

Date- 31st August, 2019

Clarification to queries raised by Bidders for GPS Tracking Device and Button Panel, Tender Document No. 001 dated, August 14, 2019.

Technoton Sensors Pvt. Ltd

Sl No	Page No	RFP Clause	Query	Clarifications
1	Page-6	Section 3, 2(c)	RFP document cost is way too high. It should not exceed Rs 5,000	The cost of RFP document is kept high in order to attract serious bidders only and cannot be modified
2	Page - 5	Eligibility criteria	Project should be considered if 400 units have been supplied to a single client instead of 1000 units. It should be consider 400 units in a single order	This has been approved by NHM procurement committee and hence cannot be modified
3	Page 11 .	Point V(ii)	What is the criteria of satisfactory services?	Material delivery in time, Installation in time & Post installation service support is the success criteria of satisfactory services.
4		Project Duration for commissioning	What would be the maximum time period to execute the project and at which all locations?	The installation of all devices should be completed within 60 days of the date of issue of Purchase Order. Kindly refer corrigendum for changes
5	Page 21	Payment Terms	100% will be made on completion of complete project or it will be depend on lot of vehicles ?	Installation will be done on older vehicle & reinstallation will be done in newer vehicles whenever available

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6		SIM cards	Which agency will provide SIM cards for the GPS?	Service Provider(ZHL) will provide the SIM cards
7		Monthly Software Recurring Fee	Is it required to be included in the bid price?	Monthly recurring fee will be paid as OPEX but monthly recurring fee will be parameter for evaluation of financial bid.
8			Whether monthly recurring fees including SIM charges are to be included in GPS price	Monthly recurring fees including SIM charges should not be included in the GPS price. SIM & GPS recurring charges will be given by Service provider as OPEX
9			Place of installing GPS	Installation will be done at the base location of the each ambulance.
11	Page 29 & 12	Annexure 5 – Financial Bid SECTION 5 – TECHNICAL SPECIFICATIONS	Two different figures are mentioned i.e 310 and 420	This is a typo error, accurate quantities would be 420 + 10% of total numbers as spare. Kindly refer corrigendum for changes
12			What will be the time line for delivery, We suggest minimum 8 weeks from date of PO/Signing of contract.	As per RFP
13	Page -21	SECTION 6	We suggest Warranty should be off site instead of On site due to large territory of Odisha State.	As per RFP

Plexi tech Transsolution LLP

Sr.No	Page No	RFP Clause	Query	Clarifications
1	Page No.12	Section 5	GPS receiver module: 66 ch GLONASS + GPS L1 C/A codes, There can be a maximum of 12 to 18 channels visible by GPS Receiver at any given point and time. Thus any GPS receiver having capacity to receive more than 33 channels should be good enough. In fact in India all GPS should have capability of supporting Indian Navigation Satellite system which is called IRNSS,	Since IRNSS not in operation, hence IRNSS will not be mandatory
2	Page No.12	Section 5	Technical Specifications, Digital Input : 8 This seems specific. Now a days most of the devices has 2 analog , 2 Digital Configurable IOs with Serial interface(RS232) This can satisfy requirements of any complex nature including external switch Panel.	The requirement is 7 button panel inputs & fuel sensor integration for which 8 digital input. Vendor should attach documentary support on how these inputs can be captured over serial Port to meet technical compliance. With schematic diagrams where ever necessary.
3	Page No.12	Section 5	Technical Specifications, Digital Input : 4 This seems specific. Now a days most of the devices has 2 analog , 2 Digital Configurable IOs with Serial interface(RS232) This can satisfy requirements of any complex nature including external switch Panel.	The requirement is 7 button panel inputs & fuel sensor integration for which 8 digital input. Vendor should attach documentary support on how these inputs can be captured over serial Port to meet technical compliance. With schematic diagrams where ever necessary.
4	Page No. 14	Requirements in Brief	Should Support both internal and External GSM and GPS Antenna Now a days most of the GPS devices are manufactured with internal GSM and GPS antenna. These latest GPS devices are very efficient in operation. Even ARAI released section does not mention external antenna as mandatory.	Remote locations in Odisha where very poor GSM network coverage available so external antenna is desired but not necessary if the internal antennas have high sensitivity.

Sr. No	Page No	RFP Clause	Query	Clarifications
5	Page No. 14	Requirements in Brief	Should support GLONASS along with GPS This is right but We suggest that all GPS devices in India should support IRNSS over and above GLONASS along with GPS	Since IRNSS not in operation, hence IRNSS will not be mandatory
6	Page -12	SECTION 5 – TECHNICAL SPECIFICATIONS	Parameter of Cold Start time for GPS devices is too specific as 29 secs As per AIS140 standard prescribed by ARAI it should be defined as >= 35 or 30 seconds	As per Industry standards the acceptable cold start time is less than 40 seconds and will be modified accordingly. Kindly refer corrigendum for changes.
7	Page-13	SECTION 5 – TECHNICAL SPECIFICATIONS	Antenna of GPS device should be external or internal but must not be limited to external only	We are operating in location where very poor network availability is there and / or specific application area we required external antenna for better accuracy.
8	General	General	There is discrepancy in quantity of GPS devices to be supplied	Quantity is 420 devices and 10% Spare devices
9	Page No. 14	Requirements in Brief	Mentions device to support CSD meant for CDMA network which is no more in use. Most of the device manufactures have device that support GSM. Insisted on specifying device to support GSM or CDMA (only one at a time but not both simultaneously)	CSD will be removed. Kindly refer corrigendum for changes
10	Page No. 16	Technical Specifications:	Battery backup has been mentioned differently in RFP as 1800 and 2200 mAh at another place. It is to be corrected.	This will be rectified. Our requirement is 1800 mAh Internal battery. Kindly refer corrigendum for changes

11	Page No. 16	Technical Specifications:	Power Supply range of 9-40 Volt seems to be meant for a custom device. 40 Volt is too high a range.: The range has been kept high because the button panel will draw power from the power supply of device. Any decrease in range of volt may affect the operation of button panel which is in use at present.	This will be rectified. Supply voltage can be ranged from 8-32 volt. Kindly refer corrigendum for changes
12	Page No. 13	SECTION 5 – TECHNICAL SPECIFICATIONS	Further 8 digital and 4 analog I/Os have been specified for device to be procured: The Agency was told that as per planning digital I/Os are required for button panel integration. However the vendor claimed that button panel can be integrated through serial inputs which are as per latest technology.	The requirement is 7 button panel inputs & fuel sensor integration for which 8 digital input. Vendor should attach documentary support on how these inputs can be captured over serial Port to meet technical compliance. With schematic diagrams where ever necessary.
13	Page No. 13	SECTION 5 – TECHNICAL SPECIFICATIONS	Since button panel integration is required irrespective of digital or serial inputs, a final call will be taken.	The requirement is 7 button panel inputs & fuel sensor integration for which 8 digital input. Vendor should attach documentary support on how these inputs can be captured over serial Port to meet technical compliance. With schematic diagrams where ever necessary.
14	Page No. 12	Section -4	Quantity is blank, GPS Tracking Device	This will be rectified; accurate quantities would be 420 + 10% of total numbers as spare. Kindly refer corrigendum for changes
15	Page No. 12	Section -4	Quantity is blank, Button Panel	This will be rectified; accurate quantities would be 420 + 10% of total numbers as spare. Kindly refer corrigendum for changes
16	Page No. 12	Section-5	On Page 12 the quantity is mentioned as 420 whereas on the Page 29 'Annexure 5 – Financial Bid' the quantity is mentioned as 310. Kindly confirm the quantity required GPRS multi-slot class12/10/18	This will be rectified, accurate quantities would be 420 + 10% of total numbers as spare. GPRS multi-slot class12/10/18 is correct, rest spec will be removed. Kindly refer corrigendum for changes

17	Page No. 14	Section-5	On Page 12 the GPS receiver module specs lists '66 ch GLONASS + GPS L1 C/A codes' whereas on the Page 14 the GPS receiver module specs lists '88 Channel GLONASS + GPS L1 C/A Code'. Kindly confirm the specifications required GPS receiver module : 66 ch	GPS receiver module : 66 ch GLONASS + GPS L1 C/A codes is correct , rest will be removed from spec. Kindly refer corrigendum for changes
18	Page No. 14	Section-5	On Page 12 the GPS receiver module specs lists 'High performance 66 channel GLONASS & GPS receiver Module' whereas on the Page 14 the GPS receiver module specs lists 'High Performance 88 Channel GLONASS/GPS Receiver Module'. Kindly confirm the specifications required GPS receiver module : High performance 66 channel GLONASS & GPS receiver Module	GPS receiver module : High performance 66 channel GLONASS & GPS receiver Module is correct , other spec will be removed from Spec
19	Page No. 14	Section-5	Most of the industry leading GPS receiver modules offer cold start less than or equal to 35 seconds. This may be proprietary product having less than 28 seconds and will limit the GPS devices which can qualify. Hence the specification criteria should be relaxed to "Cold start range should be between 30 to 40 seconds" GPS receiver module : Cold Star - less than 28 sec	As per Industry standards the acceptable cold start time is less than 40 seconds and will be modified accordingly. Kindly refer corrigendum for changes.
20	Page No. 14	Section-5	Most of the industry leading GPS Receiver modules offer cold Start sensitivity in the range of -140 to -160. This may be proprietary product having specific sensitivity of -146 dBm and will limit the GPS devices which can qualify. Hence the specification criteria should be relaxed to "Cold start sensitivity should be between a range of -140 to -160" GPS receiver module : Cold Start sensitivity -146 dBm	As per Industry standards the acceptable cold start time sensitivity should be in range of -140 to -160 dBm. Kindly refer corrigendum for changes.

21	Page No. 14	Section-5	<p>Most of the industry leading GPS receiver modules offer Navigation sensitivity between range of -160 to -170.</p> <p>This may be proprietary product having specific sensitivity of -163 dBm and will limit the GPS devices which can qualify. Therefore specification criteria should be relaxed to " Navigation sensitivity between a range of -160 to -170 dBm.</p> <p>GPS receiver module : Navigation sensitivity -163 dBm</p>	<p>As per Industry standards the acceptable cold start time sensitivity should be in range of -160 to -170 dBm.</p> <p>Kindly refer corrigendum for changes.</p>
22	Page No. 14	Section-5	<p>On Page 12 the Power Supply module specs lists 'Input voltage - 8-32 V DC' whereas on the Page 14 the Power Supply module specs lists 'Input Voltage (Measured) 0...30V'. Kindly confirm the specifications required</p> <p>Power Supply : Input voltage - 8-</p>	<p>Power Supply : Input voltage - 8-32 V DC is correct, rest will be removed from Spec.</p> <p>Kindly refer corrigendum for changes</p>
23	Page No. 16	Section-5	<p>On Page 12 the Built in power supply module specs lists '1800 mAh battery' whereas on the Page 16 the specification lists 'Built in Battery - 2200mAh'. We suggest to keep the battery at 1800mAh</p> <p>Built in power supply : 1800 mAh battery</p>	<p>Built in power supply : 1800 mAh battery is correct, 2200 mAh battery will be removed from spec. Kindly refer corrigendum for changes</p>
24	Page No. 16	Section-5	<p>On Page 12 the Offline Black-box Storage capacity specs lists '1,50,000 records/ messages' whereas on the Page 16 the specification lists 'Offline storage - 120 000 messages'. Kindly confirm the specifications required</p> <p>Offline Black-box Storage capacity : 1,50,000 records/ messages</p>	<p>Offline Black-box Storage capacity : 1,50,000 records/ messages is correct, rest will be removed from Spec.</p> <p>Kindly refer corrigendum for changes</p>

25	Page -12	SECTION 5 – TECHNICAL SPECIFICATIONS	Most of the industry leading GPS offers 4 digital inputs. This may be proprietary product having 8 digital inputs and will limit the GPS devices which can qualify. Even AIS 140 standard asks for minimum of 4 digital inputs. Button panel requirement can easily be met with serial interface Digital Input : 8	The requirement is 7 button panel inputs & fuel sensor integration for which 8 digital input. Vendor should attach documentary support on how these inputs can be captured over serial Port to meet technical compliance. With schematic diagrams where ever necessary.
26	Page -12	SECTION 5 – TECHNICAL SPECIFICATIONS	Most of the industry leading GPS offers 2 analog outputs. This may be proprietary product having 4 outputs and will limit the GPS devices which can qualify. Even AIS 140 standard asks for minimum of 2 analog outputs. Kindly specify the need to have 4 Analog output Analog output-4 Nos	The requirement is 7 button panel inputs & fuel sensor integration for which 8 digital inputs. Vendor should attach documentary support on how these inputs can be captured over serial Port to meet technical compliance. With schematic diagrams where ever necessary.
27		General	We would like to submit herewith that as per Ministry Of Transportation, Govt. of India's regulation, all GPS devices should comply AIS-140 standards as released by ARAI. ARAI has already released Draft Standards for GPS as AIS -140. The document describes all Technical and General specifications of GPS devices to be used in India for all public and private passenger vehicles.	All Devices supplied should meet the statutory requirement of Section 110(k) of Motor Vehicle Act 1988 as notified by Gazette Notification No. S.O. 5453 (E) & G.S.R. 1081(E) by Ministry of Road Transport and Highways (MoRTH) dated 25th October and 2nd November 2018

Tracknow Pvt Ltd

SI No	RFP Page	RFP Clause	Existing Provision in RFP	Clarification
1	Page-6	Section 3, 2(c)	Are startups exempted from Tender Fee and EMD as per	As per RFP

SI No	RFP Page	RFP Clause	Existing Provision in RFP	Clarification
			the Government of India – Purchase Policy Guideline.	
2	Page-5	Section 2	Do startups get preference in terms of Commercials compared to the standard market player	As per RFP
3	Page-5	Section 2	What are the relaxation being offered to startup in terms of experience and turnover ?	As per RFP