

::PEPSU ROAD TRANSPORT CORPORATION PATIALA::

E-Tender No. 451...

Dated... 21/6/23

E-TENDER NOTICE

Pepsu Road Transport Corporation(PRTC) invites E-Tenders for the following:-

Sr. No.	Name of the product	Approx. Qty.
1.	Online e-tender is invited in two bid system (technical & Financial) for supply and installation of fuel monitoring device in the buses of PRTC and integration with the existing VTS devices conforming to AIS:140 already fitted in the buses of PRTC by M/s EON Infotech Ltd. for monitoring consumption of fuel in buses of PRTC.	116 Nos.

- **Last date of downloading/ uploading (submission) of documents**
18 / 07 /2023 at 03.00 PM.

For details log onto <http://tenderwizard.com/PUNJAB>. For any clarification please contact I.T. help desk on 81466-99866

Or www.pepsurtc.com



Managing Director,

Pepsu Road Transport Corporation,

Patiala.

E-NOTICE INVITING BID

Online e-tender is invited in two bid system (technical & commercial) for supply and installation of fuel monitoring device in the buses of PRTC and integration with the existing VTS devices conforming to AIS:140 already fitted in the buses of PRTC by M/s EON Infotech Ltd. to monitor the consumption of fuel in the buses of PRTC.

	Name of Product	Specification s	Approx. Qty
1	Installation of Fuel Monitoring Device in the buses of PRTC and Integration with the existing VTS device conforming to AIS:140 already fitted in the buses of PRTC by M/s EON Infotech Ltd.	As mentioned in the tender document.	116Nos
2	Last date of downloading/ uploading (submission) of documents		18/07/2023 at 05.00 PM.
3	Website		http://tenderwizard.com/PUNJAB
4	Earnest Money (Refundable)		Rs. 2.00 lakhs
5	Payment mode		<u>By making on-line payment through NEFT/RTGS/ IPG/ Net Banking.</u>
9	Telephone Contact No. of PRTC		Helpdesk no. for technical query, timings 7.30 am to 2:00pm, 0175-2311715-16-17
7	Last date and time for queries (submitted by email). Contact and Email id		03/07/2023 upto Hours ISTE mail id:prtc.itcell@gmail.com Phone:0175-2311715-16-17
8	Pre-Bid Meeting		07/07/2023 at 11:00 AM in the office of MD PRTC, Head Office, Nabha Road, Patiala.
9	Date of Technical Bid opening		19/07/2023 at 11.00 AM
10	Date of Financial bid opening		To be informed later
11	Bid validity		180 days
12	Signing of Contract		Will be communicated later.
13	Participation requirement: -For participating in the above e-tender, the agencies/ tenderer shall have to get themselves registered with		

<p>http://tenderwizard.com/PUNJAB and get user ID & password. Digital Signature Certificate (DSC) is mandatory to participate in the e-tendering process.)</p>
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Managing Director,
PRTC, Patiala.

TENDER DOCUMENT
TERMS & CONDITIONS

Online e-tender is invited in two bid system (technical & commercial) for supply, installation of fuel monitoring device in the buses of PRTC and integration with the existing VTS device conforming to AIS:140 already fitted in the buses of PRTC by M/s EON Infotech Ltd. to monitor the consumption of fuel in the buses of PRTC.

1 DISCLAIMER:

This online tender is being floated by the PRTC for inviting reputed companies from PAN India to install Fuel Monitoring Device for tracking and monitoring the fuel consumption in fuel tanks of PRTC buses which are already equipped with AIS:140 VTS devices. After successful installation of Fuel Monitoring Device for tracking and monitoring the fuel consumption, PRTC seek for integration of Fuel Monitoring device with existing VTS AIS: 140 devices already installed in the buses of PRTC by M/s EON Infotech Ltd. using combination of mobile communications (3G/4G/5G/LTE) and Global Positioning Satellite (GPS). PRTC further seeks online support from prospective bidders for generation of MIS Reports using existing vendor M/s EON Infotech Ltd. Software / portal as per the requirements of PRTC for a period of 03 years. While the online tender has been prepared with due care and caution, PRTC or any of its employees or advisors do not accept any liability or responsibility for the accuracy, reasonableness or completeness of the information, or for any errors, omissions or mis statements, relating to any feasibility or any other reference document mentioned, implied or referred herein or pertaining to the Fuel Monitoring Device for monitoring the fuel consumption. Bidder should carefully examine and analyze the online tender and bring to the notice of PRTC any error, omission or inaccuracies therein that are apparent and must carry out its own investigation with respect to all matters related to this tender, seek professional advice on technical, financial, legal, regulatory and taxation matters and satisfy himself of consequences of entering into any agreement and/or arrangement relating to this tender. **No representation or warranty is given as to the reasonableness of forecasts or the assumptions on which this online tender may be based.** Liability therefore, if any, is hereby expressly disclaimed. PRTC may in their absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this online tender as per its requirements.

2. BRIEF OVERVIEW:

- a. Pepsu Road Transport Corporation came into existence on October 16, 1956 with a meagre fleet of 60 buses and only 15 routes covering 11,107 KMs daily having 345 employees on its rolls. As on date the sanctioned fleet of PRTC is 1075 buses for operating 3,56,163 KMs in the States of Punjab, Haryana, Himachal, U.T., Delhi, U.P., Uttaranchal, Rajasthan and J&K. At present PRTC have

1142 buses in various categories. PRTC has total of 3993 employees in different categories. In addition to these employees, PRTC has approx. 4585 pensioners/family pensioners and PRTC is paying approx. Rs.7.54 crore per month as pension only to its retired employees.

- b.** PRTC is a Public Sector Undertaking owned by the State Government and the Central Government (Northern Railway). The Corporation is headed by a Chairman appointed by the State Government and it is administered by body corporate consisting of such members as may be appointed by State Government and two members by the Central Government. The Managing Director and the Chief Accounts Officer-cum-Financial Advisor are appointed by the State Government under section 14 of the said Act. The Managing Director is the Executive Head of the Corporation under Section 15 (1). The Head office of PRTC is situated at Nabha Road, Patiala. PRTC has 9 depot and 17 bus stands across the Punjab as detailed below:

Sr.No.	Name of the Depot	Name of Bus Stands under the control of respective depot
1	Patiala	Patiala, BassiPathana, Patran, Amloh, Sirhind
2	Sangrur	Sangrur, Moonak, Ahmedgarh
3	Chandigarh	Zirakpur
4	Bathinda	Bathinda, Talwandi Sabo, Rama Mandi
5	Budhlada	Budhlada
6	Faridkot	Faridkot
7	Kapurthala	Kapurthala, Phagwara, SultanpurLodhi
8	Barnala	–
9	Ludhiana	–

b.) Brief Scope:

- (i) The Successful Bidder is to install Fuel Monitoring Device for tracking and monitoring the fuel consumption in fuel tanks of PRTC buses which are already equipped with AIS:140 VTS devices. After successful installation of Fuel Monitoring Device for monitoring the fuel consumption, PRTC seek for integration of Fuel Monitoring device with existing VTS devices conforming to AIS: 140 standards already installed in the buses of PRTC by M/s EON Infotech Ltd. using mobile communications and Global Positioning Satellite (GPS). PRTC further seeks online support from prospective bidders for generation of MIS Reports using existing vendor M/s EON Infotech Ltd. Software / portal as per the requirements of PRTC for a period of 03 years. The quantity mentioned in tender document is approximate and can be increased/decreased as per the requirement of PRTC during the validity period of the contract on the same rates and terms & conditions.
- (a) The vehicle will be provided by the General Manager on a fixed time and the successful bidder has to ensure the fitment/Calibration is done within the prescribed time and no scheduled Km of PRTC is missed.
- (b) The Fuel Monitoring Device shall be fitted by the Successful bidder by due diligence and while fitting the same no electronic device already fitted in the bus or any other mechanical device, wires etc fitted in bus shall be tampered, damaged, unauthorizedly altered.

- (ii) The Successful Bidder is to provide real time automated tracking of Fuel levels in Fuel Tanks of PRTC buses using existing web-based vehicle tracking System provided by M/s EON InfotechLtd .
- (iii) The Successful Bidder is to make arrangement for the annual maintenance of the Device for monitoring the fuel consumption in PRTC buses during the entire concession period of 3 years.
- (iv) The Successful Bidder is to make arrangement for providing generation of reports pertaining to Fuel Monitoring Device for monitoring the fuel consumption in PRTC buses and for tracking of Fuel levels in Fuel Tanks of PRTC buses, the format and frequency of which will be decided as per the requirement of PRTC, using existing web-based vehicle tracking solution provided by M/s EON Infotech Ltd. It will be the duty of the bidder to study the existing system and to tie up with the existing VTS device provider M/s EON Infotech for generation of reports pertaining to Fuel Monitoring Device as per the requirement of PRTC.
- (v) The Successful Bidder is to provide for SMS response system.
- (vi) The Successful Bidder is to integrate Fuel Monitoring Device for monitoring the fuel consumption in **PRTC buses** with IDMS (Integrated Depot Management System), which PRTC may like to introduce in the future, the complete information of which will be provided to Successful Bidder for taking action for making the IDMS functional with Fuel Monitoring Device for monitoring the fuel consumption in **PRTC buses**.
- (vii) Fuel Monitoring Device to be installed by successful bidder, data and reports generated will be the property of PRTC and the successful bidder should make complete data information available to PRTC as per the requirement of PRTC for IDMS project or any other future projects which PRTC may like to introduce in future.
- (viii) The successful Bidder should arrange for tracking and monitoring of Fuel levels in Fuel Tanks of PRTC Buses with the Fuel Monitoring Device with integration of the existing VTS AIS: 140 device already installed in the buses of PRTC by M/s EON Infotech Ltd. using over RS232 port using the protocol as given at annexure "C".
- (ix) The Successful Bidder should make arrangement for tracking the fuel consumption pattern and any abrupt drop in level of HSD either due to any mechanical defect or due to any act of pilferage.
- (x) The Successful Bidder should provide for the real time consumption of diesel of fuel tank refueling or instances of sudden drop of fuel level by installing suitable FMD for monitoring the pattern of outflow of fuel from the fuel tank of PRTC buses.
- (xi) Initially, the Fuel Monitoring Device will be installed in Fuel tanks of 116ordinary buses hired under Km scheme by PRTC.

C. Aims & Objectives:

Provide various standardized reports pertaining to pattern of consumption of fuel and instances of abrupt drop in level of HSD either due to any mechanical defect or due to act of pilferage.

D. Purchase Of Fuel Monitoring Device for monitoring the fuel consumption in PRTC buses.

- (a) The project involves cost of Fuel Monitoring Device, installation of the device in the buses of PRTC and integration of Fuel Monitoring device with existing VTS AIS: 140 device already installed in the buses of PRTC by M/s EON Infotech Ltd. using

combination of mobile communications (3G/4G/5G/LTE) and Global Positioning Satellite (GPS). PRTC further seeks online support from prospective bidders for generation of MIS Reports using Software / portal of the existing vendor M/s EON Infotech Ltd. as per the requirements of PRTC for a period of 03 years. The said Fuel Monitoring Device should be billed in the name of Managing Director, PRTC and these devices will be the property of PRTC.

- (b) It will be the duty of the bidder to study the existing system and to tie up with the existing VTS device installed by M/s EON Infotech for generation of reports pertaining to Fuel Monitoring Device as per the requirement of PRTC. Bidder may contact M/S Eon Infotech Ltd. On e-mail addresssales@eoninfotech.com and Contact no0172-5044700,701, 9779042118
- (c) PRTC further seeks Repair and Maintenance of the Fuel Monitoring Devices installed on the buses for a period of 03 years.
- (d) The purchase will be made on the basis of lowest Rates. (L-1 rates) as indicated in financial bid at annexure"B".

3 Submission of bids and observations regarding Online Tender Documents:

3.1 Submission of Bids:

The interested bidders are to submit their bids online as per date and time mentioned in the e-tender notice.

3.2 Observations Regarding Online Tender Documents:

- (i) In case any bidder has any observation regarding the terms and conditions of the ONLINE TENDER document it should be submitted in the office of Managing Director PRTC within 10 days from the date of issuance of the e-tender document. After lapse of stipulated period, no query will be entertained. M.D. PRTC reserves the right to respond or not to respond to such queries. Any subsequent clarifications/amendments issued by PRTC for ONLINE TENDER document will be notified to all the bidders within 7 days from the date of receipt of such observations.
- (j) In case of any amendment in the terms and conditions of the RFP the same will be notified to the bidders. This amended e-tender document will override all previous communication on this subject. It should be carefully noted that no conditional bid will be acceptable from any bidder.

4. ELIGIBILITY CRITERIA:

- (i) The bidder should be a single business entity incorporated under the Companies Act, 1956 or under the Companies Act, 2013 or under Limited Liability Partnership Act, 2008 or under equivalent laws in the country of jurisdiction. The certificate of incorporation of the entity should be attached.
- (ii) The bidder should have experience of executing similar work in State Transport Undertakings/State Transport Department/Govt. of India Department having vehicle strength of atleast100 or more in atleast one year out of any last 5financial years. The bidder should have installed/successfully implemented Fuel Monitoring Devices on atleast 100 vehicles during the last 3 years with at least one single installation on more than 50 vehicles. A copy of award of work and the successful completion

certificate of similar works should be attached as a part of the ONLINE TENDER response.

- (iii) The bidder shall confirm to and will represent by way of undertaking that it will supply the Fuel Monitoring Devices conforming to the minimum technical specifications provided in clause 27 of the tender document compliant to the parameter listed therein.
- (iv) The bidder shall be ISO 9001:2015 certified company. The bidder should attach a copy of certificate.
- (v) The Bidder should have sufficient technical skilled manpower having sufficient experience to develop and implement customized IT applications integrating GPS, Geographical Information System (GIS) and other parameters required by the PRTC accessible through web-based applications. The details to be attached along with bid documents.
- (vi) The bidder should have positive Net worth during the last financial year. A proof of the same should be attached.
- (vii) The bidder should have Minimum Average Annual turnover of Rs.1 Crore or more during the three financial years out of proceedings last five years i.e. 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22. The bidder should submit a certificate from the Chartered Accountant duly certified with his ID to this effect. Such certificate should be supplemented with calculations and its computational details.
- (viii) The bidder should submit a copy of Financial Statements for the last 5 financial years, i.e. 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22.
- (ix) The bidder should submit a copy of ITR for last five financial years, i.e. 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22.
- (x) The bidder should not indulge in corrupt and fraudulent practices which are prohibited by applicable laws of Government of India or Punjab Government. An undertaking on the company letter head signed by authorized signatory should be provided.
- (xi) The bidder should provide a copy of valid GST registration No. and PAN No.
- (xii) The bidder should provide undertaking that the bidder and/or its directors are not blacklisted by any organization.
- (xiii) Bidder is to submit the bid security or Earnest Money Deposit Rs.2.00 lakhs alongwith the bid documents.
- (xiv) All relevant rules mentioned in the PFR are also applicable. Also, the contract will be awarded according to the norms and rules as per 'The Punjab Transparency in Public Procurement Act, 2019' and 'The Punjab Transparency in Public Procurement Rules, 2022.

5. DEFINITION & ABBREVIATIONS:

In this ONLINE TENDER, the following word (s), unless repugnant to the context or meaning thereof, shall have the meaning(s) assigned to them herein below:

- (i) "**Bid**" means the proposals submitted by the Bidder(s) in response to this online tender in accordance with the provisions laid down along with all other documents forming part and in support thereof.
- (ii) "**Bidder**" means any business entity, as mentioned eligible criteria, which submits a Bid along with Bid Security/EMD and all other documents mentioned in eligible

criteria and financial bid in response to this online tender within the time stipulated for submission of Bids. Bidding documents should be signed by authorized signatory of the business entity as mentioned in eligible criteria.

- (iii) **"Bid Security/EMD"** shall have the meaning assigned to it in the tender document.
- (iv) **"Bidding Process"** means the process of selection of the Successful Bidder through competitive bidding and includes all the stages from the submission of Bids to signing of agreement with the successful bidder as set forth in the online tender document.
- (v) **"Bus Stop"** means a place earmarked on the route of buses where buses stop for a short duration for boarding of passengers into the buses and disembarking of passengers from the buses.
- (vi) **"Bus Terminal"** means the terminals from where the bus(es) starts or ends their trip(s) under the operational control of PRTC.
- (vii) **"Commencement Date"** means the date prescribed by PRTC for commencement of the monitoring of fuel consumption through Fuel Monitoring Device integrated with Vehicle Tracking System.
- (viii) **"Concession Agreement"** means the Agreement between PRTC and the Successful Bidder through which PRTC will grant the rights to the Successful Bidder to install and maintain the Fuel Monitoring Device for monitoring consumption of fuel and its Integration with already fitted VTS devices in PRTC K.M. Scheme buses.
- (ix) **"Concessionaire"** means the Successful Bidder with whom PRTC shall enter into the Concession Agreement for installation, integration and maintenance of Fuel Monitoring Device for monitoring consumption of fuel.
- (x) **"Concession Period"** shall be for a period of three years. Concession period shall be commencing from the date of signing of the Concession Agreement by PRTC and the Successful Bidder provided however that in the event of earlier termination of the Concession Agreement, **"Concession Period"** shall mean and be limited to the period commencing from the date of signing of the Concession Agreement and ending with the date of termination of the Concession Agreement.
- (xi) **"Competent Authority"** means Managing Director, PRTC or any other officer nominated by Managing Director, PRTC.
- (xii) **FMD** means a Fuel Monitoring Device installed in or on the Fuel Tank of the bus for monitoring the consumption of HSD or any abrupt drop in level of HSD either due to any mechanical defect or due to any act of pilferage.
- (xiii) **"Pilferage"** means any amount of diesel drained out from the diesel tank of the bus.
- (xiv) **"PRTC"** means the PEPSU ROAD TRANSPORT CORPORATION and its authorized successors and assigns at all times.
- (xv) **"PRTC Bus"** means any passenger vehicle operated by PRTC either owned or hired under Kilometer Scheme.
- (xvi) **"PRTC Representative"** means any person duly authorized by PRTC for the purposes for contacting during the procurement process of this ONLINE TENDER as well as from the date of signing of agreement to its implementation of this project during the period of 3 years and further period of 2 years.
- (xvii) **"Letter of Acceptance" or "LOA" or "Award of contract" or "AOC"** means the letter issued by PRTC to the Successful Bidder to undertake and execute the Project in conformity with the terms and conditions set forth in the online tender
- (xviii) The terms **"Successful Bidder"/"L1 Bidder", "and / or Vendor"** shall mean the Bidder who qualifies the technical evaluation stage, Live Demonstration stage and

the financial evaluation stage of this online tender and as a result of procurement to whom a Letter of Acceptance is issued by PRTC.

- (xix) **"Scope of Work"** shall mean the work of installation of Fuel monitoring Devices and its integration with existing VTS devices conforming to AIS:140 already fitted in the buses of PRTC by M/s EON Infotech Ltd. monitoring consumption of fuel and Repair and Maintenance Charges for the FMD with online support for generation of MIS Reports using VTS software / portal of the existing vendor M/s EON Infotech Ltd as per the requirements of PRTC for a period of 03 years.
- (xx) **"Technical Committee"** shall have the meaning the committee constituted by PRTC to review the project during various stages and also the single point of contact for the vendor.
- (xxi) **"Similar work"** means the project of installation and successful operation of Fuel Monitoring Devices in transport vehicle of State Transport Undertaking/State Transport Department / Govt. of India Department on atleast 100 vehicles during the last 3 years with at least one single successful installation and operation on more than 50 vehicles.
- (xxii) Any other term(s), not defined herein above but defined elsewhere in this online tender shall have the meaning(s) assigned to such term(s) therein and shall be deemed to have been included in this Section.

6. DOCUMENTS CONSTITUTING BID

The bid documents constituting the Bid shall be as follows:

(i) Technical bid

The Technical Bid should be in the form and manner set forth in **Annexure "A"** of this online tender. Bidder has to fill the entire coloured cells in technical bid document.

(ii) Live Demonstration:

The bidders who qualify for the technical bid will be required to give a live demonstration of the FMD and the integration of FMD with the existing VTS software operated by M/s EON Infotech Ltd as a part of technical evaluation at a place and time intimated by the PRTC. Atleast 07 days notice will be given to the bidders for the same. Company which are unable to give a working demo of FMD will be rejected from the tender process. The following must be shown as the part of demonstration:-

- Real Time Automated Tracking of Fuel Level in Fuel Tank of PRTC buses.
- Graphical Pattern of outflow of Fuel and refueling of Fuel Tank of the bus.
- MIS Reports generation as per the requirements of PRTC
- Integration of bidders FMD with existing VTS devices installed by M/s EON Infotech Ltd. of the PRTC.
- SMS alert due abrupt drop in level of fuel in the fuel tank of the bus due to any mechanical failure or any act of pilferage.

(iii) Financial bid

Financial bid of only those bidders who fulfill all the eligibility criteria as laid down on the basis of details furnished by the bidder in technical bids and those who qualifies in the Live Demonstration shall be opened. The Financial Bids should be in the form and manner set forth in **Annexure "B"** of this online tender and will be available in the format of BOQ sheet on e-procurement site of Punjab Govt. Bidder has to fill the entire coloured cell in financial bid document.

7. PREPARATION OF BIDS: -

(i) **Language of bid**

The language of bid should be English only, including all the documents to be attached.

(ii) **Bid currencies**

All prices quoted in the Bid shall be quoted in Indian National Rupee(s) (INR).

(iii) **Format of bid security or earnest money deposit ("EMD")**

Interested bidder who wish to participate in the tender should pay Rs.2,00,000/- (Rupees Two Lacs only) as EMD through online through website www.tenderwizard.com/PUNJAB while submitting bid via e-Payment (IPG, Net Banking or NEFT and OT only) shall be accepted. The tender without Earnest Money shall not be valid and will not be considered.

(iv) **Validity of Bid:**

The bid will remain valid for six months from the date of issuing of bid document.

8. PRE-BID MEETING: -

- (i) A pre-bid meeting shall be held for any clarifications and replies to the queries raised by prospective Bidders on 07/07/2023 at 11:00 AM in the Office of Managing Director PRTC, Head Office, Nabha Road, Patiala.
- (ii) If any bidder has queries/clarifications regarding terms and conditions and contents of tender documents, it can be raised in pre-bid meeting. Bidder can bring the text of the relevant questions to be raised in the Pre-Bid Meeting and the response to queries shall be responded back to the bidders within 7 working days.
- (iii) After the response to queries/clarifications of bidders in pre-bid meeting and with or without amendments of terms and conditions of tender documents as result thereto, the terms and conditions of the online tender document will be frozen and no further queries will be entertained.
- (iv) Non-attendance at the Pre-Bid Meeting will not be a cause for disqualification of a Bidder. However, if amendments are made in the terms and conditions of the tender after the pre bid meeting, these changes will be binding on all the Bidders irrespective of their attendance at the Pre-Bid Meeting.
- (v) PRTC may, at its sole discretion, extend the Deadline for Submission of Bids.

9. COMPLETENESS OF BIDS & RECTIFICATION OF ERRORS

- (i) PRTC will examine the Bids to determine whether these are complete, whether these meet all the eligibility conditions and requirement of documents of the online

tender and whether the documents have been properly signed by authorized persons and the Bids are generally in order. If there is a discrepancy between words and figures, the amount in words shall prevail.

- (ii) **Clarification regarding contents of Bid documents:** During evaluation of Bids, PRTC may, at its discretion, ask the Bidder for clarification regarding contents of Bid documents submitted by bidder. The request for clarification and the response shall be in writing. If the response to the clarification is not received by PRTC before the expiration of the deadline for submission of written reply, PRTC reserves the right to make its own reasonable assumptions at the total risk and cost of the Bidder.

10. REJECTION OF BID

A Bid is likely to be rejected by PRTC without any further correspondence, as nonresponsive, if:

- (i) Bid is not submitted in the manner as prescribed in the online tender and is otherwise not in conformity with the terms and provisions of this online tender document; or
- (ii) Bid is not submitted in the bid-forms annexed in the online tender document; or
- (iii) Bid is submitted by telex, fax or email, or
- (iv) Bid Security does not conform to the provisions set forth in this online tender.
- (v) If at any stage it is found that the documents submitted along with or any claims made by the company is not genuine and are forged documents.
- (vi) Failure of any one (or more) of the conditions set forth herein above shall result in rejection of Bid.
- (vii) Conditional and/or vague offers
- (viii) Unsatisfactory past performance of the bidder.
- (ix) Rates have been shown elsewhere than **online Financial/Price Bid**
- (x) Items with major changes/deviations in the specifications /standard/grade/ packing /quality are offered in **Technical Bid**.
- (xi) Submission of misleading/contradictory/false statement or information and fabricated / invalid documents.

11. Return of Bid Security :-

- (1) Bid Security of the bidders whose bid is rejected in technical evaluation shall be returned upon the completion of technical valuation.
- (2) Bid Security of all the remaining bidders except the L1 bidder/ successful bidder shall be returned upon the completion of financial evaluation.
- (3) Bid Security of the L1 bidder/successful bidder shall be returned once the L1 bidder/successful bidder has signed the Contract and furnished the required performance security or shall be adjusted against the performance security of payment under contract, as the case may be.

12. CRITERIA FOR EVALUATION OF BIDS

12.1 Criteria for evaluation of technical bids

The Technical Bid (s) shall be evaluated by technical committee constituted by the PRTC for the purpose on basis of following criteria:

- (i) The bidder should be a single business entity incorporated under the Companies Act, 1956 or under the Companies Act, 2013 or under Limited Liability Partnership Act, 2008 or under equivalent laws in the country of jurisdiction. The certificate of incorporation of the entity should be attached.
- (ii) The bidder should have experience of executing similar work in State Transport Undertakings/State Transport Department/Govt. of India having vehicle strength of atleast 100 or more. The bidder should have installed/successfully implemented Fuel Monitoring Devices on atleast 100 vehicles during the last 3 years with at least one single installation on more than 50 vehicles. A copy of award of work and the successful completion certificate of similar works should be attached as a part of the ONLINE TENDER response.
- (iii) The bidder shall confirm to and will represent by way of undertaking that it will supply the Fuel Monitoring Device conforming to the minimum technical specifications provided in clause 27 of the tender document compliant to the parameter listed therein.
- (iv) The bidder shall be ISO 9001:2015 certified company. **The bidder should attach a copy of certificate.**
- (v) The Bidder should have sufficient technical skilled manpower having sufficient experience to integrate FMD with existing VTS devices installed by M/s EON InfotechLtd.. The details to be attached along with bid documents.
- (vi) The bidder should have positive Net worth during the last financial year. A proof of the same should be attached.
- (vii) The bidder should have Minimum Average Annual turnover of Rs.1 Crore or more during the three financial years out of proceedings last five years i.e. 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22. The bidder should submit a certificate from the Chartered Accountant duly certified with his ID to this effect. Such certificate should be supplemented with calculations and its computational details.
- (viii) The bidder should submit a copy of Financial Statements for the last 5 financial years, i.e. 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22.
- (ix) The bidder should submit a copy of ITR for last five financial years, i.e. 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22.
- (x) The bidder should not indulge in corrupt and fraudulent practices which are prohibited by applicable laws of Government of India or Punjab Government. An undertaking on the company letter head signed by authorized signatory should be provided.
- (xi) The bidder should provide a copy of valid GST registration No. and PAN No.
- (xii) The bidder should provide undertaking that the bidder and/or its directors are not blacklisted by any organization.
- (xiii) The bidder should ensure that he should, within 30 days from the date of signing of agreement, either himself or through its business partners, have local presence in Punjab in the districts of atleast 6 depots of PRTC and Punjab Roadways. An undertaking to this effect may also be enclosed.
- (xiv) Bidder is to submit the bid security or Earnest Money Deposit Rs.2.00 lakhs alongwith the bid documents.
- (xv) All relevant rules mentioned in the PFR are also applicable. Also, the contract will be awarded according to the norms and rules as per 'The Punjab Transparency in

Public Procurement Act, 2019' and 'The Punjab Transparency in Public Procurement Rules, 2022.

12.2 Live Demonstration:

The bidders who qualify for the technical bid will be required to give a live demonstration of the FMD and the integration of FMD with the existing VTS software operated by M/s EON Infotech Ltd as a part of technical evaluation at a place and time intimated by the PRTC. Atleast 07 days notice will be given to the bidders for the same. Company which are unable to give a working demo of FMD will be rejected from the tender process. The following must be shown at the part of demonstration:-

- Real Time Automated Tracking of Fuel Level in Fuel Tank of PRTC buses.
- Graphical Pattern of outflow of Fuel and refueling of Fuel Tank of the bus.
- MIS Reports generation as per the requirements of PRTC
- Integration of bidders FMD with existing VTS devices installed by M/s EON Infotech Ltd. of the PRTC.
- SMS alert due abrupt drop in level of fuel in the fuel tank of the bus due to any mechanical failure or any act of pilferage.

12.3 Criteria for evaluation of financial bids

- (i) Financial bid of only those bidders who fulfill all the eligibility criteria as laid down on the basis of details furnished by the bidder in technical bids and those who qualified in Live Demonstration shall be opened. The tender will be awarded to the bidder having lowest bid value.
- (ii) The bidder shall have to quote for Costof Fuel Monitoring Device to be purchased by the PRTC includingits installation and recurring chargesfor Repair and Maintenance Charges for the FMD with online support from bidders for generation of MIS reports using VTS Software / portal of the existing vendor M/s EON Infotech Ltd. as per the requirements of PRTC for the period of 03 years which is to be paid on monthly basis. The bidder should also expressly write the warranty period of Fuel Monitoring Device.

13 FORFEITURE OF BID SECURITY

The Bid Security of a Bidder shall be forfeited in the following events:

- (i) If a Bidder withdraws the proposal during the period of Bid validity.
- (ii) In the case of a Bidder fails to sign the Agreement or fails to furnish the required performance guarantee with in stipulated time in accordance with General Conditions of Contract set forth herein.
- (iii) If at any later stage it is found that the bidder has provided incorrect/misleading information and documents.

14 RIGHT OF THE PRTC TO ACCEPT OR REJECT ANY/OR ALL BIDS

PRTC reserves the right to accept or reject any Bid in its sole discretion, and to cancel the bidding process and reject all bids without assigning any reason

whatsoever at its sole discretion at any time before issuance of a Letter of Acceptance without incurring any liability.

15 NOTIFICATION TO SUCCESSFUL BIDDER

Before the expiry of the period of validity of the Bid, PRTC shall notify the Successful Bidder in writing by registered mail / through email that its Bid has been accepted and issue the Letter of Acceptance to such Successful Bidder.

16 SIGNING OF AGREEMENT

Bidders should note that in the event of acceptance of its Bid, the Successful Bidder would be required to execute the Agreement, with such modifications thereto/therein as may be considered necessary by the PRTC at the time of finalization of the Concession Agreement. Accordingly, PRTC hereby reserves the right to modify the terms of the Draft Concession Agreement. It is further clarified that the issuance of the Letter of Acceptance shall be followed by signing of the Concession Agreement (as aforesaid) and thereafter the Successful Bidder shall commence installation of Fuel Monitoring Device with integration of existing VTS devices already installed in PRTC. The signing of the Concession Agreement shall be completed within Thirty (30) days after the issuance of the Letter of Acceptance to the Successful Bidder or within such extended time frame as extended by PRTC in its sole discretion. The Terms and Conditions of the online tender document will form a part of the agreement.

17 PERFORMANCE SECURITY/PERFORMANCE BANK GUARANTEE

The Successful bidder should within 15 days from the date of issuance of Letter of Award but before entering into contract with PRTC shall give Performance Security in the shape of Bank Guarantee/FDR at the rate of 10% of the value of contract. Such Bank Guarantee should be valid for the period of 42months and is should be by way of FDR/Irrevocable Bank Guarantee issued by Scheduled Commercial Bank in India in favour of Managing Director, PRTC.

The amount of Performance Bank Guarantee should be enhanced if the value of contract is increased by way of addition in number of FMD due to increase in the strength of PRTC buses.

18 PAYMENT :-

The payment shall be made to the Successful bidder as under:

(i) Payment of Capital Cost(CAPEX):

- a. 75% of the CAPEX (including material cost plus installation charges)plus applicable GST and other applicable taxes of Fuel Monitoring Device will be paid

to the bidder after installation, commissioning and due testing of Hardware (FMD) as well integration of the Fuel Monitoring Device with the existing VTS devices conforming to AIS:140 already fitted in the buses of PRTC by M/s EON Infotech Ltd. in atleast 90% of the number of buses given in the agreement. The testing of operation of system may be assigned to any third party as may be decided by the Managing Director, PRTC.

- b. Balance 25% of the CAPEX will be released in equal 36 installments along with Operation/recurring payments.

(ii) Payment of Recurring Charges:

Payment of Repair and Maintenance Charges for the FMD with online support from bidders for generation of MIS Reports using VTS Software / portal of the existing vendor M/s EON Infotech Ltd. as per the requirements of PRTC for a period of 03 years will be made in equal 36 installments on receipt of invoices from the successful bidder on monthly basis. The rate of recurring charges will be per month per FMD device plus applicable GST and other applicable taxes. Payment will be started only after successful installation and implementation, commissioning and due testing of Hardware as well Software integration of the Fuel Monitoring Device with the existing VTS device conforming to AIS:140 already fitted in the buses of PRTC by M/s EON Infotech Ltd. for monitoring consumption of fuel on all the buses of PRTC.

19 INSURANCE/RESPONSIBILITY

Insurance shall be the responsibility of successful bidder. The Successful bidder shall provide for insurance coverage for all items against transits risk, Accident to acquisition, Transport delivery up to destination and accident in trial and testing of Hardware.

20 INSPECTION OF MATERIAL

- (a) Inspection of hardware will be carried out at Head Office (Central Workshop ,PRTC) by the person/Competent authority.
- (b) Supplier shall furnish Test Certificates of Government Authorized Testing agency for all components purchased with own in-house inspection report.
- (c) All costs towards such testing of Government authorized testing agency shall be borne by supplier and he should also make arrangements for the testing of hardware supplied, within scope of technical parameters of e-tender.
- (d) Any modification or any changes in scope of work or technical specifications done by PRTC will be notified to successful bidder and successful bidder have to comply with these changes without any dispute and argument. (No extra cost will be paid by PRTC for such modifications or changes).

21 TRAINING:-

The successful bidder will impart training to the person authorized by PRTC to operate the Fuel Monitoring Device and to generate the report from the Software of the system without any additional cost.

22 GUARANTEE:-

The supplier at the time of entering into contract shall give a guarantee against technical and manufacturing defects in materials supplied and free replacement of defective materials at his own cost for a period of 12 months from the date of successful installation of Fuel Monitoring Devices.

23 **EXTENSION FOR DELAY:-**

If the supply is delayed by (1) Force Majeure, (2) Serious loss damage by fire, (3) Strike, Bandh, Curfew, Rally, Heavy rains, Flood, Cyclone, Earthquake or Natural Calamities occurs, (4) Electricity staggering, (5) Any other case, which is beyond the control of successful bidder, Managing Director, PRTC reserves the right to condone the period of such delay and to grant such extension in performance of contract as he deems fit and reasonable on the basis of facts and circumstances of the case.

24 **REMOVAL AND CHANGE OF DEVICES IN CASE OF DEFECT:-**

For any Deficiency in hardware and software during the delivery period is noted by PRTC, the successful bidder shall initiate immediate remedial actions for replacement or removal of deficiency as required by PRTC.

- (i) In case of replacement of the Fuel Monitoring Device, the buses will be provided by the General Manager of the depot as per the time schedule and the successful bidder will ensure that no scheduled time of the bus is missed while replacing the defective device.
- (ii) In case any scheduled time of the bus is missed while replacement of the defective device, suitable penalty can be imposed for the financial loss suffered by the corporation or the operator of the bus.

25 **PENALTY CLAUSE:-**

26 **Repair of Non-functional FMD and replacement of Defective FMD:** After installation, operation, commissioning and due testing of Hardware as well Software integration of the Fuel Monitoring, during the operation of Fuel Monitoring Device, if it is found that FMD is non-functional [it means not receiving Alerts(SMS/Email) and standardized MIS Reports (Graphs, Text, GIS Map) as desired] for the period of more than 8 hours in a day, then the person authorized by concerned Depot-in charge/PRTC will intimate the authorized person of successful bidder within 24 Hours to repair/replace the non-functional/defective FMD. The successful bidder should make arrangement for repair/replacement of defective Fuel Monitoring Device within 72 Hours. If defective FMD is not repaired/replacement within the period of 72 Hours, then the penalty at the rate of Rs.200/- per day per non-functional Fuel Monitoring Device will be deducted from the monthly operational bill of the concerned month.

27 **Non-functional Dash Board and non-responsive software:**

If the Dash Board of Fuel Monitoring Device does non-functional and no report could be generated by the System for continuous period of 2 days, then the person authorized by

concerned Depot-in charge/PRTC will intimate the authorized person of successful bidder within 24 Hours for making the non-functional Dash Board functional/for making Software response for generation of requisite report within 48 Hours. If the Dash Board is not made functional or software is not made response for generation of requisite reports within the period of 48 Hours, then the penalty at the rate of Rs.2000/- per day will be deducted from the monthly operational bill of the concerned month. But any modification in Software is made by successful bidder to meet the requirement of PRTC and the Dash Board remained non-functional or software remains non-responsive then no such penalty is imposed.

28 TERMINATION OF CONTRACT:

If Fuel Monitoring Device does not function continuously for the period of 15 days due to technical failure on the part of successful bidder from the date of intimation of non-functional Dash Board or non-responsive software, termination notice of 7 days will be issued to selected bidder pointing out the instances of the non-functional Dash Board or non-responsive software with an opportunity to rectify the same within 72 Hours. If no rectification is made by the selected bidder within 7 days or no response is received from the selected bidder within 7 days, then his Contract will be terminated and the same will be communicated to the bidder within 2 days.

29 TECHNICAL SPECIFICATIONS FUEL MONITORING DEVICE

General:-

The Technical partner shall be responsible for the following: -

- (a) On board FMD compatible to the GPS devices of AIS :140 +IRNSS standard.
- (b) User access and Integration of Fuel Monitoring device with existing VTS AIS: 140 device of M/s EON Infotech Ltd. already installed in the buses of PRTC using combination of mobile communications (3G/4G/5G/LTE) and Global Positioning Satellite (GPS)
- (c) Online support from prospective bidders for generation of MIS Reports using Software / portal provided by the existing vendor M/s EON Infotech Ltd. as per the requirements of PRTC for a period of 03 years.
- (d) Proper record of Fuel Monitoring Device serial no. fitted in particular bus has to be maintained.
- (e) Developing Dash boards at Head Office level and depot level for monitoring.
- (f) Repair and Maintenance of Fuel Monitoring system for PRTC buses.
- (g) Compatibility of the FMD with GPS devices(AIS :140 +IRNSS).
- (h) Accurate tracking of Consumption, refueling volume, diesel filling volume, diesel drain volume and pilferage and FMD of Accuracy of +/-3%.
- (i) Development of MIS reports for Fuel Monitoring Device during contract period.
- (j) Regular calibration of Fuel Monitoring Device must be done on quarterly basis. Department reserve the right to audit and check the system after calibration.
- (k) Any legal complication related to Automatic Fuel Theft/Monitoring Fuel Monitoring Device accuracy/adverse effect has to be borne by the supplier.
- (l) Accurate MIS reports for inclined area for fuel monitoring system.
- (m) Working of Fuel Monitoring Device in extreme weather conditions.
- (n) System must generate alert and send SMS (integration has to be done by the selected vendor) for Diesel theft Alert/Diesel filling Alert/Tampering of Fuel system with Accurate Date & Time with location and information must be send through email to the authorized

- person of PRTC.
- (o) Report should be both ways (Graphic & Tabular Form).
- (p) After the completion of the project/agreement, repair of the fuel tanks has to be done by the vendor/selected bidder, otherwise the required amount will be deducted from the Bank Guarantee.

Fuel Sensor Technical Specifications:

Mounting	As per Requirement
Fuel	Diesel
Output	RS232Interface
<u>Accuracy desired</u>	>97 %
Characteristic nonlinearity should not be more than	1 %
Operational Temperature	-20 to +65 ° C
Probe MOC	Aluminum or any other reliable material.
Supply Voltage	10-30 V
Ingress Protection rating	IP-67
Cable Length	As per actual requirement based on the model of the bus.
Uptime	98%
Power Source	Bus Battery

30 WARRANTY :-

The supplied FMD should be free from manufacturing defects and manufacturer should offer free replacement for manufacturing defects. In respect of premature failure of Fuel Monitoring Device due to manufacturing defect, warranty will be given by firm. The warranty will start from the date of receipt of Fuel Monitoring Device to concerned Depot. Warranty will be given by firm free of cost and no extra cost will be paid by PRTC during warranty period.

31 MANAGING DIRECTOR'S RIGHTS:-

- (i) The Managing Director, PRTC reserves the right to modify/revoke the order at any point of time without assigning any reason.
- (ii) Managing Director is fully competent to give the relaxation in any terms and conditions of the tender in Public/State interest. The Managing Director, PRTC reserves the right to accept/reject any tender or all tenders without assigning any reason whatsoever at any stage.
- (iii) PRTC may ask for additional documents as proof of claims being made by any bidder during the procurement process.

32 JURISDICTION :-

Any dispute or difference or claim etc. ,shall be subject to the exclusive jurisdiction of the courts situated at Patiala only. No other court shall have the jurisdiction to entertain or try any matter concerning this tender.

33 ARBITRATOR :-

- (a) In case of dispute arising between the parties the parties with regard to interpretation of these terms of tender documents or their fulfillment the dispute shall be referred by the Chairman PRTC, Punjab to any of his nominee for arbitration who will be the Sole Arbitrator and whose decision shall be final and binding on BOTH PARTIES. No Party will approach a court of law without invoking this clause. All disputes arising under the said tender document shall be subject to the jurisdiction of courts to Patiala only.
- (b) The PRTC and supplier both agree to accept the Chairman PRTC or his nominee the Arbitrator, knowing full well the chairman, PRTC is an officer of the PRTC. Further no party shall have the right to go to the court of law for any dispute under this tender document for their fulfillment unless the dispute is first referred to the Sole Arbitrator specified under the agreement. In case of arbitration, fee for arbitration as per the Arbitration and conciliation Act 1996 or as amended from time to time shall be deposited in PRTC by the claimant party with the claim application.

34 CORRIGENDUM / ADDENDUM/ RE-TENDER :-

All corrigendum / addendum / Re-tender pertaining to this tender will be posted online at website <http://tinderwizard.com/PUNJAB> only. Bidders are requested to visit website regularly for information regarding corrigendum/ addendum.

35 CONDITION FOR FINANCIAL BID :-

- (i) Quantities mentioned are indicative and can be increased/ decreased as per actual requirements of PRTC.
- (ii) Tender will be evaluated based on net landed rate for quantities mentioned and Tender will be awarded to firm whose total cost is lowest to PRTC.

36 No hard copy of financial bid is to be submitted in any case.

37 ACCEPTANCE OF TERMS & CONDITIONS: -

Tenders should be accompanied with following declarations regarding acceptance of the terms & conditions contained in the tender that may be submitted with technical bids.

- (i) **I/ we have carefully gone through the tender terms & conditions contained in the online tender documents regarding to supply Fuel Monitoring Device for the buses of Punjab Roadways/PRTC.**
- (ii) **I/ we declare that all the provisions mentioned in the tender document of this Tender term & conditions are acceptable to me/ us and that I/ we have been authorized to make such declaration.**

- (iii) **I/ We will supply the items Fuel Monitoring Device for the buses of PRTC, so purchased from me/ us within the stipulated period.**
- (iv) **I/we or our Directors are not blacklisted by any organization.**

Dated:

**Signature of Authorized
Person of Bidder with
Seal**

ANNEXURE-"A"

TECHNICAL BID			
To,			
The Managing Director, PRTC, Patiala.			
Subject:-	Online e-tender is invited in two bid system (technical & commercial) for supply, installation and operation of fuel monitoring device in the buses of PRTC and integration with the existing VTS device conforming to ais-0140 already fitted in the buses of PRTC by M/s EON Infotech Ltd. for monitoring consumption of fuel.		
Reference No.		Dated:	
We hereby furnish the required details of Pre-qualification as under:			
1	NAME AND ADDRESS OF THE BIDDER		
a	Name of the firm		
b	Office address		
c	Telephone and Fax Number		
d	Email ID		
e	Name of the Authorized person		
f	Contact & E-mail Id		
g	Valid GST No. (Attached copy)		
h	Valid PAN No. (Attached copy)		
2	PRE-QUALIFICATION INFORMATION		
	Turnover details (attach CA certificate)	Turnover Rs. In crores	
a	2017-18		
b	2018-19		
c	2019-20		
d	2020-21		
e	2021-22		
3	DETAILS OF ISO 9001:2008 IN GIS/GPS SERVICES OR CMM LEVEL 3 CERTIFICATION. (Attach Documents)		
4	LIST OF CLIENTS		
	The bidder should have installed/successfully implemented the project of installation of Fuel Monitoring Devices in transport vehicle of State Transport Undertaking/State Transport Department / Govt. of India on atleast 100 vehicles during the last 3 years with at least one single installation on more than 50 vehicles.		

	Name of the firm, Address, Contact person	Details of Purchase order/Supplies made	No. of vehicles mounted with Fuel Monitoring Device.
a			
b			
c			
d			
e			
5	UNDERTAKING		
a	That the Fuel Monitoring Device units being supplied by us are indigenously manufactured/imported.		YES/NO
b	We undertake to supply the entire quantity specified in the Tender as per Delivery Schedule/time line		YES/NO
c	We undertake that the Fuel Monitoring Device unit to be supplied by us meets the technical specifications given in the tender document. (Attach specifications of the unit to be supplied and model name and No. of the Fuel Monitoring Device unit.)		YES/NO
d	We undertake to abide by all the terms and conditions of the Tender		YES/NO
e	We undertake that our Company has never been black listed by any STU/other Government Department since last one year from the date of publishing this tender. (Attached Affidavit)		YES/NO
6	DOCUMENTS TO BE ATTACHED FOR PRE-QUALIFICATION		
a	Online EMD deposited receipt		YES/NO
b	Audited Statement of Accounts for the year 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22		YES/NO
c	Certification of Verification of Turnover issued by the Chartered Accountant in the format prescribed.		YES/NO
d	Certification of ISO 9001:2008 in GIS/GPS services or CMM level 3.		YES/NO
e	Proof of the firm having its presence in India for more than five years (attach proof)		YES/NO
7	SIGNED AND STAMPED COMPLETE TENDER DOCUMENTS ALONGWITH WITH EMD RECEIPT AND SUPPORTING DOCUMENTS ARE UPLOADED.		YES/NO

Note: In case of conditional offer or non acceptance of any clause mentioned, above tender is liable to be rejected and The quantity can be increased or decreased as per the department requirement in the purchase order.

Date:

Signature of Bidder with
Seal

FINANCIAL BID

ANNEXURE "B"

Online e-tender is invited in two bid system (technical & commercial) for supply, installation of fuel monitoring device in the buses of PRTC and integration with the existing VTS device conforming to AIS-0140 already fitted in the buses of PRTC by M/s EONInfotechLtd. for monitoring consumption of fuel.

Tender Inviting Authority :-

Managing Director, PRTC, Head Office, Nabha Road Patiala .

NAME OF FIRM:-

YEAR:- 2023

Sr. No.	Description	Unit Price	Amount (in Rs.)
A	Capital Cost (CAPEX)		
1	Cost of Fuel Monitoring Device including its installation charges (in Rs.)	A1	A1
2	GST on FMD (in %)	A2%	A2
3	Total cost of FMD including Installation and GST (in Rs.)		A1+A2=A3
B	Repair and Maintenance Charges for the FMD with online support from bidders for generation of MIS Reports, SMS alerts using existing vendor M/s EON Infotech Ltd. VTS Software / portal as per the requirements of PRTC for a period of 03 years		
1	Monthly recurring charges per FMD per month for providing services as mentioned at Column "B" above (in Rs.)	B1	B1
2	GST on Monthly recurring charges for Sr. No. B1 (in %)	B2%	B2
3	Total Monthly Recurring Charges for period of 03 years including GST (in Rs.)		$(B1+B2)*36*116$ =B3
C	Total Price including GST (in Rs.)		A3+B3=C

Note:-The Financial Bids of only technically qualified Bidders and those who qualified in Live Demonstration shall be opened and the **Bidder who quoted lowest amount in Sr. No.C will become L-1.**

SCANNED COPIES OF FOLLOWING DOCUMENTS ARE TO BE ATTACHED :-

S. N.	DESCRIPTION	CHECKLIST
1	The certificate of incorporation of the entity should be attached.	
2	A copy of award of work and the successful completion certificate of similar works should be attached	
3	An undertaking that it will supply the Fuel Monitoring Device conforming to the minimum technical specifications provided in clause 27 of the tender document compliant to the parameter listed therein.	
4	The bidder should attach a copy of certificate being ISO 9001:2008 certified company.	
5	Details of technical skilled manpower to be attached having sufficient experience to develop and implement customized IT applications integrating GPS, Geographical Information System (GIS) and other parameters required by the PRTC accessible through web-based applications	
6	Proof of positive Net worth during the last financial year.	
7	A certificate from the Chartered Accountant duly certified with his ID to this effect that the turnover for the last three financial years, i.e., 2019-20, 2020-21 & 2021-22, is Rs.1 Crore or more and it is from IT enabled business. Such certificate should be supplemented with calculations and its computational details.	
8	A copy of Financial Statements for the last 5 financial years, i.e., 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22	
9	A copy of ITR for last 5 financial years, i.e., 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22	
10	An undertaking on the company letter head signed by authorized signatory stating that The bidder should not indulge in corrupt and fraudulent practices which are prohibited by applicable laws of Government of India or Punjab Government.	
11	A copy of valid GST registration No. and PAN No	
12	An undertaking to the effect that the bidder and/or its directors are not blacklisted by any organization.	
13	In case of consortium bid all member of consortium should submit the documents mentioned at Sr. No.(1) to (12)above. The name, designation, name of organization and contact number of authorized representative of consortium should also on letter head of consortium entity.	
14	the bid security or Earnest Money Deposit, i.e. Rs.2.00 lakhs	

Note:-

1. Do not submit/upload any document in any language other than English.
2. Upload only required documents as demanded by tender inviting authority.
3. Do not submit hard copy of **Financial Bid** in any case.

Fuel Sensor Protocol

1. Standard Protocol for RS232

Header Code	Version	Voltage	Liquid Level Value	% of Fuel in the tank	Hardware Code	Fuel volume	Temperature	Frequency of oscillator	Tilt Angle	End Code
*XD	4230	12	0345	845	0	2063	0178	1F4	A	#

Protocol ex. : *XD,4230,12,0345,8450,2063,0178,1F4A#

a. 4230:

- 4 : protocol version 4
- 23 : Firmware Version 23
- 0 : Hardware Version 0

b. 12 is the value of input voltage i.e 12V.

c. 0345 is value of fuel level i.e 345 mm

d. 8450 (% of Fuel in the tank + Hardware Code)

- 845 is the percentage of fuel available w.r.t full tank capacity i.e 84.5%
- 0 :Hardware code

e. 2063 is real time volume of fuel in the tank 206.3 liter

f. 0178 is temperature of fuel 17.8 degree Celsius

g. 1F4A (Frequency of oscillator + Tilt Angle)

1F4 indicates the current frequency of oscillator(1F4 is Hexadecimal)

A indicates the tilt angle of tank(A is Hexadecimal , the value changed to decimal is 10 degree)

1. Hardware Code

Code	Code
0	Normal.
1	System Voltage anomaly

Note:

- 1.Default Protocol,Baud Rate:9600
- 2.Fuel sensor should transmit data at 1 sec interval as per above protocol.