

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
ISRO TELEMETRY TRACKING & COMMAND NETWORK (ISTRAC)
BANGALORE**

**Tender for Low Noise Phase & Frequency Offset Generator and
Frequency Divider**

Bids to be submitted online

Tender No.: ISTRAC/ISTRAC PURCHASE/TR202200014501 dated 30-09-2022

A. Tender Details

Tender No : **ISTRAC/ISTRAC PURCHASE/TR202200014501**

Tender Date : **30-09-2022**

Tender Classification: **GOODS**

Purchase Entity : **ISTRAC PURCHASE**

Centre : **ISRO TELEMETRY TRACKING & COMMAND NETWORK (ISTRAC)**

Low Noise Phase & Frequency Offset Generator and Frequency Divider

Please provide your compliance for the following: (a) Payment Terms & (b) Security Deposit Clause (c) Performance Bank Guarantee & (d) DELAY IN COMPLETION / LIQUIDATED DAMAGES Clauses also.

A.1 Tender Schedule

Bid Submission Start Date : **30-09-2022 10:00**

Bid Clarification Due Date : **25-10-2022 17:00**

Bid Submission Due Date : **14-11-2022 17:00**

Bid Opening Date : **15-11-2022 10:00**

B. Tender Attachments

NA

Instructions To Vendors

1. TENDER TERMS AND CONDITIONS

1. All information in Vendor Specified Terms shall be provided without fail to avoid unnecessary correspondence / delay in process. The same should reach before technical bid opening date and time without fail.

2. As per Rule 144(xi) of General Financial Rules, 2017, 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 the Competent Authority (i.e., Department for Promotion of Industry and Internal Trade) in line with Order (Public Procurement No. 1, 2 and 3) dated 23/07/2020 and 24/07/2020 or any amendments thereon issued by the Public Procurement Division, Department of Expenditure, Ministry of Finance. Hence, Vendors or Agents of a Vendor (Indian or Others) from a country sharing border with India shall submit the copy of Valid Registration made with DPIIT along with the tender mandatorily, without which the offer will be treated as invalid.

3. a) Order no: F.No.6/18/2019 PPD dated 23.07.2020 of Department of Expenditure, Ministry of Finance Under Public procurement division for the General Financial rule (GFRs).

4. b) Class I local supplier means a supplier or service provider, whose goods, service or works offered for procurement, has local content equal to or more than 50%, as defined under order.

5. c) Class II local supplier means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order.

6. d) Bidders offering imported products will fall under the category of Non-local suppliers. They cannot claim themselves 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.

7. e) Verification of local content: i) The Class I local supplier/ Class II local supplier at the time to tender, bidding or solicitation shall be required to indicate percentage of local content and provide self certification that the item offered meets the local content requirement for Class I local supplier / Class II

local supplier as the case may be. They shall also give details of the location(s) at which the local value addition is made.

8. A supplier who has been debarred by any procuring entity for violation of this order shall not be eligible for preference under this order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed.

9. Delivery Terms: FOR ISTRAC

10. GENERAL TERMS & CONDITIONS FOR BIDDERS: For this procurement, bids from Class I, class II and Non-Local Suppliers are admissible. Provisions contained in Public Procurement (Preference to Make in India), Order 2017 issued by Department for Promotion of Industry and Internal Trade (DIPP), Ministry of Commerce & Industries vide letter No. P 45021/2/2017 PP(BE II) dated 04.06.2020 and subsequent amendment & directives shall be followed. Accordingly, offer will be evaluated & processed in conformation with above referred GOI order (Specially mentioned below). The bidder shall provide compliance and undertaking as per order and hereafter amendments:

11. If an agent submit bid on behalf of the principal/OEM, the same agent shall not submit a bid on behalf of another principal/OEM in this tender for the same item. If submitted, all offers will be liable for rejection.

12. iii) False declarations will be in breach of the code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (GFR) for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the general Financial Rules along with such other actions as may be permissible under Law.

13. ii) In case bid value is in excess of Rs. 10 Cr., Class I local supplier/ Class II local supplier shall be required to 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 respect of suppliers other than companies) giving the percentage of local content.

14. In case the bidders propose any other payment terms in deviation with the standard terms mentioned in the tender enquiry, it may be noted that applicable cash flow implications will be loaded on the prices quoted for commercial comparison of the offers. If advance payments are insisted by the bidders, interest at the rate of MCLR (Marginal Cost Linked Rate) as notified by State Bank of India from time to time shall be loaded on the prices for price comparison.

15. In this tender either the Indian agent on behalf of the principal/OEM or the principal /OEM itself can bid, but both cannot bid simultaneously for the same item. Indian agents while quoting on behalf of their principals shall provide necessary latest authorisation letter obtained from their

principals/manufacturers.

16. Liquidated damages: If the vendor fails to deliver the items on or before the delivery date, or any extension thereafter purchaser shall recover from the vendor as liquidated damages a sum of 0.5% of the contract price of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed 10% of the contract price of the unit or units so delayed.

17. Model Certificate for Tenders: 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.

18. Model Certificates for Tenders for Work involving possibility of sub contacting: I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub contracting to contracting from such countries I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub contract any work to a contract form such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. Provide Compliance for the above in Vendor Specified Commercial Terms.

19. NO EMD AND TENDER FEE.

20. Performance Bank Guarantee (PBG) to be furnished as a security for fulfilment of warranty obligations by the successful vendor after satisfactory execution of purchase order/Contract (3% of the value of the purchase order/Contract). Central SUs/PSE/Autonomous bodies are exempted from the production of Performance Bank Guarantee. Instead; an indemnity bond shall be furnished in lieu of PBG.

21. Product Scope: Class I local supplier/ Class II local supplier shall offer only standard and catalogued product for Equipment / Spares Cards / assemblies. If the above offered Equipment / Cards / Assemblies are under development / to be developed the bid will not be considered.

22. PUBLICITY: No publicity of any kind whatsoever in case of PURCHASE ORDER shall be given by the Supplier without prior permission of the Purchaser.

23. SECRECY: The technical information, drawings, specifications and other related documents, forming part of the CONTRACT, are the property of the Purchaser and shall not be used for any other purpose, except for execution of the CONTRACT. All rights, including rights in the event of grant of patent and registration of designs are reserved. The technical information, drawings, specifications, records and other documents shall not be copied, transcribed, traced or reproduced in any other form or otherwise in whole and/or duplicated, modified, divulged and/or disclosed to a third party nor

misused in any other form whatsoever without Purchasers consent in writing except to the extent required for the execution of this CONTRACT. These technical informations, drawings, specifications and other related documents shall be returned to the Purchaser with approved copies and duplicates, if any, immediately after they have been used for the agreed purpose.

24. Senior Purchase and Stores Officer, ISTRAC, reserves the right to accept or reject any/or all the tenders in part or full without assigning any reasons thereof.

25. Submit the bid on or before due date.

26. Successful vendor has to submit the security deposit. (3 % of the value of the purchase order). Central PSUs/PSE/Autonomous bodies shall be exempted from the payment of security deposit, and instead, an indemnity bond shall be secured from them.

27. VENDORS HAS TO REFLECT THE POINT NO (4), (5) AND (6) IN THEIR BID.

28. TAXES: GST is payable as per applicable rates.

2. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER

1. 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 confirm 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.

2. 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.

3. ARBITRATION : All disputes, differences, claims and demands arising under or pursuant to or touching this agreement shall be referred to Arbitration of a sole Arbitrator to be appointed by the Director, ISTRAC, whose decision/award will be final and binding on both the parties. Such arbitration shall be held in Bangalore and shall be subject to and governed by the provisions of the Arbitration and Conciliation Act of 1996 or any statutory modification or re-enactment thereof. The language to be used in Arbitration is English only.

4. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Purchase Officer concerned to avoid any payment of such levies.

5. a) Your offer should be valid for 120 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.

6. CUSTOMS DUTY : This office is eligible for Concessional Customs Duty @ 5.5% against Ministry of Finance, Department of Revenue, Government of India, vide Customs Notification No.51/96-Cus Dated 23-07-1996 (Sl.No.1) and amended under Notification No.93/96 dated 11th December 1996 and 24/2002 dated 01-03-2002

7. 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.

8. TAXES: GST is payable as per applicable rates.

9. 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) Warranty shall be for the period mentioned in the tender document. 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 the warranty period, 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 warranty 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 warranty 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)

10. If the IGST is applicable, the same will be reimbursed if it is reflected in Bill Of Entry. Proof shall be provided while claiming payment.

11. It is to be noted that either Customs Duty or GST is applicable (any one)

12. JURISDICTION : The contract/ purchase order shall be governed by an interpreted and construed in accordance with the laws of India. The courts situated at Bangalore only shall have jurisdiction to deal with and decide any legal matter or dispute arising out of contract/ purchase order.

13. 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.

14. Please provide your compliance for Security Deposit, Performance Bank Guarantee and Liquidated Damages Clause.

15. 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.

16. 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.

17. Sales Tax and/or other duties/levies legally leviable and intended to be claimed should be mentioned in the price bid template. If nothing is mentioned, then it will be presumed that the rate quoted is inclusive of all taxes/duties.

18. 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 ten percent of the value of the Contract as the Purchaser shall specify. 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.

19. SETTLEMENT OF DISPUTES : Except as otherwise specifically provided in the contract, all disputes concerning question of fact arising under the Contract shall be decided by the Purchaser subject to a written appeal by the Contractor to the Purchaser whose decision shall be final to the parties hereto. Any disputes or differences including those considered as such by only one of the parties arising out of or in connection with the Contract shall be, to the extent possible, settled amicably between the parties. If amicable settlement cannot be reached, then all disputes shall be settled by arbitration.

20. TERMS & CONDITIONS OF TENDER

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

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

23. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted.

24. 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.

25. 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.

26. 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 Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.

27. 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.

28. The term Purchaser shall mean the President of India or his successors or assigns.

29. 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.

3. INSTRUCTIONS TO TENDERERS FOR ONLINE SUBMISSION OF TENDERS THROUGH E-PROCUREMENT SYSTEM

1. a) Bidders shall arrange themselves all resources, including Digital signature certificates and Internet Connections at their own cost, for participating in online tendering.
- b) Vendors can download the tender details and submit their offers online using their vendor accounts (obtained during registration) in our portal. Help demos for tender download and bidding processes are given on home page.
- c) The tender should be submitted online in the ISTRAC link before the due date and time as specified in the tender schedule in the portal.
- d) Vendors shall also take note of other Instructions to tenderers indicated in the tender documents.

2. Conditions for online submission of tenders:

- a) It is mandatory for interested parties to register as vendors in our e-procurement portal <https://eproc.vssc.gov.in/home.html> for participating in online eProcurement process of ISRO. Only registered vendors can submit their offers online in our eProcurement portal.
- b) Vendors who are already registered in the existing EGPS software of ISRO, please register by clicking the link in the email you would have already received from 'eproc@vssc.gov.in'. After registration, do the profile update by login to this portal.
- c) For new vendors, who are not registered in the existing EGPS software, vendor registration will be released along with the portal release. To register as vendors please refer to the help demos listed on the home page of the e-procurement link mentioned above. They may approach help desk (contact

details provided on the home page) for any technical help for registration and subsequent process.
d) OEM details should be added in your E-Procurement profile under Add Agent/Principal without fail.

3. ISTRAC 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.

4. Procedure for seeking clarifications/help for the tender:

a) All enquiries regarding the tenders and submission of offers shall be online and only through our eProcurement portal.

b) Vendors may approach help desk e-mail id and phone number given on the home page for any technical help (e-mail: eproc@vssc.gov.in and Phone: +91471 2565454/4574/2527/3753/3289).

5. Queries by vendors on technical problems on the last day of tender will not be binding on ISTRAC/ISRO for resolving/addressing. ISTRAC will not be responsible for non-submission of bids for those cases.

C. Bid Templates

C.1 Technical Bid - Low Noise Phase & Frequency Offset Generator and Frequency Divider

1. SYNTHESIZER Low Noise Phase & Frequency Offset Generator HROG

Item specifications for SYNTHESIZER

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	External Reference	10MHz(+13 dBm +/- 1 dBm 50ohm impedance)	Yes / No / Explain		
2	1PPS Input Support	TTL Compatible 50 Ohm impedance	Yes / No / Explain		
3	No of 10MHz Output ports	2 or more	Yes / No / Explain		
4	No of 1PPS Output ports	2 or more	Yes / No / Explain		
5	10MHz output signal	power level +13 dBm+/- 0.5 dBm into 50 Ohm Load and Output Isolation:> 80 dB	Yes / No / Explain		
6	1PPS output signal	Output Level: >2.4 V into 50 Ohm (TTL compatible) and configurable Pulse width:0.4us/1.6us/6.4us/25.6us/51.2us/102.4us/204.8us/409.6us	Yes / No / Explain		
7	Operation	Device shall generate signal with both phase and frequency offset.	Yes / No / Explain		
8	Device should be able to generate the Synchronised PPS output w.r.t. PPS IN based on user command locally and remotely.		-		

9	Device should be able to accept phase, frequency and time offset corrections absolutely or relative to current value.		-		
10	Resolution and Range	Time resolution: 5 e-5 ns or better Range: 0-2000ns Fractional Frequency Resolution: 5e-19 or better Range: 0-1Hz Phase Resolution: $2 \cdot \pi / (2^{32})$ Radians or better Option to accept these parameters locally & remotely.	Yes / No / Explain		
11	Stability	1 sec: 9e-14 or better 10 sec: 9e-15 or better 100 sec: 4e-15 or better 1000 sec: 4e-15 or better	Yes / No / Explain		
12	Phase Noise (dBc/Hz)	10 Hz < -137 (or better) 100 Hz < -155 (or better) 1 kHz < -165 (or better) 10 kHz < -168 (or better)	Yes / No / Explain		
13	Control Port	Device shall support control through RS-232 or TCP/IP	Yes / No / Explain		
14	Operation and Control	Device shall support control through RS-232 or TCP/IP and device parameters configurable locally and remotely.	Yes / No / Explain		
15	Status LED Indication for inputs 1PPS & 10MHz as well as of 1PPS output and 10MHz Output and same to be given to M&C.		-		
16	Device should provide device status (Such as SYNC) and correction information (phase, frequency & time offsets) to M&C.		-		

17	Device shall be offered with 230 volt +/-10%, 50 Hz AC and DC (22-30 V) Power Supply. Device shall be realized in a single chassis and shall be 19" rack mountable.		-		
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2. WARRANTY Extended Warranty for HROG for 4 years/unit

3. Time Distribution Unit Frequency Divider

Item specifications for Time Distribution Unit

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Input Signal:	10MHz sine wave +13dBm +/- 1dBm	Yes / No / Explain		
2	Output Signal:	5 MHz sine wave +13 +/-1dBm	Yes / No / Explain		
3	Input Impedance And Return Loss	50 Ohms , RL -20dB	Yes / No / Explain		
4	Output Impedance And Return Loss	50 Ohms, RL -20dB	Yes / No / Explain		
5	Residual Phase Noise	1Hz : -136 dBc/Hz 10Hz : -149 dBc/Hz 100Hz : -161 dBc/Hz 10kHz: -172 dBc/Hz 100kHz : -173 dBc/Hz	Yes / No / Explain		
6	Power Supply:	+9 VDC, 100mA	Yes / No / Explain		

4. WARRANTY Extended Warranty for Frequency Divider for 4 years/unit

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	All subsystems of the system shall have been selected to achieve optimal performance and high reliability		-		
2	Systems shall be only from a proven product line from highly reputed manufacturers.	The product line shall be an internationally established brand reputed for high quality and with wide acceptance in deployment for mission critical and business critical functions in the industry	Yes / No / Explain		
3	The system should not be an obsolete product from the manufacturer. The manufacturer's certification should be enclosed with the offer		-		
4	Warranty & Technical Support		-		
5	Vendor shall provide standard warranty of the offered product for a minimum period of 1 year.		-		
6	Manufacturers support package for Warranty and technical support only should be quoted. The specific part number for such support should be clearly indicated.	Vendor shall not replace manufacturer's warranty with their own warranty package. However, the vendor can add their support package to the manufacturers support package to cover any additional support capabilities that are not available in the manufacturers support package	Yes / No / Explain		

7	Warranty should start from the date of acceptance of the full Configuration i) Technical Support to cover the following.	ii) Access to technical support information for resolving problems, configuration issues, utilities etc. iii) Firmware & device drivers. iv) Technical Assurance in troubleshooting v) Access to technical literature in english relating to the system	Yes / No / Explain		
8	Notes to the vendor		-		
9	Vendor shall enclose a certificate from the manufacturer that vendor is authorized to quote for the offered product to ISTRAC and that the manufacturer will support the delivery and subsequent warranty		-		
10	For all items in the list of deliverables offered by the vendor, the manufacturer's part number should be clearly indicated. Offer of items without clear specification of part number is not acceptable		-		

11	In case the approval of any Foreign Govt. agency, like US dept. of commerce, is required for the supply of any of the items, vendor should clearly indicate the items requiring such clearance.	For such items vendor should obtain strong assurance from the manufacturer regarding their commitment to follow-up through the necessary clearance process. A written assurance to this effect should be enclosed with the technical offer.	Yes / No / Explain		
12	The system is intended to be used in mission Critical applications and shall be of high reliability and quality.		-		
13	Vendor should provide technical brochure from manufacturer in english for all subsystems to verify the current status (i.e. when released, whether due for replacement/o bsolesce) the specification of the subsystems.	The technical brochure shall give the details not only for the main system but also for all the subsystems and accessories. Technical brochure shall include details of <ul style="list-style-type: none"> • Functional specification. • Hardware & software configuration. • Configuration options. • Electrical & environmental specification. • Safety compliance details. • Physical dimension 	Yes / No / Explain		

14	Vendor should indicate the part nos. of the deliverable items clearly. The part numbers & description of the items in the offer should match the part numbers & description of the items mentioned in the manufacturer's spec sheets		-		
15	Vendor should carefully consider all the clauses in the specifications and should ensure that their offer is complete in all respects at the time of submission.	Complete technical documentation justifying the compliance should be enclosed along with their offer. Offer which are incomplete are liable to be considered noncompliant.	Yes / No / Explain		
16	Wherever exemption or concessions in duties and/or taxes are allowed by the statutory authorities for ISRO as an R&D organisation the same may be availed.	Vendor should explicitly indicate such duties and /or taxes for which exemption/concession will be allowed w.r.t their offer.	Yes / No / Explain		
17	The cost quoted by the vendor should be for delivery at ISTRAC stores , Bangalore.		-		
18	End Usage: The Offset generator will be used at the timing laboratory of NavIC Ground Segment.		-		

Supporting Documents required from Vendor

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Payment: Supply: 100% payment through PFMS within 30 days after receipt and acceptance of items at our stores. Extd.Warranty: Payment shall be made Annually after completion of Std. Warranty period against Invoice.	Yes / No / Explain	
2	Taxes and other costs, if any	Yes / No / Explain	
3	Delivery Period	Yes / No / Explain	
4	Delivery Term	Yes / No / Explain	
5	SECURITY DEPOSIT: You shall provide a Security Deposit equal to 03% of the order value in the form of Bank Guarantee/Fixed Deposit Receipt from any of the Scheduled Banks immediately after receipt of P.O. Security deposit shall be valid for 60 days beyond the delivery date / completion date specified in the Purchase order. In the event of non-execution of the PO/Contract or breach of any terms and conditions of the PO, the SD shall be forfeited.	Yes / No / Explain	
6	PERFORMANCE BANK GUARANTEE: You shall furnish a Performance Bank Guarantee equal to 3% of the order value from any of the Scheduled Banks on non-judicial stamp paper as per the format enclosed. PBG shall be submitted while claiming payment & shall be valid till the completion of Warranty period Plus 2 Months from the date of acceptance of the item. PBG shall be returned back to you without any interest after completion of all the contractual obligations. In case PBG is not submitted, 97% payment will be made and balance 3% will be paid after completion of warranty period.	Yes / No / Explain	

7	(OR) Security Deposit-cum-Performance Bank Guarantee: You shall furnish a Security deposit cum performance bank guarantee (as per format enclosed) from any of the scheduled banks on non-judicial stamp paper of Rs. 200/- for an amount equivalent to 3% of PO value immediately after receipt of P.O. SD cum PBG shall be valid till the completion of the warranty period plus 2 months. On performance and completion of the Contract in all respects, the Bank Guarantee will be returned to you without any interest.	Yes / No / Explain	
8	DELAY IN COMPLETION / LIQUIDATED DAMAGES :If the Contractor fails to deliver the stores within the time specified in the Contract or any extension thereof, the Purchaser shall recover from the Contractor as Liquidated Damages a sum of one-half of one per cent (0.5%) of the Contract price of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed ten percent (10%) of the contract price of the unit or units so delayed. Stores will be deemed to have been delivered only when all their component parts are also delivered. If certain components are not delivered in time, the stores will be considered as delayed until such time as the missing parts are delivered.	Yes / No / Explain	
9	Warranty	Yes / No / Explain	
10	Validity	Yes / No / Explain	
11	Name and Address of the company on whom purchase order to be placed (OEM if any should be added in your E-Procurement profile under Add Agent/Principal without fail). Address indicated here must be available in your profile as a Principal/Agent failing which PO will be placed on the e-procurement address available in the profile.	Yes / No / Explain	

12	Certificate of Undertaking: Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods or services (including consultancy services and non consultancy services) or works (including turn-key projects) only if the bidder is registered with the Competent authority (i.e. DPIIT). Hence, it is mandatory to furnish Certificate of Undertaking as indicated in the tender document.	Yes / No / Explain	
13	Foreign vendors are permitted to quote. 1. Class -I and Class-II Local suppliers as per make in India policy are also eligible to participate in the bid. 2. The percentage of local content should be specifically mentioned in the offer if the quote is from Class-I or Class-II local supplier 3. Preference will be given to class-I Local Supplier and in their absence, class-II Local suppliers and in their absence Non-Local suppliers will be considered.	Yes / No / Explain	
14	Percentage of local content for the quoted item.	Yes / No / Explain	
15	Details of location (s) at which the local value addition is made	Yes / No / Explain	
16	GeM Seller ID: As per Gol OM No. 6/9/2020-PPD dated 24.08.2020 and DO No. 170/CEO-GeM/2020, sellers providing Goods and Services to Central Government Organizations shall be registered on GeM and obtain a unique GeM registered ID. Hence please get registered in GeM and furnish your GeM Seller ID.	Yes / No / Explain	
17	Any other terms	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	SYNTHESIZER Low Noise Phase & Frequency Offset Generator HROG	5.00 Nos.		-		

2	WARRANTY Extended Warranty for HROG for 4 years/unit	5.00 Nos.		-		
3	Time Distribution Unit Frequency Divider	5.00 Nos.		-		
4	WARRANTY Extended Warranty for Frequency Divider for 4 years/unit	5.00 Nos.		-		

Common charges (Applicable for all items)

P&F Charges	
Freight Charges	
Installation Charges	
Documentation & Handling Charges	
Other Charges (If any)	