

**CORRIGENDUM II (Tender for Supply,Installation,Training & Maintenance of Survey Equipment at Cochin International Airport)  
Tender No: CIAL/OPS/TENDER/2023/3**

Sl No.	Page No	Section Name	Existing terms	Revised terms
1	19	Remote Configuration	GNSS system should be able to be configured remotely.Should be able to monitor from remote location/base station with controller or any PC with required software and also should be able to work on stand alone	The Specification can be discarded as it is not suited to our requirement
2	19	Communication	It should be capable of supporting radio modem/ telephone line/GSM modem, 4G modem, RS 232 port, Ethernet (RJ45), external memory devices. The receiver must be able to support data downloading internally from met- package as well as data I/O using VSAT or 4G modem simultaneously. Data Ports : RS232 port, Ethernet Port, Bluetooth, Wi-Fi Integrated with all ports being IP67 complied on integration with receiver. Preferably the system should have internal slot based GSM/ GPRS/4G link for data pooling. The receiver should have onboard USB or memory slot,. Inbuilt USB port, inbuilt WiFi, Web Browser excess to receiver configuration, NTRIP, TCP/IP, Google Earth Support in Web browser configuration.	3.5G is acceptable for GNSS receivers. Kindly read it as Radio mode & GSM mode mandatory ( 3.5G or better ) . Should have Data Ports : One RS232 port,One USB Port, Bluetooth, Wi-Fi Integrated with all ports.Rest all are preferable

3	Page No:23 Point No:vii	Remote Configuration	GNSS System should be able to be configured remotely. Should be able to monitor from remote location/base station with controller or any PC with required software and also should be able to work on stand alone.	The Specification can be discarded as it is not suited to our requirement
4	Page No:23, Point No: v	Communication	It should be capable of supporting radio modem/ telephone line/GSM modem, 4G modem, RS 232 port, Ethernet (RJ45), external memory devices. The receiver must be able to support data downloading internally from met- package as well as data I/O using VSAT or 4G modem simultaneously. Data Ports : RS232 port, Ethernet Port, Bluetooth, Wi-Fi Integrated with all ports being IP67 complied on integration with receiver. Preferably the system should have internal slot based GSM/ GPRS/4G link for data pooling. The receiver should have onboard USB or memory slot,. Inbuilt USB port, inbuilt WiFi, Web Browser excess to receiver configuration, NTRIP, TCP/IP, Google Earth Support in Web browser configuration.	3.5G is acceptable for GNSS receivers. Kindly read it as Radio mode & GSM mode mandatory ( 3.5G or better ) . Should have Data Ports : One RS232 port,One USB Port, Bluetooth, Wi-Fi Integrated with all ports.Rest all are preferable
5	Page No 20 Point no iii	Power Port	2 No power port with input voltage of 12V/24V DC external power input with over-voltage /polarity protection	Minimum One Power port for Connecting external Power
6	Page No 21 Point no vi	Data Storage	6GB Internal memory or better	The Specification is amended ,kindly note it should have an internal memory of minimum 4GB or better

7	Page No 21 Point no iii	Physical and Environmental specifications: Point No: v	Humidity	The Specification is amended ,kindly note it should be minimum 95% Condensing
8	Page 19, Point no 1,(iii)	GNSS Antenna	Multi frequency, High gain Integrated antenna with Sub-mm phase center repeatability.	Kindly read it as Multi frequency, High gain Integrated antenna is mandatory , Preferably with sub-mm phase center repeatability
9	Page No:25, Point No: 2	Display	<ol style="list-style-type: none"> <li>1. 6" capacitive multi-touch (LCD/LED) or better.</li> <li>2. 1920 x 1200 pixels resolution</li> <li>4. Glove / rain mode options</li> <li>5. Corning® Gorilla® Glass</li> </ol>	<ol style="list-style-type: none"> <li>1.The display resolution specification is amended.Resolution of 1280 x 800 or better is acceptable.</li> <li>2.Display size of 6" or above is mandatory.</li> <li>4.Preferably should have gloves &amp; wet hand option.</li> <li>5.Corning Gorilla glass is mandatory</li> </ol>
10	Page No:25, Point No: 9	Communication	<p>It should be capable of supporting radio modem/ telephone line/GSM modem, 4G modem, RS 232 port, Ethernet (RJ45), external memory devices. The receiver must be able to support data downloading internally from met- package as well as data I/O using VSAT or 4G modem simultaneously. Data Ports : RS232 port, Ethernet Port, Bluetooth, Wi-Fi Integrated with all ports being IP67 complied on integration with receiver. Preferably the system should have internal slot based GSM/ GPRS/4G link for data pooling.</p>	<p>GSM Mode with 4G is mandatory for Data Controller.Should have Data Ports : One RS232 port,One USB Port, Bluetooth, Wi-Fi Integrated with all ports. Rest all are preferable</p>

			The receiver should have onboard USB or memory slot,. Inbuilt USB port, inbuilt WiFi, Web Browser excess to receiver configuration, NTRIP, TCP/IP, Google Earth Support in Web browser configuration.	
<b>11</b>	Page No:26, Point No:10	Bluetooth	BT V4.1 Upto 150 m or better	For Data Controller Upto 60m or better is acceptable.
<b>12</b>	Page No:26, Point No: 12	Internal Batteries	Both the GNSS receiver as well as controller should be operable with internal batteries long enough to last at least 10 hours of field operation.Two internal batteries must be supplied	The specification is amended,the data controller battery should last for a minimum of 8hrs of field operation .Preferably additional internal battery can be provided.
<b>13</b>	Page No:26, Point No: 13	Inbuilt Radio	Fully integrated, fully with minimum of 0.5 more coverage sealed internal radio signal transceiver, Watt transmitting power with 3-5 km or better	The Specification can be discarded as it is not suited to our requirement
<b>14</b>	Page No:27, Point No: 16 (i)	Operating temperature for all major components	- 40°C to + 55°C	The specification is amended as -10 °C to 55 ° C, which is mandatory
	Page No: 27, Point No: 16 (iii)	Humidity	100% Condensing	The Specification is amended ,kindly note it should be minimum 95% Condensing

<b>15</b>	Page No: 26, Point No: 11	Camera	Rear: 13 megapixels with autofocus and flash Front: 5 megapixels	The specification is amended, Rear Camera of 8MP or better is mandatory , front camera is Optional
<b>16</b>	Page no 26 Point no 15	Sensors	Gyroscope · Compass · Accelerometer · Pressure · Proximity · Ambient light	As per Tender.Proximity & Pressure Sensors are not mandatory
<b>17</b>	Page No:32	Field of View	1° 30" or better	Field of View of 1° 25" or better is acceptable
<b>18</b>	Page No:33	Plummet	Inbuilt Laser Plummet	The specification is amended as Inbuilt Laser or Optical Plummet
<b>19</b>	Page No:33	Data storage	2 GB + 8GB or better Not less than 10000 points with USB compactibility	The specification is amended,internal memory of 1GB or better is acceptable ,with a provision of supporting 8GB SD card or USB
<b>20</b>	Page no: 33	Wireless Communication	Bluetooth, WLAN	As per Tender.Kindly read it as Bluetooth / WLAN
<b>21</b>	Page 32	Minimum Focussing Range	1.5m or better	The specification is amended as 1.3m or better.