

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
ISRO PROPULSION COMPLEX (IPRC)
MAHENDRAGIRI**

**Tender for Integrated Signal Conditioning and Data Acquisition
System for Proof Pressure Test Facility-II**

Bids to be submitted online

Tender No.: IPRC/PURGP3/IP202300079501 dated 25-08-2023

A. Tender Details

Tender No : **IPRC/PURGP3/IP202300079501**

Tender Date : **25-08-2023**

Tender Classification: **GOODS**

Purchase Entity : **PURGP3**

Centre : **ISRO PROPULSION COMPLEX (IPRC)**

Integrated Signal Conditioning and Data Acquisition System for Proof Pressure Test Facility-II

IMPORTANT NOTE: IMPORTANT NOTE: This is a Two-Part tender i.e. Techno-Commercial Part Containing C.1 (Technical Bid), Supporting Documents required from Vendor, C.2 (Commercial Terms / Bid) and Price Bid . Please note that all technical commercial details without price shall be furnished in the Documents Solicited from Vendor & in Commercial Compliance C.2 (Commercial Terms / Bid) Fields while price shall be indicated only in the Price Bid & a Quotation in PDF format with price shall be uploaded in the Document field marked as "Price Bid Related". PRICE SHALL BE MENTIONED ONLY IN THE PRICE BID FORM & IN THE PRICE BID RELATED FIELD. [ENSURE NOT TO MENTION ANY PRICE ANYWHERE ELSE, OTHERWISE THE QUOTE WILL BE INVALID. PLEASE NOTE BEFORE/WHILE SUBMITTING YOUR OFFERS.

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PLEASE NOTE THE FOLLOWING WHILE SUBMITTING YOUR OFFER:-

- 1) Last minute clarification on tenders will not be entertained.
- 2) This is an E Tender. Hence Postal/Fax/Email tenders will not be accepted. Offer shall be submitted through our E-procurement portal.
- 3) Before submission of bid, the bidder should study all the terms and conditions mentioned in the tender document along with the files attached with the tender.
- 4) MSME preference is applicable only against the claim of a manufacturer and on production of documentary evidence by the manufacturer for the registration for the particular item under MSME.
- 5) For any clarifications regarding this tender, your query should be sent to psogroup3@iprc.gov.in Ph: 04637-281554 clearly mentioning the tender number, within the time period specified in the tender.
- 6) Read the clauses regarding Make In India-Purchase Preference Policy, which is mentioned in the Tender Documents. Give the necessary compliance in the relevant field in the Vendor Specified Terms.
- 7) Foreign vendors/Non-Local Supplier are not permitted to quote.
- 8) Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the

bid.

9) Quotations directly from foreign OEM/ or from agents quoting on behalf of foreign OEMs are not allowed to participate in this tender. Quotation submitted shall be in Indian Rupees Only.

10) The percentage of local content should be specifically mentioned in your offer as per the Make In India Local Content declaration format, as provided in the tender document, and it should be duly approved by the OEM of your quoted product, without which your offer will be summarily rejected.

11) Preference will be given to Class-I Local Supplier. No Purchase preference will be applicable for Class-II Local Supplier.

A.1 Tender Schedule

Bid Submission Start Date : **25-08-2023 16:15**

Bid Clarification Due Date : **12-09-2023 14:00**

Bid Submission Due Date : **25-09-2023 14:00**

Bid Opening Date : **25-09-2023 14:01**

Price Bid Opening Date : **10-10-2023 14:01**

B. Tender Attachments

Technical Write-up/Drawings

Document : Pre-Qualification criteria

Document : Specifications and Scope of work

Instructions To Vendors

2. Important Notice:-Tenders (only Technical Bid) will be opened on the date [Bid Opening Date] specified above. The date of opening of the Price Bid mentioned is indicative only. Price bids of Qualified Vendors will be opened after completing the technical evaluation process. Bidding details can be seen by the participated vendors by logging into ISRO e-procurement portal.

4. Concessional GST :-

1. We are eligible for GST @5% as per the following notifications:-

(a). IGST:- Ministry of Finance, Dept. of Revenue Notification No. 25/2018 Integrated Tax (Rate) Schedule-I; SI.No.243B dated 31.12.2018 (Amendment to Notification No. 7/2018 - Integrated Tax (Rate) dated 25.01.2018 and Notification No. 1/2017 - Integrated Tax (Rate) dated 28.06.2017

(b). CGST:-Ministry of Finance, Dept. of Revenue Notification No. 24/2018 Central Tax (Rate) Schedule-I; SI. No. 243B dated 31.12.2018 (Amendment to Notification No. 6/2018 - Central Tax (Rate) dated 25.01.2018 and Notification No. 1/2017 - Central Tax (Rate) dated 28.06.2017

(c). SGST:-Government of TamilNadu, Commercial Taxes & Registration (B1) Department G.O(Ms) No.18 Dtd. 25/01/2018 & Schedule-I; SI. No. 243 B as per the amendment dated 31.12.2018 (Amendment G.O(Ms)No.170 dated 31/12/2018).

Necessary Concessional GST certificate will be provided along with the P.O.

Please note this and submit your quote accordingly.

5. General Instructions

1. Last minute clarification on tenders will not be entertained.

2. This is an E Tender. Hence Postal/Fax/Email tenders will not be accepted.

3. If a vendor is not able to submit bid against this tender due to any reason, such vendor is requested to post their REGRET message in the e-procurement portal with clear reasons or email to psogroup3@iprc.gov.in. Non submission of bids without regrets will be viewed seriously.

4. IPRC reserves the right to split the tendered quantity in part or whole on its sole discretion without assigning any reason.

5. IPRC has the right to cancel the tender without assigning any reason etc.

6. If any vendor submits forged / false documents along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.

7. Option Clause:-The purchaser reserves the right to increase/decrease the ordered quantity by up to 25-30 percent at any time, till final delivery date (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of the delivery period (or the extended delivery period)

6. [GENERAL TERMS AND CONDITIONS]

1. (I) GST where legally leviable and intended to be claimed should be distinctly shown separately in the tender.

2. (II) a) Facility of after sales service to be confirmed with details. b) Permanent Account Number (PAN) allotted by Income-Tax authorities shall be furnished with documentary proof. Otherwise, documentary proof for having applied for PAN should be provided. Also PAN should be in the name of Company/Firm, if quoted by the Company/Firm and in the name of Individual, if quoted by individual. c) GST No. d) PAN No. e) Local office in Tirunelveli / Nagercoil is preferable. Note: (b) to (e) are applicable for Indian Companies only.

3. (III) Our standard delivery term is FOR, IPRC. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately in Your quotation/E-procurement Price Bid. In case of imported items (stores), Ex-Works/FOB/FCA prices should be indicated.

4. (IV) PAYMENT: Our standard payment term is 100% within 30 days after receipt and acceptance of the items at our site (after installation and commissioning in cases where installation and commissioning is required)-for Indigenous supply.

5. (V) Guarantee / Warranty period as applicable shall be indicated, along with the quote. Guarantee/Warranty shall commence from the date of installation and acceptance of the complete equipment supplied under the contract/purchase order.

6. (VI) LIQUIDATED DAMAGES:Delivery is the essence of the contract. Items shall be delivered within stipulated period. If delivery is delayed beyond the stipulated delivery period mentioned in the purchase order or any extension thereof, an amount equal to 0.5% per week shall be recovered,

subject to a maximum of 10% of the order value shall be deducted from your bills due. For Staggered supply, maximum of 10% of value respective staggered supply lot.

7. (VII) PERFORMANCE BANK GUARANTEE :(If Warranty is applicable/sought in our Tender enquiry) The Supplier shall guarantee the successful and satisfactory performance/commissioning of equipment/machinery under the conditions specified in the Purchase Order. As a performance security, the SUPPLIER shall furnish a performance bank guarantee (format enclosed) from Nationalized Bank/Scheduled Bank for an amount equal to the sum of 3% of the order value ensuring the due performance of equipment/machinery in accordance with all the specifications and terms specified in the Purchase Order herein valid for the warranty period. On due performance, the performance bank guarantee shall be automatically cancelled and returned to the Supplier within 30 days after expiry of the Warranty period. The performance bank guarantee shall have claim period of six months.

8. (VIII) SECURITY DEPOSIT : Wherever the offer price is Rs. 5.00 Lakhs or above, the successful tenderer should submit Security Deposit @ 3% of the order value by way of Bank Guarantee / FD Receipt/DD duly endorsed in favour of Accounts Officer, IPRC or by way of Bank Guarantee (in the prescribed format) within 20 days after receipt of order and valid up to the successful execution of the order. In case if Security Deposit is submitted and the contractor fails to execute the order, then the security deposit will be forfeited.

9. Note: SD, LD and PBG clauses are mandatory [which will be indicated in Tenders] and offers of the vendors who have not agreed for the above conditions will be excluded from the procurement process. Micro and Small Vendors are not exempted from the submission of Security Deposit. Only Govt Departments/PSUs/PSEs can submit Indemnity Bond instead of Bank Guarantee towards SD/PBG.

10. (IX) IPRC reserves the right to accept or reject any quotation in full or part thereof by recording the reasons.

11. (X) IPRC shall not be responsible for failure of vendors in submitting bids online caused due to technical reasons at vendor end such as network or power failures, computer failure, internet-browser, mistakes / errors in filling the bids on line by vendor etc.

12. (XI) Last minute request for the extension of the due date w.r.t. any technical issue at Vendors/Suppliers side will not be considered. You may submit your quotation online well in advance instead of waiting till the last date to ensure that Internet problem and network condition does not cause problem.

13. (XII) Offers sent through post, telegram, fax, e-mail, courier will not be considered. Partially completed / incomplete tenders shall not be considered.

14. (XIII) Only authorized dealers/agents or their accredited representatives for original manufacturers

have to submit the quotation with documentary evidence.

15. (XIV) The goods or material offered should be strictly as per our specifications. Change(s) in specifications, if any, should be clearly indicated by the supplier in his quotation. The supplier should also indicate make/type No. of the materials or equipment offered. Vague terms such as Best quality, Best Indian, Best Indigenous and Imported make should not be used.

16. (XV) Please upload the Technical Details / Catalogue / Data Sheets (wherever applicable) along with your offer.

17. (XVI) The offer should be valid for a period of minimum 90 days from the date of opening of Tender and 180 Days for PT Two Part (120 Days for Technical Bid and 60 Days for Price Bid from the date of opening).

18. (XVII) If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.

19. (XVIII) Wherever the tenderer is asked to submit sample for evaluation of tenders, the same shall be submitted along with your quote.

20. (XIX) PO will be placed on technically and commercially suitable lowest offer basis and IPRC reserves the right to split the order on L1 basis. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderer shall supply the same at the rates quoted.

21. (XX) Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the BIDDER MUST BE MANUFACTURER OF THE OFFERED PRODUCT in case of bid for supply of goods. TRADERS ARE EXCLUDED from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence along with UDYAM REGISTRATION in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1 plus 15% (Selected by Buyer) of margin of purchase preference/price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total QUANTITY.

22. (XXI) Purchase / Price preference to Make-in-India Products: Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended

from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document 50%. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs. 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in-India) order 2017 dated 04.06.2020 and amendments thereof. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

23. (XXII) ISRO PROPULSION COMPLEX (IPRC) is exempted from payment of Customs Duty under Notification No. 50/2017-Customs dated 30.06.2017 and as amended by Notification No.5/18 Customs dt:25/1/18. For imported items/components in the quoted product [as eligible as per Make In India policy of Govt. Of India], IPRC will provide Customs Duty Partial Exemption Certificate for availing Concessional CD and IGST for the import items/components in the quoted products.

24. (XXIII) Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with Competent Authority as specified in Office Memorandum no.F.No.6/18/2019-PPD, Ministry of Finance, Department of Expenditure, Public Procurement Division dated 23rd July 2020. All the conditions mentioned in the above OM is applicable for this tender

25. (XXIV) The bids shall be in INR only.

26. (XXV) Wherever the tenderer is asked to submit sample for evaluation of tenders, the same shall be submitted along with your quote.

7. Form No. 20

1. [Instructions to Tenderers]

2. a) Your offer should be valid for 90 days from the date of opening of the tender. b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

3. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination/delivery at site.

4. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer. (b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.

(d) Specifications: Stores offered should strictly conform to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

5. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

6. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income-Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

7. The purchaser reserves the right to increase/decrease the ordered quantity by up to 25-30 percent at any time, till final delivery date (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of the delivery period (or the extended delivery period).

8. The authority of the person signing the tender, if called for, should be produced.

9. [Terms and Conditions of Tender]

10. DEFINITIONS:- (a) The term Purchaser shall mean the President of India or his successors or assigns.

11. (b) The term Contractor shall mean, the person, firm or company with whom or with which the order for the supply of Stores is placed and shall be deemed to include the Contractors successors, representative, heirs, executors and administrators unless excluded by the Contract.

12. (c) The term Stores shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing,

should such a condition is included in the Purchase Order.

13. (d)The term Purchase Order shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

14. PRICES: Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

15. SECURITY DEPOSIT: Wherever, the Purchase Order value is Rs. 5.00 Lakhs or more, on acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding three percent of the value of the Contract as the Purchaser shall specify [Please note the exact percentage of Security deposit that will be applicable to the tender will be mentioned in the C.2 Commercial Terms / Bid of the Bid document]. If the Contractor is called upon by the Purchaser to deposit Security and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause regarding Delivery. (b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

16. GUARANTEE & REPLACEMENT: (a) The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance. (b) For a period of twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty. (c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 14 months from the date of acceptance thereof. (d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores. (e) The decision of the Purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the Purchaser, as to whether or not the Stores supplied by the Contractor are defective or any defect has developed within the said period of 12 months or any other period or as to whether the nature of defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor. (f) To fulfill guarantee conditions outlined in (a)

to (e) above, the Contractor shall, at the option of the Purchaser, furnish a Bank Guarantee (as prescribed by the Purchaser)

17. **PACKING FORWARDING & INSURANCE:** The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

18. **DESPATCH:** The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

19. **TEST CERTIFICATE:** Wherever required, test certificates should be sent along with the despatch documents.

20. **ACCEPTANCE OF STORES:** (a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost. (b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final. (c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor. (d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. (c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

21. **REJECTED STORES:** Rejected stores will remain at destination at the Contractor's risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

22. **DELIVERY:**

(a) The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed

to be the essence of the Contract and delivery must be completed on or before the specified dates.

(b) Should the Contractor fail to deliver the stores or any consignment thereof within the period prescribed for such delivery, the purchaser shall be entitled at his option either.

(i) to recover from the Contractor as agreed liquidated damages and not by way of penalty, a sum of 0.5% per week of the price of any stores which the Contractor has failed to deliver as aforesaid or during which the delivery of such store may be in arrears subject to a minimum of 10%, or

(II) to purchase from elsewhere, without notice to the Contractor on the account and at the risk of the Contractor, the stores not delivered or others of a similar description (where others exactly complying with the particulars, are not, in the opinion of the purchaser, readily procurable, such opinion being final) without cancelling the Contract in respect of

the consignment (s) not yet due for delivery, or

(iii) to cancel the Contract or a portion thereof and if so desired to purchase or authorise the purchase of stores not so delivered or others of a similar description (where others exactly if complying with the particulars are not, in the opinion of the purchaser, readily procurable, such opinion final) at the risk and cost of the Contractor.

In the event of action being taken under sub-clause (ii) & (iii) of above, the Contractor shall be liable for any loss which the purchaser may sustain on that account, provided that the re-purchase or if there is an agreement to repurchase then such agreement is made within six months from the date of such failure. But the Contractor shall not be entitled to any gain on such re-purchase made against default. The manner and method of such re-purchase shall be at the discretion of the purchaser, whose decision shall be final. It shall not be necessary for the purchaser to serve a notice of such re-purchase on the defaulting Contractor.

This right shall be without prejudice to the right of the purchaser to recover damages for breach of Contract by the Contractor.

23. EXTENSION OF TIME:As soon as it is apparent that the Contract dates cannot be adhered to, an application shall be sent by the Contractor to the purchaser. If failure, on the part of the Contractor, to deliver the stores in proper time shall have arisen from any cause which the purchaser may admit as reasonable ground for an extension of the time

(and his decision shall be final) he may allow such additional time as he considers it to be justified by circumstances, of the case without prejudice to the purchaser's right to recover liquidated damages under clause mentioned in the heading DELIVERY.

24. ERECTION OF PLANT & MACHINERY:

Wherever erection of a plant or machinery is the responsibility of the Contractor as per the terms of the Contract and in case the Contractor fails to carry out the erection as and when called upon to do so within the period specified by the purchaser, the purchaser shall have the right to get the erection done through any source of his choice. In such an event, the Contractor shall be liable to bear any additional expenditure that the purchaser is liable to incur towards erection. The Contractor shall, however, not be entitled to any gain due to such an action by the purchaser.

25. PAYMENT: Contractor's bill will be passed for payment only after the stores have been received, inspected and accepted by the Purchaser.

MODE OF PAYMENT: Normally payment will be made for the accepted stores within 30 days from the date of receipt of the materials.

26. RECOVERY OF SUM DUE:

Whenever any claim for the payment of, whether liquidated or not, money arising out of or under this Contract against the Contractor, the purchaser shall be entitled to recover such sum by appropriating in part or whole, the security deposited by the Contractor, if a security is taken against the Contract. In the event of the security being insufficient or if no security has been taken from the Contractor, then the balance or the total sum recoverable as the case may be, shall be deducted from any sum then due or which at any time thereafter may become due to the Contractor under this or any other Contract with the purchaser. Should this sum be not sufficient to cover the full amount recoverable, the Contractor shall pay to the purchaser on demand the remaining balance due. Similarly, if the purchaser has or makes any claim, whether liquidated or not, against the Contractor under any other Contract with the purchaser, the payment of all moneys payable under the Contract to the Contractor including the security deposit shall be withheld till such claims of the purchaser are finally adjudicated upon and paid by the Contractor.

27. INDEMNITY:

The Contractor shall warrant and be deemed to have warranted that all stores supplied against this Contract are free and clean of infringement of any Patent, Copyright or Trademark, and shall at all times indemnify the purchaser against all claims which may be made in respect of the stores for infringement of any right protected by Patent Registration of design or Trade mark and shall take all risk of accidents or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for sufficiency of all means used by him for the fulfillment of the contract.

28. ARBITRATION:- In the event of any dispute or difference arising under these terms & conditions or any condition contained in the Purchase Order or in connection with this Contract. (except as to any matter the decision of which is specially provided for by these conditions), the same shall be referred to the sole arbitration of the Head of the Purchase Office or of some other person appointed by him, and the dispute further processed in terms of the Arbitration & Conciliation Act, 1996 and its amendment from time to time. There will be no objection that the arbitrator is a Government Servant that he had to deal with matter which the Contract relates to or that in the course of his duties as Government Servant has expressed views on all or any of the matters in dispute or difference. The award of the arbitrator shall be final and binding on the parties of this Contract.

29. If the arbitrator is the Head of the Purchase Office : (i) In the event of his being transferred or vacating his office by resignation or otherwise, it shall be lawful for his successor in office either to proceed with the reference himself for to appoint another person as arbitrator, or In the event of his being unwilling or unable to act for any reason, it shall be lawful for the Head of the Purchase Office to

appoint another person as arbitrator

30. If the arbitrator is a person appointed by the Head of the Purchase Office, In the event of his denying or neglecting or refusing to act, or resigning or being unable to act, for any reason, shall be lawful for the Head of the Purchase Office either to proceed with the reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator subject, as aforesaid, to the Arbitration and Conciliation Act, 1996, and the rules thereunder and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceeding under the clause. The Arbitrator shall have the power to extend with the consent of the Purchaser and the Contractor the time for making and publishing the award. The venue of arbitration shall be the place as the Purchaser in his absolute discretion may determine. Work under the Contract shall, if reasonably possible, continue during Arbitration Proceedings.

31. COUNTER TERMS AND CONDITION OF SUPPLIERS:Where counter terms and conditions printed or cyclostyled conditions have been offered by the supplier, the same shall not be deemed to have been accepted by the Purchaser, unless specific written acceptance thereof is obtained.

32. SECURITY FOR PURCHASE OF MATERIALS:Successful tenderer will have to furnish in the form of a bank guarantee or any other form as called for by the purchaser towards adequate security for the materials and properties provided by the Purchaser for the due execution of the Contract.

8. PPP Make in India(Non- Divisible Items-Class I & II Local Suppliers Only)

1. In line with Public Procurement (Preference to Make in India), Order 2017 & its amendments issued by Govt. of India from time to time with a view to support the Indian industries, ISRO has implemented "Purchase Preference Policy". The "Purchase Preference" is applicable for the "Class-I Local Supplier" for the goods/ services/ works covered in this tender, subject to the following terms & conditions:-

2. a) The subject item falls under Non-divisible category. b) The offers sought only from Class-I & Class-II local suppliers

3. Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: a)Equal to or more than 50% : Class-I local supplier. b)Minimum 20% but less than 50% : Class-II local supplier. c) Less than 20% : Non-local supplier.

4. 'Local content' means the amount of value added in India (i.e. indigenous items/services added in the offered products/ services/ works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent.

5. The margin of Purchase Preference shall be up to 20%.

6. 'Margin of purchase preference' means the maximum extent to which the price quoted by the "Class-I local supplier" above the L1 (landed cost).
7. 'L1' means the lowest technically accepted tender / bid / quotation (i.e. lowest landed cost including duties, taxes and freight & Insurance).
8. Works means all works as per Rule 130 of GFR- 2017, and will also include 'turnkey works'. Works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.
9. Purchase Preference Policy:- Goods/Works which are not divisible (ie., required quantity is 1 or as a package) and Services:
- a) If L1 is from a 'Class-I local supplier', the contract will be awarded to L1 bidder.
 - b) If L1 is not from a 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price (inclusive of duties, taxes and freight & insurance).
 - c) In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on, and order/contract shall be awarded accordingly. In case where none of the 'Class-I local supplier' within the margin of purchase preference agree to match the L1 price, then the order/contract shall be awarded to the original L1 Bidder.
10. The 'Class-I & II local supplier' should provide a "Self Certification" along with technical offer indicating that the item offered meets the minimum local content [as per Sl. No.(3)] as called for in the tender and provide the percentage of local content along with details of the location(s) at which the local value addition is made. In case of two bid tenders, it is mandatory to indicate compliance to MLC(minimum Local Content) in technical bid zone.
11. The ink-signed certificate shall be provided on vendors letter head along with the offer (in case of online tender, copy of ink-signed certificate shall be uploaded along with your offer under concerned tab. Original in Hard copy shall be produced on request). In case of non-submission of certificate, the purchase preference shall not apply.
12. A committee (with an external expert from a practicing cost accountant or practicing chartered accountant, if required) constituted for independent verification shall verify the self-declarations & auditor's / accountant's certificates on random basis, as per the requirements.
13. In cases the quoted price is in excess of Rs.1000 Lakhs (including duties, taxes and freight & Insurance) the 'Class-I & II local supplier shall provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing

chartered accountant (in case of suppliers other than companies) giving the percentage of local content.

14. In case of a complaint received from any local supplier indicating a need for review / verification of Local content of successful vendor / awarded vendor, for accepting a complaint from such complainant (w.r.t the false declaration given by the successful vendor on the local content), a complaint fee of Rs.2 Lakhs or 1% of the locally manufactured items being procured (subject to a maximum Rs. 5Lakhs), whichever was higher, to be paid by demand draft by the complainant. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

15. False declarations will be in breach of code of the integrity for which a bidder or its successor's will not be eligible/debarred for purchase preference from further tenders / pending tenders for two years along with other actions as may be applicable.

16. The Public Procurement (Preference to Make in India), Order 2017 issued by Govt. of India indicates that if there are any general or specific restrictive clauses to restrict participation of Indian companies in those countries procurement tenders, reciprocity clause need to be invoked as per the order. Hence, if ISRO or Govt. of India come across that Indian suppliers of an item are not allowed to participate and / or compete in procurement by your government, the bid submitted by you will be not be considered and excluded from eligibility for procurement. Please note this point.

9. Format for Self Certification under Preference to MAKE IN INDIA Policy CERTIFICATE

1. In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, as amended from time to time and as applicable on the date of submission of tender, we hereby certify that we M/s. _____(supplier name) are local supplier meeting the requirement of minimum percentage of Local content _____ (class I/Class II) as defined in above orders for the materials against Tender No. _____

2. Details of locations at which local value addition will be made is as follows:

3. We also understand, false declarations will be in breach of the Code in Integrity under Rule 175(1) (i) (h) of the General Financial Rule for which a bidder or its successors can be debarred for up two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

4. Seal and Signature of Authorized Signatory

10. GeM Seller ID

1. GeM Seller Registration: All vendors shall register themselves in GeM Portal (gem.gov.in) and provide GeM Seller unique ID in the tender documents, as this ID is mandatory for award of contract.

C. Bid Templates

C.1 Technical Bid - Integrated Signal Conditioning and Data Acquisition System for Proof Pressure Test Facility-II

1. Integrated Signal Conditioner cum Data acquisition system for PPTF-II

Item specifications for Integrated Signal Conditioner cum Data acquisition system

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	1. DATA ACQUISITION SYSTEM –GENERAL REQUIREMENTS	-	Yes / No / Explain		
2	a) The Data Acquisition System (DAS)	is designed to acquire and monitor the parameters such as strain, temperature (RTD), Thermocouple (TC), voltage input signal (± 10 V) for Displacement and Pressure.	Yes / No / Explain		
3	b) Sampling rate	should be selectable among 10 Hz and 5 KHz.	Yes / No / Explain		
4	c) Data storage and Retrieval	Digitized data is to be stored in controller hard disk I as well as in server located at control room.	Yes / No / Explain		
5	d) The time stamping	of data to be based on countdown clock/synch signal or IST stamping.	Yes / No / Explain		
6	e) Synchronization	between multiple chassis and systems is required as per specifications defined. The digital data transfer bus (from input modules to controller) shall be selected to have specifications as defined.	Yes / No / Explain		

7	f) The data exchange	between controller and client nodes shall be in client-server architecture.	Yes / No / Explain		
8	g) Display	Acquired parameters are also to be transmitted to display nodes using User Datagram Protocol (UDP) for displaying parameters in the display nodes through Ethernet.2 Display client node is planned	Yes / No / Explain		
9	h) Online monitoring	(Data and Trend graph displays) of process parameters .k) On-line monitoring of parameters (mV/EU).	Yes / No / Explain		
10	i) Offline processing	of acquired data for further data analysis.	Yes / No / Explain		
11	j) OPC connectivity.	a) Data to be transmitted in real time to Programmable Logic Controller (PLC) using User Datagram Protocol (UDP) for displaying the DAS data in the control system mimic pages through OPC connectivity.	Yes / No / Explain		
12	k) Software package	for data acquisition, storage, processing, on line display, off line processing, analysis and archival. s) Driver software and application program to meet the entire configuration requirement.	Yes / No / Explain		
13	l) Source code	for all application programs shall be provided by the party.	Yes / No / Explain		

14	m) DAS architecture shall provide the necessary hardware and software to satisfy the following major functions	i. Data Acquisition at the selected sampling rate. ii. Data/Trend Display in real time with random channel selection. iii. Off-line processing to retrieve the stored data. iv. Data storage in local controller and in server. v. Data archival.	Yes / No / Explain		
15	n) detect failures	a) System shall have diagnostic features to detect failures. The system should be highly resistant to Electro-Magnetic interference.(as per EN61000-6-2 EMC Generic immunity standard)	Yes / No / Explain		
16	2. Signal Conditioner : A.1. Strain Signal Conditioner	-	Yes / No / Explain		
17	a) Voltage input range	$\pm 10\text{mV}$ to $\pm 10\text{V}$ (Range configurable)	Yes / No / Explain		
18	b) Type of input and configuration	Piezo resistive/MEMS/Strain gauge type pressure transducer. (support for quarter/half/full with internal termination of 120 & 350 ohm) ,Input Signal : 2 wire with shield, (differential) ,Excitation : 2 wire,Sense : 2wire	Yes / No / Explain		
19	c) Common mode Voltage	$\geq 250\text{V}$ (External bulkhead isolators are not allowed)	Yes / No / Explain		
20	d) Input protection	$\geq \pm 25\text{ V}$ across input(+) & input(-)	Yes / No / Explain		
21	e) Isolation	Channel to BUS & Channel to Chassis Ground $\geq 250\text{V DC}$	Yes / No / Explain		
22	f) Input impedance	$\geq 10\text{ Mohm}$	Yes / No / Explain		
23	g) CMRR	$\geq 110\text{dB @ } 50\text{Hz}$ at gain 500	Yes / No / Explain		

24	i) Programmable gain range	1 to 1000 (in different steps (or) auto scaling	Yes / No / Explain		
25	j) Overall accuracy (including gain accuracy, gain linearity, gain temperature coefficient, stability, offset drift etc.)	$\leq \pm 0.1\%$ FSO	Yes / No / Explain		
26	k) Filter type	Hardware/Software selectable: 4 pole low pass butterworth (or) 6 pole low pass Bessel (or) equivalent digital filter.	Yes / No / Explain		
27	l) Cut off frequencies @-3 dB	Programmable filter: 10Hz to 1 KHz (software selectable in different steps)	Yes / No / Explain		
28	m) Noise at 1KHz @gain 500	≤ 2.5 mVrms RTO	Yes / No / Explain		
29	n) Voltage excitation with short circuit protection for individual channels.	0 to 12V (unipolar) with not less than 40mA driving current. or ± 7 VDC (bipolar) with not less than 40mA driving current	Yes / No / Explain		
30	o) Excitation overall accuracy	$\leq 0.05\%$	Yes / No / Explain		
31	p) ADC	Per channel ADC	Yes / No / Explain		
32	q) Type of ADC	SAR/ Sigma Delta ADC	Yes / No / Explain		
33	r) Resolution	≥ 16 bit	Yes / No / Explain		
34	s) Sampling Rate	100 Samples/s to 5K Samples/s (software programmable)	Yes / No / Explain		
35	t) Mating connectors for input & output	Two sets each to be provided.	Yes / No / Explain		
36	u) Calibration	Zero and Gain calibration through software. Signal conditioners calibration provision by precision Internal/external calibration source	Yes / No / Explain		

37	v) Internal Shunt	To be done using software for all channels together or on individual channel basis.	Yes / No / Explain		
38	w) Zero balancing with an accuracy of $\pm 0.1\%$	100 % balancing, to be done for all channels together or on individual channel basis.	Yes / No / Explain		
39	A.2. RTD Signal Conditioner		-		
40	a) Type of input and configuration RTD	i. RTD - Pt100, Pt500 & Pt1000, complying to IEC751. ii. 4 wire configuration. iii. Resistance –0 to 2000 Ω	Yes / No / Explain		
41	b) Isolations	Channel to BUS & Channel to Chassis Ground $\geq 250V$ DC	Yes / No / Explain		
42	c) Linearizer	Linearized measurement range: $-200^{\circ}C$ to $+400^{\circ}C$ with built-in piecewise Linearizer	Yes / No / Explain		
43	d) Linearization error	$\leq \pm 0.05^{\circ}C$	Yes / No / Explain		
44	e) Accuracy	$\leq \pm 0.2^{\circ}C$	Yes / No / Explain		
45	f) Temperature coefficient on zero and sensitivity	For RTD: $\leq \pm 0.01^{\circ}/^{\circ}C$ change in temperature	Yes / No / Explain		
46	g) Long term drift (24 hrs)	For RTD: $\leq \pm 0.1^{\circ}C$	Yes / No / Explain		
47	h) Filter types	Low pass, 4/6pole, Butterworth /digital filter. Programmable through software	Yes / No / Explain		
48	i) Filter (low pass) -3 dB cut off frequencies.	5 Hz and 10 Hz Programmable through software	Yes / No / Explain		
49	j) Noise	$\leq \pm 0.02^{\circ}C$	Yes / No / Explain		
50	k) RTD Excitation current:	250/500 μA /1mA selectable through software	Yes / No / Explain		

51	l) Calibration methods	Module self calibration (for Zero and Gain) through software using precision internal calibration source and auto updation in software.	Yes / No / Explain		
52	A.3. Thermo Couple Input Module with Digitiser		-		
53	a) Type of input and configuration in TC	Thermocouple inputs	Yes / No / Explain		
54	b) Cold Junction Compensation for Thermocouples	Automatic by the sensor embedded in terminals and through software ,CJC accuracy : ± 0.5 degC	Yes / No / Explain		
55	c) Isolation in TC card	Channel to BUS & Channel to Chassis Ground $\geq 250V$ DC	Yes / No / Explain		
56	d) Input impedance in TC Card	$\geq 1M$ ohm	Yes / No / Explain		
57	e) Lineariser	Inbuilt Lineariser as per standard T/c table.	Yes / No / Explain		
58	f) Accuracy for TC inputs(type K,C,N,T & S)	$\leq \pm 0.5$ °C $\pm 0.05\%$ Span	Yes / No / Explain		
59	g) Filter type in TC SC	Hardware/software selectable: 2 pole low pass (or) equivalent digital filter	Yes / No / Explain		
60	h) Cut off frequency @-3 dB	1Hz/10Hz(software selectable)	Yes / No / Explain		
61	i) ADC configuration	Per channel ADC	Yes / No / Explain		
62	j) Types of ADC	SAR/Sigma Delta ADC	Yes / No / Explain		
63	k) Resolution in bit	≥ 16 bit	Yes / No / Explain		
64	l) Sampling Rate (max)	100 Samples/s (Software programmable)	Yes / No / Explain		
65	m) Mating connectors for input and output	Two sets each to be provided.	Yes / No / Explain		
66	A.4. Voltage Input Module with Digitiser		-		

67	a) Input type	Voltage	Yes / No / Explain		
68	b) Input configuration	Differential (2 wire with shield)	Yes / No / Explain		
69	c) Input range	±10V DC	Yes / No / Explain		
70	d) Input protection voltage	±25 V between Input(+) and Input (-)	Yes / No / Explain		
71	e) Input impedance in ohm	≥1M ohm	Yes / No / Explain		
72	f) Isolation in volt	Channel to BUS & Channel to Chassis Ground ≥250V DC	Yes / No / Explain		
73	g) Gain	Unity gain	Yes / No / Explain		
74	h) Accuracy in %	≤ ± 0.2% FSO	Yes / No / Explain		
75	i) Filter	Hardware/software selectable: 2 pole low pass (or) equivalent digital filter	Yes / No / Explain		
76	j) Cut off frequencies @ -3 dB	Programmable filter: 10Hz to 1 KHz (software selectable in different steps)	Yes / No / Explain		
77	k) Digitizer ADC	Per channel ADC	Yes / No / Explain		
78	l) ADC Type	SAR/ Sigma Delta ADC	Yes / No / Explain		
79	m) Resolution should be	≥ 16 bit	Yes / No / Explain		
80	n) Sampling Rate (maximum)	10 to 5 K Samples/Sec (software programmable)	Yes / No / Explain		
81	o) Mating connectors for input and outputs	Two sets each to be provided.	Yes / No / Explain		
82	3. CONTROLLER		-		
83	Chassis	Rack mountable or stackable	Yes / No / Explain		
84	Bus	Proprietary/Standard	Yes / No / Explain		

85	LED indications & alarms	System failure, Power ON, Temperature alarm etc.	Yes / No / Explain		
86	Network	Ethernet connectivity (protocol: TCP/IP) 100/1000 Mbps)	Yes / No / Explain		
87	NIC	Integrated 100/1000 Mbps dual Network	Yes / No / Explain		
88	I / O ports & Connectors	4 USB (at least 2 USB with 3.0.)	Yes / No / Explain		
89	Time synchronization	(<10 ns)	Yes / No / Explain		
90	Power Supply	230V AC 50Hz/24 VDC	Yes / No / Explain		
91	Data storage	Local/separate system with capacity of 1 TB minimum.	Yes / No / Explain		
92	Operating temperature	15°C to 50°C	Yes / No / Explain		
93	Storage temperature	15°C to 60°C	Yes / No / Explain		
94	EMI / EMC compliances for standards	Required	Yes / No / Explain		
95	Humidity	95% non-condensing	Yes / No / Explain		
96	4. DATA PROCESSING NODE		-		
97	Processor	Intel Core i7, @ 3.6 GHz, 6 MB cache (or Higher)	Yes / No / Explain		
98	Chipset	Intel Q85 or higher Chipset or equivalent/Higher	Yes / No / Explain		
99	Memory	16 GB @ 1600 MHz DDR4 RAM with 32 GB Expandability	Yes / No / Explain		
100	Hard Disk	2 x 1 TB Hard Disk 7200 RPM or higher	Yes / No / Explain		
101	DVD Combo	DVD Super Multi Drive (R/W)	Yes / No / Explain		
102	Video	Integrated Graphics Media Accelerator x 4500 support upto 2GB video memory through DVM, support DirectX 10	Yes / No / Explain		

103	Audio	Intel High Definition Audio	Yes / No / Explain		
104	NIC Net	Integrated 100/1000 Mbps dual Network	Yes / No / Explain		
105	Monitor	24" LED with thin bessel Full HD IPS Digital colour Monitor having 1920x1080 native resolution with Digital Input & Aspect Ratio 16:9 & built-in speaker	Yes / No / Explain		
106	Keyboard	Multimedia keyboard with USB 2.0 Interface	Yes / No / Explain		
107	Mouse	2-Button optical scroll mouse with USB	Yes / No / Explain		
108	Peripheral Interface	6 USB 3.0 interface ports (at least 2 USB with 3.0. Two front & 4 USB ports wired at the rear preferred), minimum 1PCI slot, PCI Express x1, 1PCI Express x16 Slots & One serial port	Yes / No / Explain		
109	Others	Fan for CPU Cooling	Yes / No / Explain		
110	Operating system	Preloaded with Linux / Genuine Microsoft Windows 10 Professional or higher with license & recovery media	Yes / No / Explain		
111	Software	Required driver software for Mother Board / Chipset Driver in CD, NIC & DVD writer	Yes / No / Explain		
112	Certification	Windows / Linux certification	Yes / No / Explain		
113	Security	System level security with CD disabling & high surge protection	Yes / No / Explain		
114	Regulatory Certification	Ecology, Energy, Ergonomics, Emissions(ROHS, Energy Star and FCC Class B ERTL certified	Yes / No / Explain		
115	Input power supply	50Hz, 230V AC with Indian Standard Plug Tops	Yes / No / Explain		

116	Antivirus	To be provided and updates shall be made upto a period 3 years	Yes / No / Explain		
117	5. SOFTWARE REQUIREMENTS :	-	Yes / No / Explain		
118	(i) Configuration Settings of software	-	Yes / No / Explain		
119	a) The acquisition software	shall be capable of scanning the selected user required channels at user required sampling rate.	Yes / No / Explain		
120	b) Channel legend	Channel legend, description, gain and filter settings, type of voltage Input ranges, excitation, first & fourth order constants for engineering unit conversion and other programmable feature shall be user-selectable.	Yes / No / Explain		
121	c) Logging	of set configurations in notepad or in spreadsheet format.	Yes / No / Explain		
122	d) All configuration setting	shall be done through system Controller and remotely at control room through programming node.	Yes / No / Explain		
123	e) Configuration updation	shall be done during start-up.	Yes / No / Explain		
124	f) Up on power failure or system restart	, the last set configuration shall be retained.	Yes / No / Explain		
125	(ii) Acquisition software	-	Yes / No / Explain		
126	a) Acquisition software for	acquisition of the field process parameters and should continuously acquire and store the data.	Yes / No / Explain		
127	b) Acquired data	to be transmitted to server for storage and display.	Yes / No / Explain		

128	c) Data store	Data shall be stored in controller hard disk and in server (Multiple file creation based on size and manual selection)	Yes / No / Explain		
129	d) The controller shall transmit	the data to Server through TCP/IP.	Yes / No / Explain		
130	e) The time stamped	data shall be sent to server.	Yes / No / Explain		
131	(iii) Server software	-	Yes / No / Explain		
132	a) Server software	to be installed for storage of received data from data acquisition system.	Yes / No / Explain		
133	b) Engineering unit conversion	for numeric display and trend graph display	Yes / No / Explain		
134	c) Data transmission	to client nodes through multicast UDP packets or suitable protocol.	Yes / No / Explain		
135	(iv) On-line Display Software	-	Yes / No / Explain		
136	a) Field parameter values	to be displayed in the display node with 500 ms updation for data display and with 100ms updation for trend display.	Yes / No / Explain		
137	b) The online display	shall be provided to all display nodes.	Yes / No / Explain		
138	c) The numerical and graphical display	shall have the option for colour change when threshold limits are reached.	Yes / No / Explain		
139	(v) Offline processing	-	Yes / No / Explain		
140	a) Offline processing	of selected channels in EU or Voltage with selectable averaging, printing intervals and time offset correction based on count down time/synch signal.	Yes / No / Explain		
141	b) Each plot and data file	with optional header & footer.	Yes / No / Explain		

142	c) Mathematical and statistic analysis	tools (like FFT analysis, RMS plot, Time Domain plot, Average, Min, Max, and Curve Fitting) shall be available for analyzing offline processed data.	Yes / No / Explain		
143	d) Ambient processing	for selected parameters shall also be provided	Yes / No / Explain		

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Integrated signal conditioning Data acquisition system in single stand alone configuration with sampling rate selectable among 10 Hz and 5K Hz.		-		
2	All hardware used shall be modular, expandable and easily stackable.		-		
3	Strain, RTD, TC and voltage input modules for conditioning and digitizing the analog input signal using an analog to digital converter (ADC).		-		
4	Digitized data to be stored in Local controller hard disk also in server located at control room.		-		

5	The system configuration and capacity should be able to acquire and store the required channels in the required sampling rate for the continuous duration of at least 24hours, with multiple files for quick processing and retrieval.		-		
6	The system should acquire and log the data at selected sampling rate with Indian Standard Time (IST) stamping.		-		
7	Acquired parameters are also to be transmitted to display nodes using User Datagram Protocol (UDP) for displaying parameters in the display nodes through Ethernet.		-		
8	The data exchange between controller and data processing node shall be in client-server architecture.		-		
9	Real time performance calculation with on-line data by using mathematical tools and display of the same.		-		

10	Online monitoring (Data and Trend graph displays) of process parameters.		-		
11	On-line monitoring of parameters (mV/EU).		-		
12	Offline processing of acquired data for further data analysis.		-		
13	Offline processing of acquired data with calibration constants for data analysis.		-		
14	Offline graphical processing and processing based on averaging and printing interval.		-		
15	Data to be transmitted in real time to Programmable Logic Controller (PLC) using User Datagram Protocol (UDP) for displaying the DAS data in the control system mimic pages through OPC connectivity.		-		
16	Software package for data acquisition, storage, processing, on line display, off line processing, analysis and archival.		-		

17	Reliable and user friendly software in Linux/Windows platform with Labview API for all application programs.		-		
18	Driver software and application program to meet the entire configuration requirement.		-		

Supporting Documents required from Vendor

1. Detailed Quotation with individual item wise break-up prices as given in ANNEXURE 2A (Price Bid Related)
2. Warranty certificate
3. Specification compliance sheet
4. All operating, maintenance and technical manuals, drawings and diagrams in English Language relevant to the systems/components
5. Copies of previous purchase orders proving your experience in the execution of projects of the nature
6. OEM/OEM Authorisation Certificate
7. Clientele Details
8. Copy of your Quotation in PDF format with detailed Terms & Conditions, WITHOUT PRICE DETAILS/MASKING ALL PRICE DETAILS. ENSURE NOT TO MENTION ANY PRICE IN THIS DOCUMENTS, OTHERWISE THE QUOTE WILL BE INVALID.
9. Bill of Material as per Annexure-2A of RFP, WITHOUT PRICE DETAILS/MASKING ALL PRICE DETAILS, TO KNOW THE PATTERN OF QUOTE. ENSURE NOT TO MENTION ANY PRICE IN THIS DOCUMENTS, OTHERWISE THE QUOTE WILL BE INVALID.
10. NC-AMC quote for 3 Years after Local support, with Detailed Scope and Terms and

Conditions WITHOUT PRICE DETAILS/MASKING THE PRICE DETAILS[Note: Do Not mention price in these documents. If price is mentioned your offer will be rejected].

11. Unpriced Separate quotation for Spares indicating details. [Note: Do Not mention price in these documents. If price is mentioned your offer will be rejected].

12. Local Content Declaration [from OEM, if you are not the OEM of the product] as per the provided format in bid documents. Declaration in any other format will not be acceptable].

13. Latest Catalogue/Datasheets of Quoted Products. [Note: Do Not mention price in these documents. If price is mentioned your offer will be rejected].

14. Any other documents [Note: Do Not mention price in these documents. If price is mentioned your offer will be rejected].

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	The normal delivery period expected is 9 months	Yes / No / Explain	
2	All commercial terms related to this procurement shall be mentioned	Yes / No / Explain	
3	All required accessories shall be mentioned and quoted to meet our requirements	Yes / No / Explain	
4	Product catalogues which contain the product specifications are required to be sent. Quotations submitted without these catalogues will not be considered	Yes / No / Explain	
5	The required warranty period for the item is 12 months from the date of final acceptance of the system	Yes / No / Explain	
6	Specification Compliant statement to confirm meeting of specifications should be provided in the offer	Yes / No / Explain	
7	<p>IMPORTANT NOTE: This is a Two-Part tender i.e. Techno-Commercial Part Containing C.1 (Technical Bid), Supporting Documents required from Vendor, C.2 (Commercial Terms / Bid) and Price Bid . Please note that all technical commercial details without price shall be furnished in the Documents Solicited from Vendor & in Commercial Compliance C.2 (Commercial Terms / Bid) Fields while price shall be indicated only in the Price Bid & a Quotation in PDF format with price shall be uploaded in the Document field marked as Price Bid Related. PRICE SHALL BE MENTIONED ONLY IN THE PRICE BID FORM & IN THE PRICE BID RELATED FIELD. [ENSURE NOT TO MENTION ANY PRICE ANYWHERE ELSE, OTHERWISE THE QUOTE WILL BE INVALID. PLEASE NOTE BEFORE/WHILE SUBMITTING YOUR OFFERS. Note and Confirm.</p>	Yes / No / Explain	

8	Foreign vendors are not permitted to quote. Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid. Ensure to Upload Local Content Declaration from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in case of suppliers other than companies) as per the attached format. Without Local Content declaration your offer will not be considered for evaluation. Note and Confirm.	Yes / No / Explain	
9	Taxes and other costs (Specify). We are eligible for GST @5% as per relevant notification of IGST/CGST/SGST. Necessary concessional GST certificate will be provided along with the P.O. Please note and quote accordingly.	Yes / No / Explain	
10	GeM (https://gem.gov.in) Seller Registration: Please provide your GeM Seller unique ID.	Yes / No / Explain	
11	Security Deposit (Applicable if Offer Value is Rs. 5 Lakhs or above. MSME/NSIC Units are NOT EXEMPTED from the payment of SD. Bank Guarantee @ 3% of Order Value valid till 60 days from the date of supply to be submitted. Mandatory compliance required. Only Government Bodies/PSUs/PSEs can submit Indentity Bond in lieu of BG. In the event of non-performance of contractual obligations, SD will be forfeited). Note and Confirm.	Yes / No / Explain	
12	Delivery Terms: Normal delivery terms - FOR Destination (i.e., IPRC, Mahendragiri), Specify if any other delivery terms are being offered.	Yes / No / Explain	
13	Delivery Period:[As per RFP-Annexure-B Terms and Conditions, Clause No. 2.1]. Note and Confirm.	Yes / No / Explain	
14	Liquidated Damages (Applicable beyond the delivery period mentioned in the order @ 0.5% per week subject to a maximum of 10% of the contract value. Mandatory compliance required). Note and Confirm.	Yes / No / Explain	
15	Warranty Period (12 months from the date of final acceptance (after SAT) of the system at our site). Note and Confirm.	Yes / No / Explain	

16	Performance Bank Guarantee (PBG):- Bank Guarantee @ 3% of Order Value valid till the completion of warranty period plus 2 months claim period to be submitted. Mandatory compliance required. Only Government Bodies/PSUs/PSEs can submit Indemnity Bond in lieu of BG. In the event of non-performance of warranty obligations, PBG will be forfeited). Note and Confirm.	Yes / No / Explain	
17	Payment Terms: Payment Terms: [As per RFP-Annexure-B Terms and Conditions, Clause No. 2.10]. Note and Confirm.	Yes / No / Explain	
18	Class-I local suppliers can avail purchase preference as per Make In India OM of DPIIT, if their offer falls within the margin of Purchase Preference with respect to the lowest bid. Note and Confirm.	Yes / No / Explain	
19	Definitions as per make In India policy of Govt. of India: A supplier or service provider, whose goods, services or works offered for procurement, has local content: a)Equal to or more than 50% : Class-I local supplier. b)More than 20% but less than 50% : Class-II local supplier. c)Less than or equal to 20% : Non-local supplier. Mention your category.	Yes / No / Explain	
20	The Class-I & II local supplier should provide a Self Certification along with your offer in PDF format indicating that the item offered meets the minimum local content as called for in the tender as mentioned above and provide the % of local content along with details of the location(s) at which the local value addition is made. In case of two part tenders, it is mandatory to indicate compliance to MLC(minimum local content) in technical bid itself. IF you are not the OEM of the product offered, such Local content declaration shall be provided by the OEM. Confirm attachment of Self declaration along with the offer.	Yes / No / Explain	

21	Local content means the amount of value added in India (i.e. indigenous items/services added in the offered products/services/works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent. Indicate extent of Minimum Local Content in offered product/service and location of such value additions. [Please note that as per DPIITs OM Ref P-45021/102/2019-BE-II-Paart(1)(E-50310) Dtd. 04/03/2021 you cannot claim as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition]. Confirm that your declared Local content is line with these guidelines.	Yes / No / Explain	
22	Please Note that Local Content declarations should be provided by OEM or approved by OEM by clearly indicating the details of Local value addition being done in your offered items. Please Note and comply.	Yes / No / Explain	
23	Country of origin of the offered product	Yes / No / Explain	
24	Declaration:-"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder- is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered." Note and Confirm.	Yes / No / Explain	
25	Confirm MSME or not. If applicable provide MSME certificate along with the offer.	Yes / No / Explain	
26	PO Ordering Address with Name and Contact Details of Sales Person concerned (e-mail and phone number).	Yes / No / Explain	
27	Offer Validity.[After opening of Part-120 Days, After opening of Part-II-60 Days]. Confirm.	Yes / No / Explain	

28	Any Other terms	Yes / No / Explain	
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C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Discount in %	Installation and commissioning Charges	Training Charges [If applicable]	Local support as per Scope mentioned in RFP	NC-AMC Charges for 1st Year after Warranty Period	NC-AMC Charges for 2nd Year after Warranty Period	NC-AMC Charges for 3rd Year after Warranty Period	Any other charges (Price), if any [specify in quote]	Remark
1	Integrated Signal Conditioner cum Data acquisition system for PPTF-II	1.00 Lot		-										

Common charges (Applicable for all items)

Cost of Spares	
Other charges, if any [specify detail in your quote]	