

# Andhra Pradesh Urban Infrastructure Asset Management Limited

Reg. Off: 4th Floor, NTR Administrative Block, Pandit Nehru Bus Station

Vijayawada - 520 013

CIN: U65999AP2016PLC103663

## SCOPE FOR SUPPLY OF CAPEX (DGPS - Survey Instrument) ITEM FOR APUIAML

Andhra Pradesh Urban Infrastructure Asset Management Limited (APUIAML) requires to purchase the following Capex (DGPS - Survey Instrument) item from the vendor(s)

Sl. No.	Item Required	Qty. (Nos.)	Preferred Brands / Models	Unit Cost (Rs.)																																						
1.	<p><b>DGPS - Survey Instrument Specifications</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Signal Tracking</td> <td>Dual frequency or better</td> </tr> <tr> <td>Type</td> <td>GPS, GLONASS, Galileo, BeiDou, QZSS or more</td> </tr> <tr> <td>RTK range</td> <td>5km or more</td> </tr> <tr> <td>Tilt compensation</td> <td>30 degrees or better</td> </tr> <tr> <td>Reliability</td> <td>Typically, 99.99% for base lines upto 20km or better</td> </tr> <tr> <td>Maximum positioning update rate</td> <td>10 Hz or more</td> </tr> <tr> <td>Initialisation time</td> <td>typ. 4s</td> </tr> <tr> <td>Measuring modes</td> <td>Static, RTK</td> </tr> <tr> <td>Channels</td> <td>555 channels or more</td> </tr> <tr> <td>Accuracy In Static/Rapid static mode</td> <td>Horizontal -5mm+1ppm or better Vertical - 10mm + 1ppm or better</td> </tr> <tr> <td>In RTK mode</td> <td>Horizontal -10mm+1ppm or better Vertical - 20mm + 1ppm or better</td> </tr> <tr> <td>Communication</td> <td>Bluetooth, USB, RS 232</td> </tr> <tr> <td>Cellular modem</td> <td>4G or better</td> </tr> <tr> <td>Data logging</td> <td>Raw data logging/RINEX data logging/ NMEA out</td> </tr> <tr> <td>Memory</td> <td>Compact flash cards/ USB devices of 256 MB or more</td> </tr> <tr> <td>RTK data formats</td> <td>RTCM Versions 2.2/ 2.3/ 3.0/ 3.1, CMR, CMR+, and all other desirable data formats, through 2 ports.</td> </tr> <tr> <td>power supply</td> <td>Lemo plug/ Hot swappable/ Li-Ion</td> </tr> <tr> <td>operating time (static/rover)</td> <td>10 hrs or more</td> </tr> <tr> <td>Internal Battery</td> <td>Two internal rechargeable Li-on Batteries</td> </tr> </table>	Signal Tracking	Dual frequency or better	Type	GPS, GLONASS, Galileo, BeiDou, QZSS or more	RTK range	5km or more	Tilt compensation	30 degrees or better	Reliability	Typically, 99.99% for base lines upto 20km or better	Maximum positioning update rate	10 Hz or more	Initialisation time	typ. 4s	Measuring modes	Static, RTK	Channels	555 channels or more	Accuracy In Static/Rapid static mode	Horizontal -5mm+1ppm or better Vertical - 10mm + 1ppm or better	In RTK mode	Horizontal -10mm+1ppm or better Vertical - 20mm + 1ppm or better	Communication	Bluetooth, USB, RS 232	Cellular modem	4G or better	Data logging	Raw data logging/RINEX data logging/ NMEA out	Memory	Compact flash cards/ USB devices of 256 MB or more	RTK data formats	RTCM Versions 2.2/ 2.3/ 3.0/ 3.1, CMR, CMR+, and all other desirable data formats, through 2 ports.	power supply	Lemo plug/ Hot swappable/ Li-Ion	operating time (static/rover)	10 hrs or more	Internal Battery	Two internal rechargeable Li-on Batteries	01*	<b>Topcon, Sokkia, Trimble, Leica or equivalent</b>	
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Weight	Controller should be light in weight
Operational Temperature	-40° C to +65° C
Proof against water, sand and dust	IP67
Shock	Withstands 2 m drop onto hard surface
Warranty	Atleast 1 year and extendable warranty upto 3 years

**\* The number of Survey Instruments or their specifications could be increased or decreased as per the requirements of APUIAML Management**

## **GENERAL TERMS & CONDITIONS:**

- Supplier(s) should be having authorized dealership of the products (Brand mentioned against each Product)
- Prices should be quoted (exclusive of GST, which should be mentioned separately). No extra charges will be paid if the same is not specified in the quote
- Selected supplier(s) will be solely responsible for their products till the delivery reaches at APUIAML Office located at Vijayawada
- APUIAML will not be responsible for any packing and transportation damages and if any damaged product found, should be replaced by the selected supplier(s) with an immediate effect.
- APUIAML will make payment through NEFT/ RTGS / Cheque against the Invoice(s)
- Items should be delivered at:

### **For Vijayawada Items at**

Andhra Pradesh Urban Infrastructure Asset Management Limited  
4th Floor, NTR Administrative Block, Pandit Nehru Bus Station  
Vijayawada - 520 013

Selected Supplier(s) will raise Invoice in the name of

### **Andhra Pradesh Urban Infrastructure Asset Management Limited**

4th Floor, NTR Administrative Block, Pandit Nehru Bus Station  
Vijayawada - 520 013  
GST No.: 37AAOCA6442P1ZY

Please submit your Quote on or before 3 pm of **May 03<sup>rd</sup>, 2024** in a sealed envelope at the address given below or by way of mail to [pavan.k@apurban.in](mailto:pavan.k@apurban.in) with a cc to [pavan.kurumaddali@apurban.in](mailto:pavan.kurumaddali@apurban.in), [admin@apurban.in](mailto:admin@apurban.in) and [sankar.modugula@apurban.in](mailto:sankar.modugula@apurban.in)

Mr. Pavan Kumar Kola

Administration Department

Andhra Pradesh Urban Infrastructure Asset Management Limited  
4th Floor, NTR Administrative Block, Pandit Nehru Bus Station  
Vijayawada - 520 013

**For any clarification on the, may please be contact to Mr. Pavan Kola (Mobile No. 9966718369)**

### **-: DISCLAIMER :-**

The final decision to award contract shall always reside with APUIAML. APUIAML Management keeps the full right:

- (a) to take all decision in respect of the Bidding Process for selection of the Supplier(s)
- (b) Not to disclose with anyone the reasons for rejection/ selection of any quote(s)