



National Centre for Radio Astrophysics

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

NCRA, Savitribai Phule Pune University Campus, Post Bag 3, Ganeshkhind, Pune 411 007, India

Telephone off. Purchase +91 20 2571 9266 / 9206 / 9276; General + 91 20 2571 9000, 2571 9111

Email : purchase@ncra.tifr.res.in, Website : www.ncra.tifr.res.in

E-TENDER NOTICE

Tender Document
For

Development, Manufacturing and Supply of Spares for Planetary Gearbox of GMRT Antenna Elevation Axis (as per the drawings) at GMRT Khodad, Near Narayangaon, Tal. Junnar, Dist. Pune 410504, Maharashtra.

E-TENDER NO: NCRA:WF131:CPPP:2024

Online Bid Submission : <https://eprocure.gov.in>

Online CPPP Tender No. : 2025_DAE_854125_1 dt. 21.03.2025



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PART A – NOTICE INVITING TENDER

1.0 Tender Notice

Online bids under **Two- bid System** are invited on behalf of Centre Director, NCRA-TIFR, Pune for award of contract for **Development, Manufacturing and Supply of Spares for Planetary Gearbox of GMRT Antenna Elevation Axis (as per the drawings) at GMRT Khodad, Near Narayangaon, Tal. Junnar, Dist. Pune 410504, Maharashtra.**

The details of the tender including the scope of work, technical specification etc is given in this tender document. All the prospective bidders are requested to go through the tender document before submitting their bids.

Tender No. : NCRA:WF131:CPPP:2024

CPPP Tender No. : 2025_DAE_854125_1 dt. 21.03.2025

Name of Work/Service/Supply	: Development, Manufacturing and Supply of Spares for Planetary Gearbox of GMRT Antenna Elevation Axis (as per the drawings) at GMRT Khodad, Near Narayangaon, Tal. Junnar, Dist. Pune 410504, Maharashtra
Estimated Cost of Work/Service/Supply	: Rs. 19 Lakhs (Rs. Nineteen Lacs Only incl GST)
Location of supply/work/service/Supply	: GMRT-NCRA, Khodad, Near Narayangaon, Tal. Junnar, Dist. Pune.
Online download of Tender documents	: From 21.03.2025 to 21.04.2025 upto 1500 hrs Tender documents can be downloaded from NCRA website: www.ncra.tifr.res.in under public Tenders or CPP portal https://eprocure.gov.in .
Cost of tender documents	: Nil.
Earnest Money Deposit	: EMD of Rs Rs. 38,000/- is to be submitted to NCRA-TIFR, Pune.
Pre-bid queries	: Prospective bidders are requested to submit their pre-bid queries via email to mechanical@gmrt.ncra.tifr.res.in prior to the pre-bid meeting ie on or before 01 April 2025 . This will ensure that the queries can be addressed effectively during the meeting.
Pre-bid meeting	: A pre-bid meeting with all prospective bidders is scheduled to be held offline on April 02, 2025, at 2:30 PM at GMRT-TIFR, Khodad Village, Tal Junnar, Dist. Pune – 410504 . Interested applicants/firms are invited to attend the meeting with a written statement of their queries. For those unable to join in person due to location constraints, an online meeting will also be arranged . However, attending the offline meeting will provide an opportunity to inspect the spares and items tendered at the venue site office .

A **Zoom or Google Meet link** will be shared with the bidders **upon email request**, provided at least **two days before the meeting**.

Notification of amendments to the tender document

: If the technical specification requires any modification, suitable amendment to this tender document will be issued and the same will form part of the tender document. Prospective bidders are advised to regularly visit the NCRA-TIFR web site or the CPP portal. Corrigendum/amendments etc., if any, will be notified only on the NCRA-TIFR web site/CPP portal and no separate advertisement will be made for this.

Submission of Bids

: The bids are required to be submitted online on the CPP portal i.e <http://eprocure.gov.in> . Under the Two bid system the Technical bid and Price bid are required to be uploaded separately on portal.

Website for Online Bid Submission : <https://eprocure.gov.in>

Last date and time for online submission of bids: 21.04.2025 upto 15.00 hrs (BID DUE DATE)

Date and time of opening of tender : 23.04.2025 at 15.00 hrs (Technical Bid Only)

Period for completion of work

: Entire work to be completed within 120 **days**
(One hundred twenty days) from the date of issue of work order.

KINDLY NOTE THAT ONLY ONLINE BID WILL BE CONSIDERED AGAINST THIS TENDER. Further, requests for postponement will not be entertained. Bids sent by post/Fax/email shall be rejected straightaway. Centre Director, NCRA-TIFR, Pune reserves the right to accept/ reject any or all tenders either in part or in full without assigning any reasons thereof.

CPPP Tender Submission Notification

All bidders submitting their bids on the CPPP portal must also send a confirmation email to

purchase@ncra.tifr.res.in immediately after successful submission. This will enable us to track

participation and take timely action if bid responses are low to avoid the retendering process.

Bidders are advised to submit their bids at least one day before the due date or at least **four hours before the**

deadline to avoid any technical or system errors.

Purchase Officer NCRA-TIFR, Pune

Note:

- 1) **In case of any clarification with regard to submission of bids please contact Purchase Department, NCRA-TIFR, Pune ; Tel: 020-25719266-9276-9206.**

Also, you may contact **Shri J.R.Nalawade** email : nalawade@gmrt.ncra.tifr.res.in/
Shri A.K. Nandi email: nandi@gmrt.ncra.tifr.res.in for any technical clarifications; Tel.
02132-258400 / 300 and or mechanical@gmrt.ncra.tifr.res

Stamp and Signature of the Bidder

- 2)** The bidders are advised to read the “Guidelines to bidders on CPPP’s e-procurement module” available at the end of this tender document before submitting their bids.

A) General Instructions:

- 1.** The Prospective bidder shall carefully examine and understand the specifications/conditions of the tender document/ Request For Proposal (RFP) and seek clarifications in writing, if required, to ensure that they have understood all specifications/conditions of tender/RFP. These clarifications should be sought before submission of bids. If no such clarifications are sought in writing, it will be taken that the Bidder has read, understood and accepted all the terms, conditions and specifications in the tender document/RFP.
- 2.** The Bidder is required to upload a copy of this tender document/RFP, with all pages signed by the authorized person, to confirm that Bidder has read and understood the conditions of this tender document/RFP and that the proposal is submitted in full understanding and agreement of the requirements of NCRA-TIFR.
- 3.** The Bidder shall bear all costs associated with the preparation and submission of the Bid, and NCRA-TIFR will in no case be responsible for those costs, regardless of the conduct or outcome of the bidding process.
- 4.** NCRA-TIFR reserves its rights to amend any of the terms and conditions of the tender document. All such changes can be made upto one week before the last date of submission of bid. The notice of such amendment will be published on NCRA/CPPP website only. No separate advertisement will be issued in the newspapers for such changes / corrigendum's. All the prospective bidders are therefore requested to regularly visit NCRA/CPPP website for any such updates.
- 5.** The complete bid shall be online as per the specified formats only. The bids should be without alteration or erasures, except those to accord with instructions issued by the NCRA-TIFR or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.
- 6.** The bidder shall submit only one option, which is best suitable to meet NCRA-TIFR requirements. The bids submitted with more options shall be liable to be rejected.
- 7.** The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and NCRA-TIFR, shall be in English only.
- 8.** Wherever a specific form is prescribed in the Bid document, the Bidder shall use the form to provide relevant information. If the form does not provide space for any required information, space at the end of the form or additional sheets shall be used to convey the said information. For all other cases, the Bidder shall design a form to hold the required information.
- 9.** The Bidder shall explicitly indicate the non-compliance or deviation of the Solution offered in the Proposal to all the terms, clauses, conditions and specifications stipulated in this RFP. If non- compliance or deviation for any term, clause, condition or specification is not explicitly indicated, it will be construed as compliance and if successful in the bid, the bidder is obligated to comply with all the requirements (excluding those non-compliances explicitly accepted by NCRA-TIFR in writing) in toto.
- 10.** Successful bidder shall perform all the obligations specified in accordance with the terms and conditions laid down in the tender document/RFP. All details provided by the Bidder should be specific to the requirements specified in this tender document/RFP. Detailed clarification may be provided by Bidder, if so desired by NCRA-TIFR. The Bidder shall specify the responsibilities of NCRA-TIFR, if any, separately for the successful implementation of the project.

11. Bidder shall ensure that all documents are uploaded with the Technical bids or Price bid. The “**TECHNICAL BID**” **should** contain the following documents:

- i) Registration / empanelment certificate with government organization / semi-govt organization / PSU / reputed private organization etc.
- ii) Scanned Copies of Demand Draft/ Pay Order for EMD.
- iii) Copy of PAN (Permanent Account Number) card.
- iv) List of similar works in hand & works carried out by them for last 7 years indicating A) Agency for whom executed, B) Value of work, C) Completion time as stipulated and actual, or present position of the work
- v) Experience testimonials along with work orders and completion certificates.
- vi) Bank solvency certificate
- vii) Certificate of Registration for GST and Income Tax and acknowledgement of up to date filed return if required.
- viii) List of construction plant, machinery, equipment, accessories & infrastructure facilities possessed by the bidder List of Technical staff possessed by the bidding agency.

B) Earnest Money Deposit (EMD)

The Earnest Money Deposit (EMD) will be accepted only in the form of Insurance Safety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt (any one) from any Commercial Bank or payment online in an acceptable form, safeguarding the purchaser's interest in all respects for the following purpose (Drawn in favour of Director, NCRA-TIFR, Pune).

	Earnest Money Deposit (EMD) (to be enclosed with Technical Bid-Part I)
In Figure	Rs. 38,000/-
In Words	Rupees Thirteen eight Thousand Only

No exemption in Earnest Money Deposit (EMD) shall be given.

Tender submitted without requisite amount of Earnest Money Deposit (EMD) shall be rejected and their commercial bids shall not be opened. No interest is payable on EMD.

The EMD will be returned to the bidders (s) whose offer is not accepted by NCRA-TIFR within one month from the date of the placing of the final order(s) to the selected bidder(s).

The Earnest Money Deposit will be forfeited: If a bidder withdraws the bid during the period of bid validity specified by the tender OR fails to furnish Performance Guarantee within the stipulated time period mentioned in the tender documents.

Note : If, in the view of bidder, any exemption / relaxation is applicable to them from any of the eligibility requirement, under any Rules / Guidelines / Directives of Government of India, bidder may submit their claim for any applicable exemption / relaxation. **Quoting the valid Rule / Guidelines / Directives with a copy of such notification. In this case the bidder must submit necessary and sufficient documents along with the technical bid, in support of their claim. The relevant and valid certificates in support of claim their of exemption must be submitted along with the Technical Bid.**

Bank Details for online Transfer of payment : -

Bank A/c Name : TIFR
Name of Bank : Bank of India
Branch : Pashan Road, Pune
Bank A/c No : 51620110000508
IFSC code : BKID0000516

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with technical bid – Part-I).

C) Warranty : The contractor/ supplier will provide warranty stating that the supplied product will be free from defects and will perform as described for a specified period of three years from the date of supply.

D) Performance guarantee: The tenderer, whose tender is accepted, will be required to furnish a performance guarantee of 5% of the tendered amount within 21 (twenty) working days from the date of letter of acceptance / intimation or placement of contract. This guarantee shall be in the form bank guarantee/ Demand Draft / Pay Order / Banker's cheque issued by a Scheduled Bank.

The performance guarantee shall be returned to the contractor, without any interest after the warranty period + two months.

The Engineer-in-charge shall make a claim under the Performance guarantee for amounts to which the Centre Director, NCRA-TIFR entitled under the contract (notwithstanding and / or without prejudice to any other provisions in the contract agreement) in the event of:

a) Failure by the contractor to pay Centre Director, NCRA-TIFR any amount due, either as agreed by the contractor or determined under any of the Clauses / Conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in- charge.

In the event of the contract being determined under provisions of any of the relevant clauses of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Centre Director, NCRA-TIFR.

E) Acceptance of Tender: The competent authority, on behalf of Centre Director, National Centre for Radio Astrophysics (NCRA), Tata Institute of Fundamental Research (TIFR), Pune, does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all the tenders received, without assignment of any reason. All tenders, in which any of the prescribed condition is not fulfilled or any condition, including that of conditional rebates is put forth by the tenderer, shall be summarily rejected.

The Competent Authority, on behalf of the National Centre for Radio Astrophysics (NCRA), Tata Institute of Fundamental Research (TIFR), Pune reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates quoted. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest tender or any other tender.

- F) Validity of Tender:** The tender for the work shall remain open for acceptance for a period of **120 days** from the last date of submission of tenders. If any tenderer withdraws his tender before the said period, or before issue of Letter of Acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the Department, then National Centre for Radio Astrophysics (NCRA), Tata Institute of Fundamental Research (TIFR), Pune shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money absolutely. Further the tenderer shall not be allowed to participate in the retendering process of the work.
- G) Levy / Taxes payable by contractor:**
GST @18% on materials and services in respect of this contract (or as applicable from time to time as per Govt. notification) shall be payable by the contractor.
- H) Deduction of Income Tax :**As per Section 194-C of Income tax Act 1961, as amended by letter No. 275/9/72/9-TJ (Circular No. 86) dated 19.5.72 and No. 275/14/91-IT (B) (Circular No. 593) dated 5.2.91, received from Ministry of Finance, Department of Revenue, Central Board of Direct Taxes, New Delhi, the Income tax @ 2% and Surcharge thereon @12% (or any other amended rate by Ministry of Finance from time to time), of the gross value of the work done will be recovered from the bills. A certificate for the amount so recovered will be issued by the Department.
- I) Signing of Tender and receipts for payments:** In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of-attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act-1952. Receipts for payments made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.
- J) Tenderer's responsibilities:** The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice & all other contract documents, and has made himself aware of the scope & specifications of the work to be done and local conditions and factors having a bearing on the execution of the work. Electricity shall be provided for the work by NCRA-TIFR free of charge.
- K) Canvassing,** either directly or indirectly, in connection with the tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection and may be barred from the future participation in NCRA-TIFR works.
- L) Inspection :** If order is placed, inspection of material to be done at vendors premises, prior to dispatch of material, test certificate to be give alongwith the material.

Purchase Officer
For and on behalf of **National Centre for Radio Astrophysics (NCRA),
Tata Institute of Fundamental Research (TIFR), Pune**

The procurement shall be carried out through submission of online tenders only. No offer in physical form will be accepted and any such offer if received by NCRA-TIFR will be outrightly rejected. Tender documents can be downloaded from website of CPPP www.eprocure.gov.in. The bids are to be uploaded/submitted in electronic form on website www.eprocure.gov.in.

The steps noted below shall be the general methodology to be followed by the bidders for submission of his bid on the E-procurement module of CPPP: -

1. It is mandatory for tenderer to have a valid digital signature certificate issued by any of the valid Certifying Authority approved by Government of India for participation in tendering event at the time of submission of offer. The cost of digital signature will be borne by respective tenderer.
2. Offer against the NIT has to be submitted online on e_procurement website mentioned in the NIT with valid digital signature certificate. The bidders shall be required to submit their offers in 2 separate parts_ (a) 'Technical & 'Un-priced Commercial Bid' and (b) 'Financial Bid'.
3. Submission of online Bids / Offers electronically against E-tendering: All interested bidders are requested to register themselves on www.eprocure.gov.in with their digital signature certificate with the user ID for participation in the tender. Kindly refer bidders manual kit available on bidders section on above mentioned website for details procedure for bid submission or Bidders can take help of Helpdesk Center (18002337315) for registration and bid submission procedures.
4. The Unpriced Technical Bids and Price Bid have to be submitted online only. However, documents which necessarily have to be submitted in originals like EMD instrument if applicable have to be submitted offline.
5. The online offer, Pre-qualification details & Technical Bid, shall be opened as per the date and time mentioned in the NIT.
6. The Technical & Un-priced Commercial bids opened shall be scrutinized for technical commercial acceptability including the pre-qualification criteria. The offers not fulfilling these criteria as per the NIT shall be rejected outright.
7. The offer which meets the NIT requirements, technically (including pre-qualification criteria) and commercially, shall be eligible for further consideration.
8. Price bids of bidder shall be considered who fulfill the Eligibility criteria and techno-commercial requirement of NIT. Please read instructions given below before submission of Price Bid i.e. BOQ (spread sheet).
9. Bids should be submitted as per following instructions only:

(A) Technical Bid:

Packet 1: Scanned copy of "Technical Bid" along with the scanned copies of technical Details /

Documents as per tender document

Packet 2: Scanned copy of DD / Pay Order (For EMD).

(B) FINANCIAL BID:

Financial Bid i.e. BOQ given with tender to be uploaded after filling all relevant information like rate. The Rate should be inclusive of all charges and no other charges shall be considered. The priced BOQ should be uploaded strictly as per the format available with the tender failing which the offer is liable for rejection (renaming or changing format of BOQ sheet will not be accepted by system)

The Evaluated Cost shown in last column of BOQ sheet is the amount on which Lowest bidder will be decided subject to the bid being found technically qualified.

(C) Please read following instructions before filling & submission of BOQ sheet:

- a. Please note that e-procurement system accepts the uploaded BOQ sheet only, any modification in file format or changing name of file will results into non-acceptance of your offer by e-Procurement System.
- b. Kindly fill data in fields of 'BOQ Sheet' as per following Instruction only:
Bidders Name: Kindly put complete name of bidding firm/company Rate:
Kindly put the 'Rate per unit (Inclusive of all charges)' e.g. Rs. 500 per Item in white cell in front of each item you want to quote.
- c. Please save your BOQ sheet (Financial bid) without changing name and format and upload this completed BOQ sheet in Finance Envelope (Part-II).

1. PRE-QUALIFICATION CRITERIA:

All the documents pertaining to the eligibility conditions needs to be uploaded along with the technical bid on the CPPP Portal. The bids which are found to be not meeting with any or all the conditions shall be declared technically disqualified and will not be eligible for opening of their financial bids.

2. Additional Eligibility Criteria – to be filled as per statement attached.

Additional ELIGIBILITY CRITERIA

Sr. No.	Description	Details to be furnished by the contractor, enclosing relevant documents in the technical bid.		
1	Bid must be valid for a minimum period of 120 (One Hundred Twenty Days) from the due date for submission of bid.			
2	Bidder must have been in the business for manufacturer of the items tendered and must have their own capacity to manufacture or must have executed orders for similar items for the past five years prior to this advertisement/tender/bid.			
3	Annual turnover as per ITCC or profit & loss statement for the last 5 years. Average annual turnover for the last 3 financial years should be at least Rs. 19 Lacs , not having incurred any loss in more than 2 years during last 5 years ending, March 2024.			
4	Bidders must have Experience of manufacture and supply of Multi stage planetary Gearbox and its spares least during last five years ending 31 March, 2024 (i.e. between 01.04.2019 to 31.03.2024) as per following :			
	One similar work completed costing not less than Rs 15.20 Lacs (Rs Fifteen Lacs twenty thousand); Or			
	Two similar works completed costing not less than Rs 11.40 Lacs (Rs Eleven lacs and forty thousand); Or			
	Three similar works completed costing not less than Rs 7.6 Lacs (Rs Seven lacs and sixty thousand)			
	a. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to the last date for submission of bids. b. Copies of work orders together with completion certificates duly signed by the competent authority to be submitted evidencing the above without fail.			
5	Bidder must submit Chartered Accountant's Certificate showing their turnover and Profit & Net worth for the past Financial 5 years i.e. prior to 31.03.2024 i.e. for 2019-20, 2020-21, 2021-22, 2022-23, 2023-24. Do not enclose copies of Profit and Loss and Balance Sheets statement and IT returns.	Period	Turnover	Net Profit / Net Worth
		2019-20		
		2020-21		
		2021-22		
		2022-23		
		2023-24		
6	Latest Bank Solvency from nationalized / scheduled bank for a minimum amount of Rs 7.60 (Rs Seven Lacs sixty Thousand Only) – To be submitted as per our Format (Annexures) enclosed.			
7	Successful bidder must be able to submit: - Performance Guarantee for the warranty period of three years + 2 months and other documents mentioned in the Annexures of this tender, wherever applicable.			

NOTE : KINDLY FILL UP THE ABOVE DETAILS AND ENCLOSE ALONGWITH YOUR TECHNICAL BID – PART I, OTHERWISE YOUR BID WILL BE REJECTED.

A. Definitions:

- a) The ‘**Contract**’ means the documents forming the tender and acceptance thereof and the formal agreement executed between the Competent authority on behalf of the Centre Director, NCRA-TIFR and the Contractor together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in-charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
- b) The expression ‘**Works**’ or ‘**Work**’ shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent and whether original, altered, substituted or additional.
- c) The ‘**Site**’ shall mean the land or other places on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
- d) The ‘**Contractor**’ shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personnel representative of such individual or the persons composing such firm or company or the successors of such firm or company and the permitted assignees of such individual, firm or company.
- e) The ‘**Engineer-in-Charge**’ means the Engineer / Officer, who shall supervise and be in charge of the work on behalf of NCRA-TIFR, Pune.
- f) ‘**Temporary Work**’ means all temporary works of every kind required in or about the execution, completion and maintenance of the works.
- g) ‘**Market Rate**’ shall be the rate as decided by the Engineer-in-Charge on the basis of the cost of materials and labour at the site where the work is to be executed plus 15% to cover, all overheads and profits.
- h) ‘**NCRA-TIFR**’ means National Centre for Radio Astrophysics-Tata Institute of Fundamental Research, Pune.
- i) ‘**Tendered value**’ means the value of the entire work as stipulated in the letter of award / acceptance.
- j) **Time Limit:** The time allowed for carrying out the work reckoned from 10th day of the date of issue of work order OR from the date of handing over the site.

B. Declaration by tenderer: The tenderers shall sign a declaration under the Official Secret Act-1923 for maintaining secrecy of the tender documents, drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.

C. Filling up of rates: All rates shall be quoted on the tender form by the tenderers in figures and words. All rates shall be quoted on the prescribed tender form. The amount for each item should be worked out and requisite totals given.

- i. The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and considering more than fifty paise as rupee one.
- ii. If a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall, unless otherwise proved, be taken as correct.
- iii. If the amount of an item is not worked out by the tenderer, or it does not correspond with the rate written either in figures or in words, then the rates quoted by the tenderer in words shall be taken as correct.
- iv. Where the rate quoted by the tenderer in figures and in words tally but the amount is not worked out correctly, the rate quoted by the tenderer will, unless otherwise proved, be taken as correct and not the amount.

- D. Quoted rates to includes all taxes:** As per the directives of the Government Authorities, the tax due at the rates notifiedby the Government from time to time, shall be deducted from the bills payable to the Contractors, for which TDS certificate shall be issued by the Department.
- E. Action in case of un realistic rates:** In the case of any tender where unit rate of any item (s) appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.
- F. Sufficiency of Tender:** The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Bill of Quantities, at which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

1. TIME FOR COMPLETION OF WORK:

Entire work/supply to be completed within **maximum 120 days (one hundred twenty days)** from the date of issue of work order. The period may be extended, if the reasons furnished are acceptable to the Centre.

2. Compensation for delay / Liquidated Damages : If the contractor fails to maintain the required progress in terms of contract or to complete the work and clear the site on or before the stipulated or extended date of completion, he shall, without prejudice to any other right or remedy available under the Law to the Govt. on account of such breach, pay as agreed compensation the amount calculated at **1.5% per month of delay to be computed on per day basis** on the amount of tendered value of the work for every completed day / month (as applicable) that the progress remains below that specified or that the work remains incomplete. Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the value of work order or value of the item or group of items of work for which a separate period of completion is originally given.

3. Determination of contract: Subject to other provisions contained in this clause, the Engineer-in-Charge may, without prejudice to his any other right or remedy against the contractor in respect of any delay, inferior workmanship, any claim for damages and /or any other provisions of this contract or otherwise, and whether the date for completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:

- i. If the contractor having been given by the Engineer-in-Charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or unworkman-like manner shall omit to comply with the requirements of such notice for a period of 7 days thereafter.
- ii. If the contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Engineer-in-Charge (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continue to do so after a notice in writing of 7 days from the Engineer-in-Charge.
- iii. If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-Charge.
- iv. If the contractor persistently neglects to carry out his obligations under the contract and / or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge.
- v. If the contractor shall offer or give or agree to give to any person in NCRA-TIFR or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for NCRA-TIFR.
- vi. If the contractor shall obtain a contract elsewhere as a result of wrong tendering or other non-bonafide methods of competitive tendering.
- vii. If the contractor assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Engineer-in-Charge.
- viii. If the work is not started by the contractor within 1 / 8th of the stipulated time.

ix. When the contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-Charge on behalf of the Centre Director, NCRA-TIFR shall have powers:

A) To determine the contract as aforesaid (of which termination notice in writing to the contractor under the hand of the Engineer-in-Charge shall be conclusive evidence). Upon such determination, the Earnest Money Deposit, Security Deposit already recovered and Performance Guarantee under the contract, shall be liable to be forfeited, and shall be absolutely at the disposal of NCRA-TIFR.

B) After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof, as shall be unexecuted out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined as above, shall not be allowed to participate in the tendering process for the balance work.

x. In the event of above courses being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provisions aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the Engineer-in-Charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

4. Contractor liable to pay compensation even if contract is not determined: In any case in which any of the powers conferred upon the Engineer-in-Charge under the contract, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of the Engineer-in-Charge which shall be final and binding on the contractor), use as on hire (the amount of the hire money being also in the final determination of the Engineer-in-Charge) all or any tools, plant, materials and stores, in or upon the works, or the site thereof, belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work / or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being applicable, at current market rates to be certified by the Engineer-in-Charge, whose certificate thereof shall be final and binding on the contractor, his clerk of the works, foreman or other authorised agent to remove such tools, plant, materials, or stores from the premises (within a time to be specified in such notice); in the event of the contractor failing to comply with any such requisition, the Engineer-in-Charge may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and at his risk in all respects and the certificate of the Engineer-in-Charge as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.

5. Time Extension for delay: The time allowed for execution of the works as stipulated in the contract or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in contract. If the Contractor commits default in commencing the execution of the work as aforesaid, NCRA-TIFR shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money & performance guarantee and security deposit absolutely.

As soon as possible after the Contract is signed, the Contractor shall submit a Time and Progress Chart for each mile stone and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programed has been agreed upon) to complete the work as per the mile stones given.

If the work(s) be delayed by:

- i. Force majeure, or
- ii. Abnormally bad weather, or
- iii. Serious loss or damage by fire, or
- iv. Civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or
- v. Delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in executing work not forming part of the Contract, or
- vi. Non-availability of stores, which are the responsibility of NCRA-TIFR to supply or
- vii. Non-availability or break down of tools and plant to be supplied or supplied by NCRA-TIFR or
- viii. Any other cause which, in the absolute discretion of the Engineer-in-Charge is beyond the Contractor's control,

then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.

Request for rescheduling of Mile stones and extension of time, to be eligible for consideration, shall be made by the Contractor in writing within 14 days of the happening of the event causing delay on the prescribed form. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired. In any such case the **Engineer-in-Charge** may give a fair and reasonable extension of time and reschedule the mile stones for completion of work. Such extension shall be communicated to the Contractor by the Engineer-in-Charge in writing, within 3 months of the date of receipt of such request. Non-application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Engineer-in-Charge and this shall be binding on the contractor.

6. Payment

- i) Payment will be made within 30 days after receipt and acceptance of the items.
- ii) All payments will be made after adjusting GST TDS, Income Tax, TDS and labour Cess deduction at prevailing rates. Appropriate certificates shall be issued to the contractor towards statutory deductions.
- iii) any other dues.
- iv) No escalation and advance payment will be made till the completion of the project.
- v) will be based on actual measurements of work done.
- vi) Bills will be settled only after satisfactory completion of the work and bill certified by our Engineer.
- vii) Contractor shall submit all bills to :
**Giant Metrewave Radio Telescope (GMRT),
National Centre for Radio Astrophysics (NCRA),
At Post Khodad, Near Narayangaon,
Tal. Junnar,
Dist. Pune 410504 , Maharashtra.**
- viii) Payment will be made by from NCRA-TIFR, Pune NEFT/RTGS.

- 7. Work to be executed in accordance with specifications, drawings, orders, etc. :** The contractor shall execute the whole and every part of the work in the most substantial and workman like manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the designs, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge. The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale. The following order of preference shall be observed :

- a) Description of Bill of Quantities.
- b) Particular Specifications and Special Clauses, if any.

- c) Drawings.
- d) Department of Atomic Energy Specifications
- e) C.P.W.D. Specifications.
- f) Indian Standard Specifications of B.I.S.
- g) Manufacturer's specifications

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction. The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

Sample Gearbox for Dimensional Checking fitment & Inspection: <ADD>

As mentioned in the Point No 2 & 3 of Scope of work we will provide one identical Elevation gearbox to the successful bidder for which spares will be manufactured. Item will be given as free issue item. Bidder to check the necessary dimensions & tolerance of the parts from the drawing supplied and the observed readings. These spares will be used for replacing damaged parts of the identical gearbox. It is the bidder's responsibility to ensure fitment of the spares in the gearbox. Bidder to communicate deviations if any between the drawing supplied and the observed dimensions and submit as build drawings along with the supply (in PDF and DWG format). Spares will be tested at vendors premise after replacing the original parts in the gearbox by the manufactured spares. No load operation check load test and other tests will be carried out at vendors premise.

8. Settlement of Disputes & Arbitration:

- 8.1 Centre and the contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 8.2 If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either Centre or the contractor may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after completion Contract.
- 8.3 The dispute settlement mechanism/arbitration proceedings shall be concluded as under:
 - (a) In case of Dispute or difference arising between Centre and contractor relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996 as amended till date and the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to a sole arbitrator mutually acceptable to contractor and Centre. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order. Charges of the arbitrator will have to be shared equally by the Contractor and the Centre.
- 8.4 The venue of the arbitration shall be the place at Pune.

- 9. Confidential Information:** The drawings, specifications, proto-type, samples and such other information furnished to the contractor relating to the supply / work, sub-systems / equipment etc. are to be treated as confidential which shall be held by the contractor in confidence and shall not be divulged to any third party without the prior written consent of the Department. The contractor, therefore, binds himself, his successors, heirs, executors, administrators, employees and the

permitted assignees or such other persons or agents directly or indirectly concerned with the work / supply to the confidential nature of the drawings, specifications, proto-type samples etc. It is a further condition of the contract that the contractor shall not, without prior written permission from the Department, transmit, transfer, exchange, gift or communicate any such confidential information, and also the component, sub assembly, products, by-products etc. pursuant to the fabrication under taken by the contractor, to any thirdparty.

10. ASSIGNING & SUBLETTING: Assigning or subletting the contract shall not be done unless written permission is obtained from us. Written permission, if given, shall not relieve you from your obligations under the contract and you shall take full responsibility for all work done by sub-contractors. You may sub-contract parts of the order, if necessary only to sub-contractor approved by us. You shall be responsible for transmitting pertinent data/specification of all contract terms and conditions to sub-contractors. You shall furnish to us four (4) copies of all sub-orders (un-priced) showing promised delivery dates and places.

11. RIGHT TO ASSURANCES & REPUDIATION: Whenever we in good faith have reason to question your intent to perform, we may demand in writing that you should give a written assurance of your intent to perform. In the event that the demand is made and no assurance is given within a reasonable period of time, say not exceeding four weeks, we may treat failure as an anticipatory repudiation of the order.

12. INSPECTION: Inspection during the course of work and after the job is ready will be done by us (at vendors works / premises). This does not relieve you of your responsibility to inspect/supervise during all stages of work.

13. PROVISION FOR CANCELLATION : At any time after the acceptance of the order, we shall have the absolute right to cancel the entire order upon payment to you for all disbursements or expenses which you have incurred or become liable for, prior to the date of notice of cancellation, less the reasonable resale value of material and equipment which shall have been obtained or ordered to become an integral part of the work, plus a sum as profit, bearing the same ratio to the profit that you would have received upon completing the work as the work done bears to the entire amount of work to be done by you under this order, provided that the total payment so made shall not exceed the contract price.

14. FORCE MAJEURE : Neither party shall be held responsible for any losses, if the fulfillment of any terms or provisions of the order, are delayed or prevented by Acts of lawful Government revolutions or other disorders, wars, acts of enemies, strikes, fires, floods, acts of God or acts of states without limiting the foregoing. Any other cause not within the control of the party whose performance is interrelated with, and which by the exercise of reasonable deliquance is unable to prevent, whether of the class of causes hereinbefore enumerated or not.

15. TERMINATION OF THE CONTRACT : If you have become bankrupt or have abandoned the work without any serious reason or deliberately delayed the work or is not carrying out the works under the terms and conditions of this contract, the Engineer. Reserves the right to terminate the contract at any time by giving written notice to you and you shall not be eligible for any compensation for the same.

In this case, the department shall take over the charge of the work and other materials lying on the site of works. The work shall carry out by employing other persons. All such work shall be carried out at your own risk and cost. Any difference in the cost due to all such matters shall be deducted by the Institute from the security deposit or your payment against this or any other works.

Scope of work / Technical Specification's and conditions

Scope of Work (SOW) – Supply of Gears and Components for Elevation Gearbox of GMRT Antenna

1. The **detailed Scope of Work (SOW)** is provided in the **BOQ/Price Bid**. The scope includes the supply of **gears and associated components/spares** for the Elevation Gearbox of the GMRT antenna. The Elevation Gearbox is a **multi-stage planetary gearbox**.
2. **Drawings** provided are for reference purposes. The bidder will be provided with **sample spares and/or an existing gearbox** to take detailed measurements and ensure proper fitment with other components when assembled.
3. The bidder must **submit "as-built" manufacturing drawings** for all items manufactured. (In Pdf and Dwg format)
4. The **gear profiles** must be precisely matched to their **mating parts** to ensure proper engagement and functionality.
5. The **bidder is responsible for ensuring the compatibility and smooth operation** of the gearbox after assembly of spares into the gearbox.
6. The scope includes the **supply of all required raw materials** and completion of all necessary manufacturing processes, including:
 - a) Initial processing (if required)
 - b) Hardening and tempering of the gear blanks
 - c) Final machining and gear cutting
 - d) Case hardening of gears
 - e) Final grinding to achieve the **desired profile and finish**
7. **Material test certificates** and **hardness test certificates** must be submitted for all supplied items.
8. Testing will be conducted at the **bidder's premises**, where the parts will be assembled into an existing gearbox for **dimensional measurement and functional testing**.
9. **Inspection will be carried out at the vendor's premises** before dispatch to verify compliance with specifications. Vendor will have to obtain signed pre-dispatch inspection certificate / report from our Engineer regarding acceptance / rejection of items and same will have to be sent to purchase and stores by email. purchase@ncra.tifr.res.in, stores@ncra.tifr.res.in, stores@gmrt.ncra.tifr.res.in
10. **Load Test and No-load test for smooth operation to be carried out after assembly of spares in the gearbox given (refer point No-2)**

For any technical clarification please contact or write to

1. **Shri J.R.Nalawade / Shri A.K. Nandi**
Giant Metrewave Radio Telescope (GMRT),
National Centre for Radio Astrophysics (NCRA),
At post Khodad, Near Narayangaon,
Tal. Junnar, Dist. Pune 410504, Maharashtra

Tel. 02132-258400 / 300

nalawade@gmrt.ncra.tifr.res.in, nandi@gmrt.ncra.tifr.res.in and
mechanical@gmrt.ncra.tifr.res.in with cc to purchase@ncra.tifr.res.in

1) **Bill of Quantities (BOQ) :**

BOQ (Description of the Items):

	Description
1	<p>Spare Gear for Planetary Gearbox of Elevation Axis- Details- <u>Ring Gear for Stage I,II,III</u> as per Drawing No- GMRT-08-169-DD-EL02-00 and sample given Material- 34 Cr Ni Mo6, Blank Hardened and Tempered, Hardness 280- 302 BHN , Gas Nitriding with case hardness >540 BHN & case depth 0.3- 0.4mm (finished) Size-Ring OD-310 mm , width 220mm, Having three different internal gear on same ring- ,(I) & (II) Module 2.5 Teeth- 92, (III) Module 2.5 Teeth -99 Work includes with material supply along with necessary machining, drilling tapping, grinding, heat treatment etc and other details as per drawing and sample given.</p>
2	<p>Spare Gear for Planetary Gearbox of Elevation Axis- Details- <u>Sun Gear with spline for Stage IV</u> as per Drawing No- GMRT-08-169-DD-EL07-00 and sample given Material, 34Cr Ni Mo6 Hardness Core- >30 HRC, Gears to be grinding finish with Case Carburized having Case hardness : 58-62 HRC and with Case Depth0.8 – 1.0 , Size- Sun Gear- Module- 5 Teeth- 14 width 72mm, Spline- Module 3 Teeth- 24 width- 40mm, Total Length of the part 189 mm Work includes with material supply along with necessary machining, grinding, heat treatment etc and other details as per drawing and sample given.</p>
3	<p>Spare Gear for Planetary Gearbox of Elevation Axis- Details- <u>Sun Gear with spline for Stage III</u> as per Drawing No- GMRT-08-169-DD-EL05-00 and sample given Material- 18Cr Ni Mo 7-6 , Hardness Core- >30 HRC, Gears to be grinding finish with Case Carburized having Case hardness : 58-62 HRC and with Case Depth0.45-0.5 , Size- Sun Gear- Module 2.5 Teeth- 21 width-46mm, Spline- Module 2.5 Teeth- 21 width 17mm, Total Length of the part 74mm with internal bore 18mm Work includes with material supply along with necessary machining, grinding, heat treatment etc and other details as per drawing and sample given.</p>
4	<p>Spare Gear for Planetary Gearbox of Elevation Axis- Details- <u>Sun Gear with spline for Stage II</u> as per Drawing No- GMRT-08-169-DD-EL03-00 and sample given Material- 18Cr Ni Mo 7-6 Hardness Core- >30 HRC, Gears to be grinding finish Case Carburized having Case hardness - 58-62 HRC and with Case Depth0.45-0.5 Size- Sun Gear- Module 2.5 Teeth- 22,width 36mm Spline- Module 2.5 Teeth- 22 width 17mm Total Length 63mm with internal bore 22mm Work includes with material supply along with necessary machining, drilling tapping, grinding, heat treatment etc and other details as per drawing and sample given.</p>

5	<p>Spare Gear for Planetary Gearbox of Elevation Axis- Details- Input Shaft with one side Internal Spline Gear and other side bore with keyway , as per Drawing No- GMRT-08-169-DD-EL08-00 and sample given Material- EN24 Hardened and tempered Hardness 260-290 BHN Size- Shaft OD 65 Long 104.5mm Internal spline -Module-2 Teeth 18 width 16mm, other side 35mm dia bore with keyway Work includes with material supply along with necessary machining, drilling tapping, grinding, heat treatment etc and other details as per drawing and sample given.</p>
	Description
6	<p>Spare Gear for Planetary Gearbox of Elevation Axis- Details- Planet Gear for Stage III as per Drawing No- GMRT-08-169-DD-EL06-00 and sample given Material- 18Cr Ni Mo 7-6 Hardness Core- >30 HRC, Case Carburized having Case hardness - 58-62 HRC and with Case Depth0.45-0.5 (finished) Gears to be grinding finish Size- Width 40mm , Module 2.5 Teeth 39 with internal bore (for bearing fixing) and circlip groove as per drawing Work includes with material supply along with necessary machining, grinding, heat treatment etc and other details as per drawing and sample given.</p>
7	<p>Spare Gear for Planetary Gearbox of Elevation Axis- Details- Planet Gear for Stage II as per Drawing No- GMRT-08-169-DD-EL04-00 and sample given Material- 18Cr Ni Mo 7-6 , Hardness Core- >30 HRC, Gears to be grinding finish , Case Carburized having Case hardness - 58-62 HRC and with Case Depth0.45-0.5 Size- Width 20mm , Module 2.5 Teeth 35 with internal bore (for bearing fixing) and circlip groove as per drawing Work includes with material supply along with necessary machining, grinding, heat treatment etc and other details as per drawing and sample given.</p>
8	<p>Spare Gear for Planetary Gearbox of Elevation Axis- Details- Planet Gear for Stage I as per Drawing No- GMRT-08-169-DD-EL01-00 and sample given Material- 18Cr Ni Mo 7-6, Hardness Core- >30 HRC, Gears to be grinding finish , Case Carburized having Case hardness - 58-62 HRC and with Case Depth0.45-0.5 Size- Width 20mm , Module 2.5 Teeth 35 with internal bore (for bearing fixing) and circlip groove as per drawing Work includes with material supply along with necessary machining, grinding, heat treatment etc and other details as per drawing and sample given.</p>

Delivery Location of the item :

**Giant Metrewave Radio Telescope (GMRT),
National Centre for Radio Astrophysics (NCRA),
At Post Khodad, Near Narayangaon,
Tal. Junnar,
Dist. Pune 410504 , Maharashtra.**

Typical Photographs for Reference only:

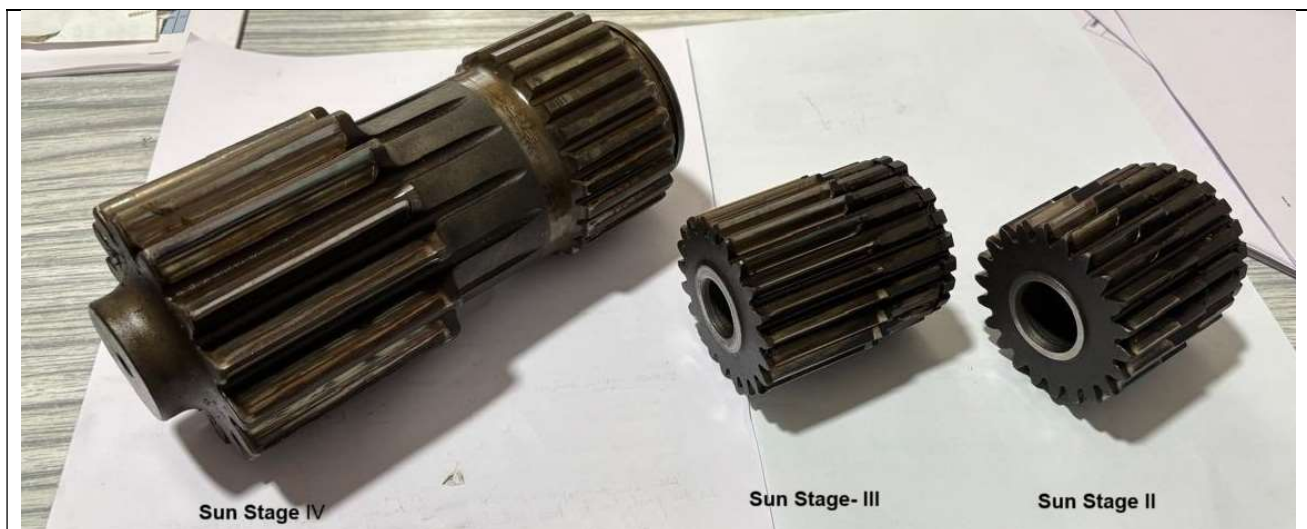


Item-1



Input Shaft

Item 5



Sun Stage IV

Sun Stage- III

Sun Stage II

Item 2, 3 , 4



Planet Stage III

Planet Stage II

Planet Stage I

Item 6,7,8

ANNEXURE I

APPLICATION FORM (TO BE USED FOR TECHNICAL BID)

[NOTE: On the letterhead of the applicant including full postal address, email address, telephone no. and fax no.]

Date: _____

To,
The Centre Director,
National Centre for Radio Astrophysics,
Tata Institute of Fundamental Research,
Savitribai Phule Pune University Campus,
Ganeshkhind, Pune – 411007.

Sir/s,

1. Being duly authorized to represent and act on behalf of(hereinafter referred to as “the Applicant”) and having reviewed and fully understood all the pre-qualification information provided, the undersigned hereby applies to be pre-qualified by yourselves as a tenderer for award of work(s) for **Development, Manufacturing and Supply of Spares for Planetary Gearbox of GMRT Antenna Elevation Axis (as per the drawings) at GMRT Khodad, Near Narayangaon, Tal. Junnar, Dist. Pune 410504, Maharashtra** as per specification attached.
2. Attached to this letter are copies or original documents defining:
 - (a) the applicant’s legal status
 - (b) the principal place of business
 - (c) the place of incorporation (for applicants who are corporations) or the place of registration and the nationality of the owners (for applicants who are partnerships or individually owned firms)
 - (d) All Annexure.
3. Your agency and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This letter of application will also serve as authorization to any individual or authorized representative or any institution referred to in the supporting information, to provide such information deemed necessary and requested by you to verify statements and information provided in this application, or with regard to the resources, experience, and competence of the Applicant.
4. Your agency and its authorized representatives may contact the following persons for further information on general, personnel, technical and financial enquiries.
Contact 1 : Name, email and Phone
no. Contact 2: Name, email and
phone no.
5. This application is made with the full understanding that:
 - (a) Bids submitted by applicants will be subject to verification of all information submitted at the time of bidding
 - (b) Your agency reserves the right to:
 - amend the scope and value of the contract / bid under this project; in such event, bids will only be called from pre-qualified bidders who meet the revised requirements; and
 - reject or accept any application, cancel the pre-qualification process, and reject all applications without assigning reasons or incurring any liability thereof; and
 - (c) Your agency shall not be liable for any such actions and shall be under no obligation to inform the applicant.
6. The undersigned declares that statements made and the information provided in the duly completed application are true and correct in every detail.

Signed and sealed, Name
For and on behalf of

GENERAL INFORMATION

1.	Name of firm with address:
2	Head office address
3	Telephone Contact: Mobile No
4	Fax E-mail No.
5	Place of incorporation/ registration Year of incorporation/ Registration

Signature and seal of the Authorized Signatory of the bidder

CA Certificate
(Financial Capabilities)

(ON CA's Letter Head)

- I. Financial Analysis – Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Financial Year	Turnover	Net Worth / Net Profit
2019-20		
2020-21		
2021-22		
2022-23		
2023-24		

For _____

Chartered Accountants

Name & Signature :

Company Seal & Phone No. :

Date :

SOLVENCY CERTIFICATE**FORM OF BANKERS' CERTIFICATE FROM A
SCHEDULED BANK**

This is to certify that to the best of our knowledge and information that M/s.....
Sh..... having marginally noted address, a customer of our
bank are/is respectable and can be treated as good for any engagement upto a limit of
Rs..... (Rupees.....)

(Signature) For the Bank

NOTE :

- (1) Bankers certificates should be on letter head of the Bank, sealed in cover addressed to tendering authority.
- (2) In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

ANNEXURE –V

EXPERIENCE OF COMPLETION OF PROJECTS OF SIMILAR NATURE & COMPLEXITY

(During last five years ending last day of month previous to the one in which applications are invited)

Sl. No.	Name of work / project and location	Owner or sponsoring organization	Cost of work in Lakhs	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Name and address/ telephone number of officer to Whom reference may be made	Remarks

NOTE : Please attach supporting documents (completion certificates along with order copies) for the above information
Signature and seal of the Authorized Signatory of the bidder

LITIGATION DETAILS (COURT CASES/ARBITRATION)

Year	Name of the work	Name of the Client, with Address	Title of the court Case/Arbitration	Detail of the Court/ Arbitrator	Status Pending/ Decided	Disputed Amount (Current Value, the equivalent) in case of Court Cases/arbitration	Actual Awarded Amount (Rs) in decided Court Cases/arbitration

Signature and seal of Authorized Signatory of bidder

Certificate of Registration

No. _____

Date: _____

**The Centre Director,
National Centre for Radio Astrophysics,
Tata Institute of Fundamental Research,
Savitribai Phule Pune University Campus,
Ganeshkhind, Pune – 411007.**

Dear Sir:

I/We _____ who are established and reputed manufacturers/bidders of _____ having factories/works at _____ (address) do hereby declare that “I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India as per tender clause of GCC. I/We hereby certify that we the undersigned Bidder are not from such a country or, if from such a country, has been registered with the Competent Authority. I/We hereby certify that we fulfill all requirements in this regard and is eligible to be considered. [where applicable, evidence of valid registration by the Competent Authority shall be attached]

Yours faithfully,

(Name)

(Name of manufacturers/ Bidder)

Note: This Certificate/Undertaking should be on the **letterhead of the manufacturer/Bidder** and should be signed by a person competent and having the power of attorney to bind the manufacturer. It should be included by the Bidder in its techno-commercial un priced bid.

Technical Manpower Detail Sheet

S. N.	Name of staff	Qualification	Designation	Years of Experience/ Specialization	Remarks
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					

Details of construction plant, machinery, equipment's, accessories & infrastructure facilities possessed by the bidder

S. N.	Name of Instruments/equipment's along with Make and Model number to be specified	Remarks
01		
02		
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PROFORMA FOR PERFORMANCE BANK GUARANTEE

(On a stamp paper of appropriate value from any Nationalised Bank or Scheduled Bank)

In consideration of the NATIONAL CENTER FOR RADIO ASTROPHYSICS- TATA INSTITUTE OF FUNDAMENTAL RESEARCH (hereinafter called "The NCRA-TIFR") having agreed under the terms and conditions of Work Order No..... dated made between NCRA-TIFR and M/s_

..... (hereinafter called " the said Contractor{s}") .forthe work.....(hereinafter called " the said Work Order")

having agreed to production of a irrevocable bank Guarantee for Rs. (Rupees only), as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said Work Order, we(Indicate the name of the Bank) (hereinafter

referred to as "the Bank") hereby undertake to pay to the NCRA-TIFR an amount not exceeding Rs. . (Rs only) on demand by the NCRA-TIFR.

2. We(indicate the name of Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the NCRA-TIFR stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees only).

3. We, the said bank, further undertake to pay to the NCRA-TIFR any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We(indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Work Order and that it shall continue to be enforceable till all the dues of the NCRA-TIFR under or by virtue of the Work order have been fully paid and its claims satisfied or discharged or Purchase Officer on behalf of the NCRA-TIFR certifies that the terms and conditions of the said Work Order have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We (indicate the name of Bank) further agree with the NCRA-TIFR that the NCRA-TIFR shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Work Order or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the NCRA-TIFR against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Work Order and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the NCRA-TIFR or any indulgence by the NCRA-TIFR to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. We, (indicate the name of Bank) lastly undertake not to revoke this guarantee except with the previous consent of the NCRA-TIFR in writing.

8. This guarantee shall be valid up to , unless extended on demand by NCRA-TIFR. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee, all our liability under this guarantee shall stand discharged.

Signed and
sealed Dated the day of for (indicate the name of
Bank)

* * (Note: The Letter of Intent shall form part of the
Agreement)

UNDERTAKING

1. We have studied the **complete tender document** and accept all the terms and conditions.
2. It is certified that my firm/agency/company has never been black listed by any of the Departments / Autonomous Institutions / Universities / Public Sector Undertakings of the Government of India or Government of Maharashtra or any other State Government or Public Sector Banks or Local Bodies / Municipalities and no criminal case is pending against the said firm / agency as on date of bidding.
3. The eligible similar Works (s) has / have not been got executed through another contractor (or by third parties) on back to back by basis.

(Scanned copy of undertaking duly signed and sealed on letter head of the bidder to be uploaded at the time of submission of bid).

Date	:	Signature of the Bidder	:
Place	:	Name of the Bidder	:
Company Seal:		Designation	:

PART – H GENERAL GUIDELINES TO BIDDERS ON CPPP E-PROCUREMENT MODULE

1. Procedure for Registration by the Bidder

- 1.1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "Click here to Enroll" on the CPP Portal.
- 1.2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 1.3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 1.4. Upon enrollment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 1.5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

2. Searching for Tender Documents

- 2.1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 2.2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 2.3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

3. Procedure for preparation and submission of bids

- 3.1. The documents should be page numbered and contain the list of contents with page numbers. The deficiency in documentation may result in the rejection of the Bid.
- 3.2. Bidder should take into account any corrigendum published (if any) on the tender document before submitting their bids.

3.3. Bidders are advised to go through the Tender advertisement and the Tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

3.4. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF formats. Bid documents may be scanned with 100dpi.

3.5. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

3.6. As part of the bid, bidder should provide all the documents as follows:-

- Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- The serve time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- All the documents being submitted by the bidders would be encrypted to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings

4. Assistance to Bidders:

Any queries relating to the NIT document and the terms and conditions contained therein should be addressed to the Purchase Officer, NCRA-TIFR, Pune. For, any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 0120-4200462 / 0120-4001002 / 0120-4001005 / 0120-627778.