OFFICE OF THE DIVISIONAL MANAGER ,CTU,DIRECTOR TRANSPORT UNION TERRITORY ,CHANDGIARH.

CORRIGENDUM/ADDENDUM

In reference to the e-tender bearing Reference No-CCI/CTU/2020/5341,Dated 08-06-2020 invited e-tender (Tender ID 2020_CHD_55495_1) to Supply , installation of Automatic Vehicle Location System (AVLS) of AIS: 140 standard along with Panic Button and Supply , installation, of 06 new 50" PIS and Design, Development, Implementation and Operation & Maintenance 08 (06 new +02 old) Passenger Information System (PIS) Design, Development, Implementation and Operation & Maintenance of 213 buses (173 +40), Supply , installation, Design, Development, Implementation and Operation & Maintenance for Ultrasonic fuel sensor for 213 buses on monthly basis appeared in the leading newspaper and also displayed on the website of the undertaking as well as website of the Chandigarh Transport Undertaking i.e. chdctu.gov.in and **http://etenders.chd.nic.in/** of Chandigarh Administration and with respect to pre-bid meeting held on 16-06-2020 at 11.00 A.M. certain amendments/modifications are hereby made in the e-tender document /RFP dated 08-06-2020.

Accordingly , tender documents stands amended to the extent as mentioned as follows:-

Sr. No	Page No/Clause no of the tender document	As per Tender Document	Query/suggestion	Response /Amended as
1	**Clause no-1. About the project.** **Page-1**	**About the Project:-** CTU desires to implement the Automatic Vehicle Location System (AVLS) of AIS:140 along with Panic Button, Ultrasonic Fuel sensors for its 213 and Passenger Information System (PIS) at ISBTs . It shall entail:- 1.Supply, Installation of AVLS devices including panic button on 173 buses as per AIS-140. The GPS/VTS are mandatorily to be installed by the empanelled vendor approved by the State Transport Authority, Chandigarh vide Memo	1. Define the list of empanelled vendor approved by the state Transport Authority, Chandigarh vide Memo No-1776/STA/2019,	Amended as " The GPS/VTS devices are mandatorily to be approved by ARAI/CIRT/ICAT. Rest will remain same as per RFA

		No-4776/STA/2019,dated 11-10-2019.	dated 11-10-2019. 2. Transport Authority Chandigarh has yet not issued a list of empanelled vendor.	
		3. Supply , installation of 06 new PIS board of 50 inches and Operation and Maintenance of 08 PIS boards including 2 Old(already installed ,50") at ISBTs or other desired locations.	1. Kindly confirm that Power supply and internet connection to run the display boards will be made available by CTU at the installation location and moreover no specs have been provided for same. These need to be specified,including the resolution/ luminosity/operational requirement /mounting arrangement, etc. Also, the working condition of the old boards needs to be checked to rule out the requirement of having to provide all 8 new boards. 2. Please specify what is the make and model of the old PIS . How old is the exiting PIS.	1. It is clarified that the power supply and internet connection at the point of installation of PIS boards will be provided by CTU.PIS boards should be LED Smart HDTV and must have good quality screen resolution which is to be convenient for the public to read /check the information displayed. Further it is clarified that the old PIS boards will be handed over to the successful bidder in working condition. 2. The old PIS (02) were purchased in 2017 and Model is UN50J6200AFXZA and CROWN LED smart HDTV which will be handed over in working condition.
		7.Development of MIS and Dashboards for Intelligent use of information as per requirement of CTU for AVLS as well as Ultrasonic	Please specify kind of MIS required and information required from dashboard which	It is clarified that the MIS reports to be developed will be as per requirement of CTU from time to time . A very few

		fuel sensors /fuel monitoring system.	need to be developed.	example of MIS reports are like No of buses enroute,total route deviations,total stops,total speed violation, bus route record, bus start time and end time etc.
		8.Using information for public consumption.	Kindly specify the information required for Public Use.	The information line ETA,ETD,time table,schedule of buses etc is be disseminated to the public through mobile app as well as web based at URL of CTU.
		9.Developing mobile application for Android, IOS and web based portal.	Please specify users of mobile application	It cannot be anticipated as it has to put in public domain .
		10.Sharing information with other platforms-Online as well as Offline.	Please specify on which platform data need to be shared	The data/information of the online application or offline applications of CTU can be shared/used within CTU's platform/vendors as and when required.
		11.Development of common Dashboard and Integration with existing set up and ETM software, Overtime Software and OBRMS.	1) Define details of ETM Software and information format required to integrate with that overtime software and OBRMS. 2. Please specify the kind of integration required by CTU and what kind of Dashboard is required for it. 3.Please specify kind of MIS required and information required from dashboard which need to be developed.	There will be one dashboard in which API's of ETM (for e.g. with respect to revenue for particular trip) and overtime (for e.g. for particular trip) is to be integrated so as to make one dashboard /platform for reference. The API's will be provided by the ETM vendor or other vendors for integration with trip schedules as per the requirement of CTU.The successful bidder will have to integrate the same and generate MIS reports as per

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				requirement of CTU.
2	**Clause no-2** **Scope of Project,** **Page -3**	CTU has implemented computerization to some extent such as daily roster generation, waybill preparation (ETM application) and daily receipt MIS; however CTU is inclined to hire the services of Technical Partner for implementation of AVLS system (AIS:140) ,Fuel Monitoring system in all 213 buses and PIS system at ISBTs.The Technical partner shall be responsible for the following:- 1.On-board GPS Devices of AIS :140 standard.	Elaborate Waybill Preparation?	The system of waybill preparation can be seen by visiting the premises of CTU after contacting at mobile (9815135988, 9041407575).
		3.GPRS Communication network.	GPRS Communication Network (billing can be managed but how network availability can be define for outstation routes.	It is clarified that the successful bidder will be responsible for GPRS network for the outstation routes as the VTS devices are to be installed on long route buses .So the bidder has to choose best network provider keeping in view seamless communication network.
		8. Ultrasonic Fuel Sensor of Accuracy of +/-1% .	1. Elaborate ultrasonic fuel sensor +-1% 2. With reference to the RFP Point no. (iv) on page no. 1 and line no. 8 on page no. 4. the ultra sonic fuel sensor is an old technology which is now not used by any state transport corporation , the accuracy of +-1% w.r.t. a big fleet of 213 vehicles	Amended as Ultrasonic Fuel Sensor with accuracy level of +-3% of the fuel scale deflection i.e. total diesel filled in tank before start of trip.

			cannot be provided +-5% by ultrasonic fuel sensor. • the better solution for +-2% accuracy is fuel rod sensor which is also used by PRTC from last 3 years. So, we suggest CTU should call a tender for fuel rod based sensor for accuracy of +-1% or accuracy level of ultra sonic level sensor should be measured by +-5%. • The technical specifications of sensor provided on last page of the RFP documents are of different category and cannot be assumed as ultrasonic and a brand name i.e. AG Electronics is mentioned which should not be there as this will create monopoly. 3. This percentage of accuracy is not achievable in any type of sensor. Also the accuracy is always measured as % of Full Scale Deflection (FSD) which is the capacity of the tank. Kindly indicate how the accuracy will be measured while checking the system. Further Request you to specify the reasonable parameters for	The specification mentioned at page 13 stands deleted.

			same. 4. This percentage of accuracy is not achievable in any type of sensor. Also the accuracy is always measured as % of Full Scale Deflection (FSD) which is the capacity of the tank. Kindly indicate how the accuracy will be measured while checking the system. Further Request you to specify the reasonable parameters for same. 5. Need to change accuracy of fuel sensor up to +-10 %. 6. Is this part of the existing RFP. If yes, what are the specifications of the same. 7. Is this part of the existing RFP. If yes, what are the specifications of the same.	
3	**Clause no-3.** **No of Buses.** **Page No-4.**	**4. No. of Buses** At present, the AVLS/GPS devices are to be installed on 173 buses plying on various Inter State routes. On 40 buses AVLS/GPS devices have already been installed. The ultrasonic fuel monitoring sensors are to be installed in 213 buses .The successful	1. What are the responsibility of vendor on 3rd party devices working with ultrasonic fuel sensor. **2.** The client needs to confirm that the 40 already installed devices are in working order. What if some of these devices are not in working order? & please specify the number of panic button required in single bus. Also please confirm that the	It is clarified that CTU will hand over already installed 40 devices of AIS :140 standard on as is where is basis in working order along with Panic button. Further the number of panic button required in each bus will be as mentioned in the AIS -140 Standard.

		bidder has to ,design, develop, operate and maintain the AVLS and Fuel Monitoring system for all 213 buses. However, the number of buses can be increased or decreased depending upon the induction of new buses or phasing out of old fleet and payment will be made accordingly.	requisite buttons are installed in the 40 buses with existing AIS devices	
4	**Clause no-10.** **Earnest Money Deposit (EMD) /Bid Security.** **Page-6**	**EARNEST MONEY DEPOSIT (EMD)/BID SECURITY.** **1** The prospective bidders shall submit Earnest Money Deposit (EMD) amounting to **Rs.2,00,000/- (Rupees: two lakh only)** in the shape of Bank Draft/FDR/Bank Guarantee in physical form of any scheduled Bank in favour of Divisional Manager CTU & Director Transport UT Chandigarh, Plot No. 701, Industrial Area Phase-I, Chandigarh, payable at Chandigarh and scanned copy of the same must be submitted along with the technical bid online. **2** The EMD of the unsuccessful bidder will be returned immediately after the allotment of the said contract and the EMD of the successful bidder will be returned after depositing the performance security and signing of agreement	Exemption of EMD and security deposits for registered MSME, as MSME going through difficult time because of Covid – 19.	**No change.**

		as per tender documents.		
5	**Clause no-15** **Time period for the completion of work.** **Page-7-8**	Work should be completed within one month from the date of the letter of award(LOA)/work order.	Please clarify as under point 15 on page no 8 it is mentioned that work should be start immediately after allotment of Letter of Award (LOA) and completed within one month from the date of the Letter of Award (LOA)/work order.	Amended as "the work should be start immediately after the allotment of letter of award (LOA) and should be completed within 45 days from the issuing date of LOA or within 30 days from the date of the signing of agreement (whichever is earlier)".
6	**BoQ**	**BoQ**	It is an OPEX project it needs to be clarified as to who will be the owner of the hardware after the end of the tenure?	The successful bidder will be the owner after successful completion of contract period (03 year + 02 years extendable) as the tender is on monthly rent basis.

The date of uploading of tender documents will remain same i.e. 03-07-2020 up to 14.00 HRS and other terms and conditions will remain same.

For General Manager,
Divisional Manager ,CTU &
Director Transport,
U.T., Chandigarh.