir,

1. With reference to your Tender No. ----- dated ----- for **Data Creation for GIS Implementation at Goa Electricity Department**, I wish to apply for engagement with RECPDCL as **“Data Creation for GIS Implementation at Goa Electricity Department”**

Further, I hereby certify that

**I have read the provisions of the all clauses and confirm** that notwithstanding anything stated elsewhere to the contrary, the stipulation of all clauses of Tender are acceptable to me and I have not taken any deviation to any clause.

2. I further confirm that any deviation to any clause of Tender found anywhere in my Bid, shall stand unconditionally withdrawn, without any cost implication whatsoever to the REC PDCL.
3. Our bid shall remain valid for period of 90 days from the last date of bid submission.

Date:  
Place:  
.....

Signature .....  
Full Name

Designation .....  
Address .....

**Note: In absence of above declaration/certification, the Bid is liable to be rejected and shall not be taken into account for evaluation.**



**Data Creation for GIS Implementation at Goa Electricity Department**

**PRE QUALIFICATION CRITERIA DETAILS**

**1. THE FIRM**

**2. Name** \_\_\_\_\_

**Regd. Address** \_\_\_\_\_

**a) Address of Office at Delhi/NCR** \_\_\_\_\_

**b) Contact Person's**

**i) Name & Design.** \_\_\_\_\_

**ii) Address** \_\_\_\_\_

**iii) Tel No. Landline** \_\_\_\_\_ **Mobile** \_\_\_\_\_

**iv) Email ID** \_\_\_\_\_

**3. Type of Firm:** Private Ltd./ Public Ltd./ Cooperative/  
(Please tick) Partnership/ Proprietor

**4. PAN** \_\_\_\_\_

**5. Service Tax Reg. No.:**

**6. E.M.D. Details** Rs.\_  
DD No.\_  
Name & Address of Bank

**Please upload duly signed copies by authorized signatory of documentary evidence e.g. work order, corresponding satisfactory job completion certificates from clients with amount of work order in support of above and any other document indicated in prequalifying criteria)**

**Signature.....**  
**Full Name.....**  
**Designation.....**  
**Address.....**



REC Power Distribution Company Limited

Form-III

**Financial Bid (To be submitted through online mode online)**  
**PROFORMA OF SCHEDULE OF RATES**

Bidder Name:

(Weightage points for weight Slabs)

S. No	Type of Resource	No (A)	Max. no. of Months (B)	Rate per Month (C)	Total Amount (A*B*C)
1	Digitisers for Base map- Interpretation and Digitization from Satellite imagery	5	10		
2	Quality Controller of Base Map and Network	4	18		
3	Digitisers for Attribute updation	2	18		
4	Digitisers for Network creation and its attribute updation	10	18		
5	Surveyor for GCP using DGPS	4	1		
Sub Total (Rs.)					
Applicable Taxes					
<b>Total All Inclusive Value (Rs.)</b>					

- The quoted rates must be inclusive of all taxes as applicable at the time of bidding.
- Bidders are to quote their rates strictly as per above format.
- The quantities mentioned above are indicative and for bid evaluation purposes only. Payments shall however be made as per actuals as per the Payment Criteria defined elsewhere in the tender document.



REC Power Distribution Company Limited

**ANNEXURE-A**

**PERFORMANCE BANK GUARANTEE**

M/s. REC Power Distribution Company Ltd.  
1016-23, 10<sup>th</sup> Floor, Devika Tower,  
Nehru Place,  
New Delhi  
(With due Rs.100/- stamp duty, if applicable)

**OUR LETTER OF GUARANTEE No. :** ..... **Date:**  
.....

**Amount:** ..... **Valid** **Date:**  
.....

**Bank** **Name** **&** **Address:**  
.....

In consideration of REC Power Distribution Company Ltd. having its office at 1016-1023, 10<sup>th</sup> floor, Devika Towers, Nehru Place, New Delhi (hereinafter referred to as "RECPDCL" which expression shall unless repugnant to the content or meaning there of include all its successors, administrators and executors) and having entered into an agreement dated \_\_\_\_\_/issued Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ with/on as \_\_\_\_\_ (hereinafter referred to as "The service" which expression unless repugnant to the content or meaning thereof, shall include all the successors, Administrators and executors).

WHEREAS the Agency having unequivocally accepted to supply the materials as per terms and conditions given in the Agreement accepted to providing service as per terms and conditions given in the Agreement dated \_\_\_\_\_ /Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ and RECPDCL having agreed that the Agency shall furnish to RECPDCL a Performance Guarantee for the faithful performance of the entire contract, to the extent of 10% (ten percent) (or the percentage as per the individual case) of the value of the Work Order i.e. for \_\_\_\_\_.

We, \_\_\_\_\_ (The Bank) which shall include OUR successors, administrators and executors herewith establish an irrevocable Letter of Guarantee No.

\_\_\_\_\_ in your favour for account of \_\_\_\_\_ (The Agency) in cover of performance guarantee in accordance with the terms and conditions of the Agreement/work Order.

Hereby, we undertake to pay upto but not exceeding \_\_\_\_\_ (say \_\_\_\_\_ only) upon receipt by us of your first written demand accompanied by your declaration stating that the amount Claimed is due by reason of the Agency having failed to perform the Agreement and despite any contestation on the part of above named Agency.



**REC Power Distribution Company Limited**

This Letter of Guarantee will expire on \_\_\_\_\_ including 30 days of claim period and any claims made hereunder must be received by us on or before expiry date after which date this Letter of Guarantee will become of no effect whatsoever whether returned to us or not.

\_\_\_\_\_  
Authorized Signature  
Chief Manager/Manger

Seal of Bank



REC Power Distribution Company Limited

**ANNEXURE-B**

**BID BANK GUARANTEE (EARNEST MONEY)**  
(To be stamped in accordance with Stamp act)

This deed of Guarantee made this \_\_\_\_\_ day of \_\_\_\_\_  
\_\_\_\_\_ **2014**  
by \_\_\_\_\_  
\_\_\_\_\_

**(Name of the Bank)**

having one its branch at \_\_\_\_\_  
acting through its Manager (hereinafter called the "Bank") which expression shall wherever  
the context so requires includes its successors and permitted assigns in favour of REC  
Power Distribution Company Ltd., registered under the Companies Act, 1956, having its  
office at \_\_\_\_\_

\_\_\_\_\_ (hereinafter  
called)  
("RECPDCL") which expression shall include its successors and assigns.  
WHEREAS RECPDCL has invited tender vide their Tender Notice No.

\_\_\_\_\_ Dated \_\_\_\_\_ to be opened  
on AND WHEREAS

M/s \_\_\_\_\_

**(Name of Tenderer)**

having \_\_\_\_\_ its \_\_\_\_\_ office \_\_\_\_\_ at \_\_\_\_\_

(hereinafter called the "Tenderer"), has/have in response to aforesaid tender notice offered  
to supply/ do the job \_\_\_\_\_ as contained in the tender.

AND WHEREAS the Tender is required to furnish to RECPDCL a Bank Guarantee for a  
sum \_\_\_\_\_ of \_\_\_\_\_ Rs. \_\_\_\_\_ (Rupees  
\_\_\_\_\_ Only) as Earnest

Money for participation in the Tender aforesaid.

AND \_\_\_\_\_ WHEREAS, \_\_\_\_\_ we

**(Name of Bank)**

have at the request of the tenderer agree to give RECPDCL this as hereinafter contained.  
NOW, THEREFORE, in consideration of the promises we, the undersigned, hereby  
covenant that, the aforesaid Tender shall remain open for acceptance by RECPDCL during  
the period of validity as mentioned in the Tender or any extension thereof as RECPDCL  
and the Tenderer may subsequently agree and if the Tenderer for any reason back out,  
whether expressly or impliedly, from his said Tender during the period of its validity or any



**REC Power Distribution Company Limited**

extension thereof as aforesaid or fail to furnish Bank Guarantee for performance as per terms of the aforesaid Tender, we hereby undertake to pay RECPDCL, New Delhi on demand without demur to the extent of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only).

We further agree as follows:-

01. That RECPDCL may without affecting this guarantee extend the period of validity of the said Tender or grant other indulgence to or negotiate further with the Tenderer in regard to the conditions contained in the said tender or thereby modify these conditions or add thereto any further conditions as may be mutually agreed to in between RECPDCL and the Tender AND the said Bank shall not be released from its liability under these presents by an exercise by RECPDCL of its liberty with reference to the matters aforesaid or by reason of time being given to the Tenderer or any other forbearance, act or omission on the part of the RECPDCL or any indulgence by RECPDCL to the said Tenderer or any other matter or thing whatsoever.

02. The Bank hereby waive all rights at any time in consistent with the terms of this Guarantee and the obligations of the Bank in terms thereof shall not be otherwise affected or suspended by reason of any dispute or dispute having been raised by the Tenderer (whether or not pending before any arbitrator, tribunal or court) or any denial of liability by the Tenderer stopping or preventing or purporting to stop or prevent any payment by the Bank to RECPDCL in terms thereof.

03. We the said Bank, lastly undertake not to revoke this Guarantee during its currency except with the previous consent of RECPDCL in writhing and agree that any charges in the constitution, winding up, dissolution or insolvency of the Tenderer, the said Bank shall not be discharged from their liability.

NOTWITHSTADING anything contained above, the liability of the Bank in respect of this Guarantee is restricted to the said sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only)

and this Guarantee shall remain in force till \_\_\_\_\_ unless a claim under this guarantee is filed with the bank within 30 (thirty) days from this date or the extended date, as the case may be i.e. upto \_\_\_\_\_ all rights under Guarantee shall lapse and the Bank be discharged from all liabilities hereunder.

In witness whereof the Bank has subscribed and set its name and seal here under.



REC Power Distribution Company Limited

**Annexure – C**

<b>S.No.</b>	<b>NAME OF AGENCIES</b>
1	M/S. STESALIT LIMITED
2	M/S. N_ARC CONSULTING
3	M/S. ADCC INFOCAD PVT. LTD.
4	M/S. RAM TECH SOFTWARE SOLUTIONS
5	M/S. ENERGY ECONOMY & ENVIRONMENTAL CONSULTANTS
6	M/S. SPATIAL GEOTECH PVT. LTD.
7	M/S. COORD TECHNOLOGIES
8	M/S. MNEC CONSULTANTS PVT. LTD.
9	M/S GEOINFOSYS TECHNOLOGIES
10	M/S. SATRA INFRASTRUCTURE MANAGEMENT SERVICES PVT. LTD.
11	M/S. TRICAD DESIGNCONSULTANTS PVT. LTD.
12	M/S. ELECTRICAL RESEARCH & DEVELOPMENT ASSOCIATION
13	M/S. ERIS TECHNO MANAGEMENT PVT. LTD.
14	M/S. NK ENTERPRISES
15	M/S. PRINAV GIS TECHNOLOGIES PVT. LTD.