

**LIST OF EMPANELLED DGPS SURVEYING AGENCIES UNDER CATEGORY D ( 500 Acs to 1000 Acs )**

<b>S No</b>	<b>Name of the Agency</b>	<b>Address of the Agency</b>	<b>Name of the Contact Person</b>	<b>Mobile No</b>	<b>e-mail id</b>
1	<b>SECON Pvt Ltd</b>	SECON Pvt. Ltd., Plot No 147,7B Road, EPIP Zone, Whitefield, Bangalore	Jayasree Ratna Kumar, Sr. Manager Contracts	9591037542	r.suri@secon.in
2	<b>VVN Technologies Pvt Ltd</b>	VVN Technologies Pvt Ltd., H No:7-604, Guptha Street, Near IDBIBank, New State Bank Colony, Mangalagiri, Guntur Dist.	Dr. V Sreenivasulu	9100995491	<a href="mailto:HR@VVNTECHNOLOGIES.COM">HR@VVNTECHNOLOGIES.COM</a>
3	<b>Remote Sensing Instruments</b>	M/s. REMOTE SENSING INSTRUMENTS, #7, Type-I, IE Kukatpally, Hyderabad,TS-500072	B V Ramana Kumar	9848029196	kumarrsi@gmail.com
4	<b>M/s SR INFRA TECH</b>	SR INFRA TECH., #3 47, BHIMAVARAM VILLAGE, ULAVAPADU, Prakasam, Andhra Pradesh, 523292	S HANUMA REDDY	9866961717	<a href="mailto:srinfra09@gmail.com">srinfra09@gmail.com</a>
5	<b>M/s XPLORER Consultancy Service Pvt Ltd</b>	Xplorer Consultancy Services Private Limited, Plot No:3 First Floor, Sarhaul, Opp. HIPA, Sector-18, Gurgaon-122001	ANGSHUMAN CHATTOPADHYAY	9910333897	xplorer@explorer.in

Sd/-  
**CHIEF ENGINEER(N)**  
**APIIC Ltd.,**

**Dt:21.03.2022**

Note :

- 1) It is directed to obtain financial quote from the Empanelled Vendors for the Scope of the Work ( Ref : Annexure - I )
- 2) The period of Empanelment is valid upto 2 years ( ie from 14/03/2022 to 13/03/2024). Moreover, it is rolling mode of empanelling, hence the list will be updated on periodical basis
- 3) On completion of the DGPS survey, the vendors has to furnish all deliverables within a stipulated time ( Ref : Anexure - II) . On receiving the requisite deliverables only , the payment as agreed will be released to the Agency .
- 4) Any discrepancy in presenting the data, the Agency will be held responsible in all aspects
- 5) APIIC is the sole owner of the data and owns all the rights in this regard . Any misutilization of the data by the Agencies, APIIC will initiate penal action under Data Privacy Act

## A) Scope

Under this scope, it is proposed to survey the proposed land possession parcel and prepare the polygon by following due process as stated below

- To establish a precision plan metric & height Ground Control Points ( GCP ), wherein 1 Primary Control Point ( i.e. with 0.3 m x 0.3 m x 0.9 m out of which 0.3 m projected above ground) established centrally & mandatorily with at least 12 hrs observation at the proposed Land extent. Here the precision should be 1: 30000
- The other Secondary Control Point (i.e. with precision level as 1:20000 ) and Tertiary Control Point (i.e. with precision level as 1:10000 ) shall be established at an desired intervals as mandated by Engineer – In –Charge ( i.e. indicatively 1 to 3 KM interval ) .
- Further control point shall be provided at 150m to 300 m interval on rock in situ permanent objects using DGPS equipment uniformly distributed over the project area to facilitate topographical survey for capturing all physical features, topographical, demographical features mandatorily.
- Demarcation of boundary by concrete pillars with the help of FMBs and coordinates from reference pillars to each and every boundary points by DGPS and preparation of Auto-CAD drawings of draft layout plan superimposed in FMB Map and Contour map as per requirement of APIIC.
- Total land survey with the help of the land details available with APIIC.
- Superimposition of the land survey on the Survey numbers Map of the said land area.
- Preparation of Land Schedule of the Project area.
- Topographic Survey of Project Area as per the requirement.
- Acquisition of certified copies FMBs and Village Maps will be responsibilities of Tenderer.
- Acquisition of GTS Points and RL from Survey of India will be the sole responsibility of the Tenderer
- Acquisition of Satellite Imageries will be the sole responsibility of the Tenderer.
- The Survey Agency shall be responsible for the accuracy of the data collected during Survey
- Co-ordinates of the Boundary Pillars shall be established in the world Geodetic System, 1984 (WGS-84) datum.

- Reports of this work have to be submitted in hard as well soft copy in desired format of APIIC.
- First draft copy of the report shall be submitted to APIIC, then after the approval of the Draft copy final report shall be submitted in four copies with all text, maps, all enclosures and calculation sheet.
- The copy right of this report will be solely of APIIC. No part of the report can be used in any format without proper & prior permission of the APIIC.
- Preparation of reference pillar/Ground Control Points (GCP)and fixing the original global co-ordinate on the pillar/GCP with the help of DGPS (Differential Global Positioning System)
- Plot boundary points by concrete pillars with the help of DGPS from the reference pillar.
- Preparation of Auto-CAD drawing of the layout plots including roads, drainage network, Electrical, water supply and junction points and allow other prevailing features etc.,
- The prepared drawing shall be mandatorily converted into .shp file and .kml file also

## **B) Deliverables**

Under this EoI, APIIC intends the following deliverable which are adequately required for release of payment.

- Land Possession Polygon which was surveyed under this Scope, with Plot boundary points/ GCP shall be handed over to APIIC Officials
- The Agency shall handover in format of Auto cad, .shp file and .kml formats
- The Land possession polygon submitted shall be a precision (to centimeter accuracy) with FMB with an error up to 1%. The Agency shall submit Certificated document from mandal Surveyor in this regard.

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**CHIEF ENGINEER(N)**  
 APIIC Ltd,