

TENDER NOTICE NO. 08 / 2021-2022

Public Tender No. : NCRA:085L:PUB423:2021

The National Centre for Radio Astrophysics (**NCRA**) of the Tata Institute of Fundamental Research (**TIFR**) , Pune (is a leading Centre for research in a wide range of areas in astronomy and astrophysics) a national Centre of TIFR, Mumbai which is under the aegis of Department of Atomic Energy, Government of India.

- 1. NCRA-TIFR**, Pune, India invites sealed bids in two part, Part– I: Techno-commercial Bid & Part – II: Price Bid for the following:

Description of Work	Bid Security Declaration towards EMD
Electrical winch machine of five metric ton capacity with wire rope, as per our tender specifications, drawings, terms and conditions. Type of Tender : Two Bid	Bid Security Declaration as per our format (Annexure F) to be submitted on company's letter head by all bidders.

Downloading of bid Document	From : 20.10.2021, 09.30 hrs. To : 18.11.2021, upto 18.00 hrs.
Due Date and Time for submission of pre-bid queries	10.11.2021, upto 16.00 hrs
Date and Time for Pre-Bid meeting to be held online. *	11.11.2021 at 14.30 hrs.
Submission of bid	25.11.2021 upto 18.00 hrs.
Technical Bid opening (through Zoom / Google meet). (If sufficient bids are received).	Date : 26.11.2021 Time : 14.30 hrs.

*Bidders after downloading the tender document are requested to please send an email to purchase@ncra.tifr.res.in giving their Full address, contact details, email address to inform about the pre-bid meeting.

2. Eligibility Criteria:

Bidder must meet the eligibility criteria specified below and must submit following documents with their bid, evidencing their eligibility.

- a. Bid must be valid for a minimum period of **120 days** from the due date for submission of bid.
- b. Bidders must have been in the business as a manufacturer of the items tendered in India and must have their own capacity to manufacture
- c. Traders, distributors, dealers and stockists are not permitted to bid.
- d. Bidder must have satisfactorily executed contracts of Electrical winch machine of five metric ton or higher capacity with wire rope before the due date of submission of their bid.
- e. Bids must be accompanied by **Bid Security Declaration towards** specified above without fail.
- f. Successful bidder must be able to submit :-

Performance Guarantee of 3% of total order value including all taxes, duties etc. within **Twenty One days** after receipt of our order valid till completion of warranty period plus two months.

- g. Bidder are also requested to study the criteria specified under technical evaluation and ensure that they meet all the requirements before bidding.
- h. No deviation in General Conditions and Special Conditions will be permitted.
- i. Bids with deviation in payment terms and warranty will not be accepted.
- j. Individuals signing the bid form and other connected documents must specify the capacity in which they sign and copy of power of attorney **not prior to 01.01.2021** executed on a Rs. 500/- stamp paper duly notarized to be submitted if the person signing the bid is other than the proprietor.

The bidders, in the past, who have not accepted our awarded order or who have withdrawn from the tender process OR whose EMD/Security deposit has been forfeited by us or who have failed to execute order, in the last one year are not eligible to participate.

3. General Information about Bidding :

- a. Bidding document can be downloaded from our website <http://www.ncra.tifr.res.in/ncra/ncra1/public-tenders-1> by any interested bidder meeting the above eligibility criteria.
- b. Bidders after downloading the tender document are requested to please send an email to purchase@ncra.tifr.res.in giving their Full address, contact details, email address to inform about the pre-bid meeting.

- c. The **bids Part 1 – Techno-commercial Bid & Part II – Price Bid** with all documents sought in eligibility criteria with charges in a sealed envelopes duly superscribed with tender no. & due date must reach Purchase Officer, NCRA-TIFR, Savitibai Phule Pune University Campus, Ganeshkhind, Pune-411007, India.

I. Envelope 1 -

- (i) Company Profile.
- (ii) Bid Form.
- (iii) Details of GST.
- (iv) Bid Security Declaration and tender fee, if applicable.

II. Envelope 2 – Other documents relating to technical bid.

III. Envelope 3 – Price bid superscribed with Tender No.

All the above three envelopes Envelope 1, Envelope 2, Envelope 3 are to be put in Envelope 4 and to be submitted superscribing the tender No. and due date.

Due to Covid restriction bids will not be opened in the presence of bidders'. In the event of the date specified for bid receipt and opening being declared as a closed holiday for NCRA's office, the due date for submission of bids and opening of bids will be the following working day at the same time.

- d. **RIGHT TO REJECT ANY OR ALL BIDS:** NCRA reserves the right to accept or reject any or all bids without assigning any reasons there for. NCRA also reserves right to reject bids during technical evaluation, based on past performance, experience or any other criteria.
Price bid will be considered only for those bidder who qualifies technical evaluations.
- e. NCRA is not responsible for delay or loss of bids in transit.
- f. **Bidders are requested to visit our website** <http://www.ncra.tifr.res.in/ncra/ncra1/public-tenders-1> **regularly to check for addendum /updates if any pertaining to this tender.**
- g. Please see attached sheet for conditions of tender.

4. Benefits under : Make in India / Micro and Small Enterprises / Startups :

- a. As prescribed in “Public Procurement (Preference to Make in India) order 2017 of Govt. of India, Dept. of DPIIT” (OM No. P-45021/2/2017-PP (BE-II) dated 4th June, 2020 vendors must submit local content certificate as per the Specimen attached with this enquiry on their letterhead signed by a competent authority of the vendor supported by valid audit document from DPIIT Govt. of India, stating the percentage of local content. Only Class I vendors are eligible for price preference as per Govt. of India orders. Vendors debarred by any procuring entity for violation

of this order shall not be eligible for benefits till the completion of the debarment period.

- b. Micro Small and Enterprises (MSE) must be OEM and have valid Udyam registration for the item / services tendered in order to avail the benefits as per MSE Guidelines of Govt. of India.
- c. The MSEs who have applied for registration or renewal of registration with any of the above agencies / bodies, but have **not obtained the valid certificate** as on close date of the tender, are **not eligible for exemption / preference**.

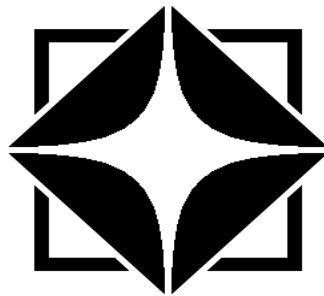
d. Startups:

As per OM No. F/20/2/2014 – PPD dated 20.09.2016 startups are exempted from payment of tender fee and eligible for relaxation regarding prior turnover and prior experience subject to the condition that :

- (i) Startups must have been recognized by Department for Promotion of Industry and Internal Trade (DPIIT).
- (ii) They meet quality and specifications.

Startups may be MSE's or otherwise.

PURCHASE OFFICER



NCRA • TIFR

**NATIONAL CENTRE FOR RADIO
ASTROPHYSICS**
Tata Institute of Fundamental Research
Pune

Public Tender No.

NCRA:085L:PUB423:2021

Electrical winch machine of five metric ton capacity with wire rope, as per our tender specifications, drawings, terms and conditions.

CHECK LIST TO BE ENCLOSED WITH TECHNO COMMERCIAL BID

(Part-I of Tender)

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Sr. No.	Particulars	Provide Details	Enclosed
1	Bidders Partnership registration / Company incorporation Copy enclosed of OEM.		Yes / No
2	Company Profile – Annexure – A		Yes / No
3	Eligibility Criteria – Annexure – B		Yes / No
4	Schedule of experience showing orders completed – Annexure – C		Yes / No
5	Bid Form - Annexure – D		Yes / No
6	Format of Amalgamation/Acquisition - Annexure – E		Yes / No
7	Format of Bid Security Declaration – Annexure F		Yes / No
8	Certificate of Local Content – Annexure G		Yes / No
9	Format of Bank Guarantee for Performance Bond* - Annexure – H		
10	Undertaking for having read and taken note of all the terms and conditions of the Tender as per Annexure I enclosed.		Yes / No
11	Un-priced Bid – Annexure J		Yes / No
12	Copy of power of attorney to sign the bid enclosed (Applicable for LLP / partnership company / PVT LTD / LTD Company)		Yes / No

** To be submitted by vendor on whom order will be placed.*

13	Price bid Part II – (Schedule of Qty. & rate as per Chapter 6 of tender document) to be submitted in separate sealed envelope.	Yes / No
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Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

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A – Introduction

1.1 Eligible Bidders

Bidders who fulfill the pre-qualification/eligibility criteria as specified in our tender notice are only required to submit their bids and will only be considered for technical evaluation.

Issue/downloading of tender document does not mean that a bidder is qualified to submit the bid. Purchaser's decision in this regard will be final.

1.2 Cost of Bidding

The Bidder shall bear all costs associated with the preparation and submission of its bid, and "Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

B - The Bidding Documents

1.3 Content of Bidding Documents

The goods required, bidding procedure and contract terms are prescribed in the bidding documents which should be read in conjunction.

The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of their bid.

1.4 Clarification of bidding documents

A prospective Bidder requiring any clarification of the Bidding Documents shall contact purchaser in writing at purchaser's address specified in the Tender Notice. Purchaser shall forward copies of its response to all those who have acquired the Bidding Documents directly from it, including the query but without identifying its source. Purchaser if deemed necessary will amend the Bidding Documents as a result of a clarification, purchaser shall do so following the procedure under clause relating to amendment of bidding documents and Clause relating to Deadline for Submission of Bids.

1.5 Amendment of Bidding Documents

At any time prior to the deadline for submission of bids, purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.

All prospective bidders who have received the bidding documents will be notified of the amendment in writing or by fax, or by e mail which will be binding on them and the same may also be posted on our website.

In order to allow prospective bidders reasonable time to take the amendment into account, in preparing their bids, purchaser, at its discretion, may extend the deadline for the submission of bids.

C - Preparation of Bids

1.6 Language of Bid

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and purchaser, shall be written in **English language only**.

1.7 Conditional Discount

In case the bidder offer any conditional discount with regard to acceptance of their bid within a specific period or specific payment terms, delivery, quantity etc. the Centre will not take in to consideration such conditional discount while evaluating their bid.

1.8 Bid Currency

Prices shall have to be quoted only in Indian Rupees in the price bid format.

1.9 Documents Establishing Bidder's Eligibility and qualifications

The bidder shall furnish, as part of their bid, documents establishing the bidder's eligibility to bid and their qualification to perform the contract if their bid is accepted.

The documentary evidence of the bidders' qualification to perform the contract if the bid is accepted and shall establish to purchaser's satisfaction that, the bidder meets the qualification criteria listed in bidding documents, if any.

1.10 Documents Establishing Goods' Eligibility and Conformity to Bidding Documents

To establish the goods' eligibility, the documentary evidence of the goods and services eligibility shall consist of a statement on the goods and services offered.

(a) An item-by-item commentary on our Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.

For purposes of the commentary to be furnished pursuant to above, the Bidder shall note that standards for workmanship, material and equipment, designated by purchaser in its Technical Specifications are intended to be descriptive only and not restrictive.

1.11 Period of Validity of Bids

Bids will have to remain **valid for a minimum of 120 days** from the date of techno commercial bid opening. A bid valid for a shorter period shall be rejected by purchaser as non-responsive.

In exceptional circumstances, purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (by fax or e-mail). The EMD provided shall also be suitably extended.

A Bidder may refuse the request without forfeiting their EMD. A Bidder accepting the request will not be required nor permitted to modify their bid.

Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

1.12 Format and Signing of Bid

The bids are to be submitted in two parts as specified in the Tender Notice.

The Bidder shall submit the bids in two parts. First part (Part – I) shall contain Techno commercial bid comprising all documents listed in the Check List, including technical specifications, bill of materials & Drawings, taxes and duties payable, delivery period and validity.

The second part (Part – II) shall contain only the price-bid comprising price schedules with prices.

The bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

Any inter lineations, erasures or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

1.13 Status of Individual signing the offer

Individuals signing the bid form and other connected documents must specify the capacity in which they sign like :

- (a) Whether signing as a Sole proprietor of the firm.
- (b) Whether signing as a partner of the firm.
- (c) Whether signing for the firm as Agent.

(d) Whether signing as a director of a private/limited company. Power of attorney to sign the bid to be submitted in case of b, c & d.

1.14 Abnormally high rate or abnormally low rate

If the bid is seriously unbalanced in relation to the estimated cost, such bidder will have to submit with their price bid detailed price analysis for any or all items, if the Bill of Quantity / Schedule of work to demonstrate how the price quoted have been arrived at.

1.15 Requirement of Tender Submission

Bidder must have to bid for all items in the price bid failing which their bids will not be considered. Details of options and accessories for which rates are quoted to be specified in the technical bid.

The techno-commercial bid should have sufficient details to show point wise compliance to the specifications and shall include a full set of descriptive technical literature of the items proposed.

1.16 Deadline for Submission of Bids

Bids must reach Purchase officer, NCRA-TIFR, Pune at the address specified in Tender Notice not later than the time and date specified herein. In the event of the specified date for the submission of Bids being declared a holiday for purchaser, the Bids will be received upto the appointed time on the next working day.

Purchaser may, at its discretion, extend the deadline for submission of bids by amending the bid documents in accordance with Clause relating to amendment of bidding Documents in which case all rights and obligations of purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

1.17 Late Bids

Any bid received by purchaser after the deadline for submission of bids prescribed will be rejected.

Such tenders shall be marked as late and not considered for further evaluation. They shall not be opened at all and will be returned to the bidders in their original envelope without opening.

1.18 **ACCEPTANCE OF BID :** Institute shall be under no obligation to accept the lowest or any other bid received in response to this tender and shall be entitled to reject any or all bids without assigning any reason whatsoever.

D - Opening and Evaluation of Bids

1.19 Opening of Bids

Bids that are received late shall not be considered further for evaluation, irrespective of the circumstances.

1.20 Clarification of Bids

To assist in the examination, evaluation, comparison and post qualification of the bids, purchaser may, at its discretion, ask the Bidder for a clarification on their bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted. However, no negotiation in respect of prices shall be held except with the lowest bidder, at the discretion of purchaser. Any clarification submitted by a bidder in respect to their bid which is not in response to a request by purchaser shall not be considered.

1.21 Preliminary Examination

Purchaser shall examine the bids to confirm that all documents and technical documentation requested have been provided to determine the completeness of each document submitted.

Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected.

(a) Bid Form and Price Schedule;

(b) All the bids received will first be scrutinized to see whether the bids meet the basic requirements as incorporated in the bid document. The bids, which do not meet basic requirements, will be treated as unresponsive and ignored. ***The following are some of the important points, for which a bid will be declared as unresponsive and will not be considered for further evaluation:***

(i) The Bid is unsigned.

(ii) The Bidder is not eligible.

(iii) The Bid validity is shorter than the required period.

(iv) The Bidder has quoted for goods manufactured by a different firm other than what has been specified in the tender document.

(v) Bidder has not agreed to give the required security deposit & Performance Guarantee.

(vi) The goods quoted are sub-standard, not meeting the required specification etc.

(vii) Against the schedule of Requirement (incorporated in the bid), the bidder has not quoted for the entire requirement as specified in that schedule.

(viii) The bidder has not agreed to some essential condition(s) incorporated in the bid.

1.22 Responsiveness of Bids

Prior to the detailed evaluation, purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of this clause, a substantive responsive bid is one, which conforms to all terms and condition of the bidding documents without material deviations, reservations or omissions. A material deviation, reservation or omission is one that:

- (a) Affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
- (b) Limits in any substantial way, inconsistent with the Bidding Documents, purchaser's rights or the Bidder's obligations under the Contract; or
- (c) If rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

Purchaser's determination of a bid's responsiveness will be based on the contents of the bid itself.

If a bid is not substantially responsive, it will be rejected by purchaser and may not subsequently be made responsive by the bidder by correction of the material deviation, reservation or omission.

1.23 Non-Conformity, Error and Omission

Provided that a bid is substantially responsive, purchaser may waive any nonconformity or omissions in the bid that do not constitute a material deviation.

Provided that a bid is substantially responsive, purchaser may request the bidder to submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformity or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the bid. Failure of the Bidder to comply with the request may result in the rejection of their bid.

Provided that the bid is substantially responsive, purchaser shall correct arithmetical errors on the following basis:

- (a) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected;
- (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

Provided that a bid is substantially responsive, purchaser may request that a bidder may confirm the correctness of arithmetic errors as done by purchaser within a target date. In case, no reply is received then the bid submitted shall be ignored and its **Earnest Money** will be forfeited.

If the price for an item with same part no. is quoted differently at different place, lower rate will be taken as the price of the item.

In the event no rate has been quoted in words or figures for any item/items it will be presumed that the contractor/supplier has included the cost of this/these item/items in other item and rate for such item/items will be considered as zero & supply/work will be required to be executed accordingly.

In case of any tender where unit rate of any item/items quoted is unrealistic, such a tender is liable to be disqualified & rejected.

1.24 Examination of Terms & Conditions, Technical Evaluation

Purchaser shall examine the Bid to confirm that all terms and conditions specified in the bid document have been accepted by the Bidder without any material deviation or reservation.

Purchaser shall evaluate the technical aspects of the Bid submitted to confirm that all requirements specified in Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.

1.25 Evaluation and comparison of bids

Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.

To evaluate a Bid, purchaser shall only use all the factors, methodologies and criteria defined in the bid documents.

The price bids shall be evaluated on the basis of final landing cost which will be calculated as per Institute procedure to bring quotes on equal footing including charges towards installation, commissioning and testing at destination.

1.26 Contacting Purchaser

Any effort by a Bidder to influence purchaser in its decisions on bid evaluation, bid comparison or contract award may result in rejection of their bid.

1.27 Post qualification

In the absence of pre-qualification, purchaser will determine to its satisfaction whether the bidder/bidders who is/are selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the bid document.

The determination will take into account the eligibility criteria listed in the bidding documents and will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, as well as such other information as purchaser deems necessary and appropriate.

An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder's bid.

E- Award of Contract

1.28 Negotiations

There shall not be any negotiation normally. Negotiations shall be held with the lowest evaluated responsive bidder if required. Counter offers tantamount to negotiations and shall be treated at par with negotiations in the case of one time purchases.

1.29 Award Criteria

Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid.

1.30 Purchaser's right to divide/vary the Quantities at the time of Award

Purchaser reserves the right at the time of Contract award to decrease the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions. Further, the purchaser may also divide the quantity and place orders on two or more suppliers. Purchaser also reserves the right to place or not to place order for Spares/accessories.

1.31 Purchaser's right to accept Any Bid and to reject any or all Bids

The Centre Director, NCRA reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders.

1.32 Notification of Award

Prior to the expiration of the period of bid validity, purchaser may notify the successful bidder in writing by registered letter or fax or e mail that the bid has been accepted and a separate work order shall follow.

Until a formal order is prepared and sent, the notification of award should constitute a binding contract.

Upon placing order on successful Bidder's, purchaser will release the **Earnest Money** to all unsuccessful bidders.

1.33 Order Acceptance

1.33.1 The successful bidder should submit Order acceptance within **21 days** from the date of issue of order and complete all formalities within the same period.

- 1.33.2 Centre has the powers to extend the time frame for submission of order confirmation and submission of Performance Guarantee. Even after extension of time, if the order confirmation and Performance Guarantee are not received, **interest @ 12 percent per annum** will be levied till date of receipt of Performance Guarantee.
- 1.33.3 If the successful bidder fails to submit order acceptance and Performance Guarantee even after repeated reminder Centre reserves the right to cancel the order and in which case bidder will be debarred from participating in any tender for a period one year.
- 1.34 **PLACING OF ORDER**: Institute reserves the right to place the order for part/full/reduced quantity /increased quantity / reduced period than what is specified in the tender.

Centre reserves the right to place order on any :

- a. **one overall lowest bidder** **OR**
- b. **split the order on two or more parties.**

If the charges quoted are same then Centre reserve the right to place order on any one party considering the factors noticed during technical evaluation.

CHAPTER 2

GENERAL CONDITIONS OF CONTRACT (GCC)

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2.1 Standards

The Goods supplied and services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications and Schedule of Requirements, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

2.2 Patent/design/copy right/trade mark / third party claim Indemnity

The Supplier shall indemnify and hold harmless purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of: (a) the installation of the Goods by the Supplier or the use of the Goods in India; and (b) the sale in any country of the products produced by the Goods.

If any proceedings are brought or any claim is made against purchaser, purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

2.3 Packing

The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights permissible under existing road/rail/sea limitations and shall take into consideration, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in SCC and in any subsequent instructions given by purchaser.

Even when no packing specification is included it will be suppliers responsibility to provide appropriate packing depending upon the nature of the supply and the transportation and handling hazards.

The equipment shall be so packed and protected as not to suffer deterioration, damage or breakage during shipment and storage in a tropical climate.

Each package shall be properly labeled to indicate the type and quantity of

material it contains, the purchase order number its dimensions and weights and any other necessary data to identify the equipment and relate it to contract. Packing slip containing description of item & qty. must be affixed on the box.

Empty packages / packing material will become property of the owner.

If wood has been used for packing, Fumigation certificate to be provided with the shipment.

2.4 *Delivery of items*

Supplier/manufacturer will have to deliver the item/s at delivery point specified in SCC.

2.5 *Duration for Completion of contract.*

The items will have to be supplied within the period specified in the SCC.

2.6 *Incidental Services*

The supplier may be required to provide any or all of the services, if any, specified in SCC.

2.7 *Despatch Documents*

2.7.1 The following documents in original are to be sent to Purchaser.

- a. Full set of invoice showing Quantity and Amount.
- b. Packing slip indicating no. of packages, gross and net weight.
- c. Manufacturers internal test, inspection certificates.
- d. Soft copy of user / instruction installation manuals in English.
- e. Inspection certificate issued by the Purchaser's Inspector, if any;
- f. Guarantee/Warranty certificates issued by Original Equipment Manufacturer.
- g. Fumigation Certificate if wood is used in packing.

2.7.2 The following documents are to be handed over to the carrier / transporter while handing over the item.

- a. Three Sets of Invoice.
- b. Two Sets of packing slip.
- c. Fumigation Certificate if wood has been used in packing.

2.8 *Severability :*

If any provision of this contract is determined to be invalid or unenforceable, it will deemed to be modified to the minimum extent necessary to be valid and enforceable. If it can not be so modified, it will be detected and deletion will not affect the validity or enforceability of any other provision.

2.9 *Centre reserve the right to reject the bid in case any discrepancy is observed in the unpriced bid and actual price bid.*

2.10 Assignment

The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract to third party, except with purchaser's prior written consent.

2.11 Indemnity :

Selected bidder shall also, indemnify and hold harmless centre from any third party, Govt. claim, losses, penalties if any arising in connection with this contract.

2.12 Extension of time

Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by purchaser.

If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify purchaser in writing the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Contract.

Except as provided under the Force Majeure clause of the GCC, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages unless an extension of time is agreed upon pursuant to above clause without the application of liquidated damages clause.

2.13 Termination for Default

Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part

(a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by purchaser; or

(b) If the Supplier fails to perform any other obligation(s) under the Contract.

(c) If the Supplier, in the judgment of purchaser has engaged in corrupt or fraudulent or collusive or coercive practices as defined in instruction to bidder on Fraud or Corruption in competing for or in executing the Contract.

In the event Purchaser terminates the contract in whole or in part, it may take recourse to any one or more of the following action:

a) Forfeiting Security deposit;

b) Purchaser may procure, upon such terms and in such manner as it deems appropriate, item / equipment similar to those undelivered, and the supplier shall be liable for all available actions against it in terms of the contract.

c) However, the supplier shall continue to perform the contract to the extent not terminated.

2.14 *Force Majeure*

Notwithstanding the provisions of GCC Clauses relating to extension of time, penalty and termination for default, Supplier shall not be liable for forfeiture of their Security deposit, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, earthquakes, storms and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of force majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.

2.15 *Termination for Insolvency*

Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to purchaser.

2.16 *Termination for Convenience*

Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time. The notice of termination shall specify that termination is for the purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by purchaser at the Contract terms and prices. For the remaining Goods, purchaser may elect:

(a) To have any portion completed and delivered at the Contract terms and prices; and/or

(b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

2.17 Discrepancies & Order of Preferences:

In case of ambiguities or discrepancies following order of preferences shall hold good :

- a. Purchase Order.
- b. Technical Specifications
- c. Special Conditions of contract.
- d. General Conditions of Contract.

2.18 Governing Language

The contract shall be written in English language which shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the English language only.

2.19 Applicable Law/Jurisdiction

The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction as specified in SCC.

2.20 Notices

Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by e-mail or confirmed in writing to the other party's address specified in the SCC.

A notice shall be effective when delivered or on the notice's effective date, whichever is later.

2.21 Right to use Defective Goods

If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with purchaser's operation.

2.22 Materials

All goods or materials shall be supplied strictly in accordance with the specifications stated in the purchase order or change orders issued by the purchaser.

All goods or materials supplied or used shall be new and of first quality should not be obsolete & going to be obsolete. Where foreign or partly foreign goods or materials are offered or intended to be used, the fact must be specifically stated and brought to the notice of the purchaser.

2.23 Waiver

Purchaser shall be at liberty to waive any breach of any terms or conditions or warranty. Waiver by purchaser or a breach by vendor or any provision of the order shall not be deemed a waiver of future compliance therewith and such provision shall remain in full force and effect.

2.24 Purchaser's Comments

Vendor shall not be relieved of his obligations under the order, including but not limited to his warranty obligations stated herein by incorporating Purchaser's design and fabrication comments into the goods ordered hereunder.

2.25 Responsibility of Vendor

Upon oral or written notification of defects in or malfunctioning of the goods during normal operation, which require corrective action, vendor shall send the necessary personnel to job site to supervise and assume responsibility for repairs and/ or replacement, if necessary of the defective goods or material. If vendor does not expeditiously take steps to correct the breach, purchaser may do so at the cost and expenses incurred by purchaser to repair or replace malfunctioning or nonconforming goods.

Equipment, items or components repaired or replaced by vendor shall have warranty till completion of one year from the date of installation of the equipment.

2.26 **SETTLEMENT OF DISPUTE** : For any dispute arising out of the contract, it should be the intention of both the parties to settle the matter amicably without referring it to the Court of Law. In case dispute is not getting settled amicably it will be referred to arbitration as under.

2.27 **JURISDICTION :**

The Courts within Pune will have jurisdiction to deal with and decide any matter arising out of this Contract.

2.28 **ARBITRATION :**

- 2.28.1 Purchaser 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.
- 2.28.2 If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either purchaser 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 delivery of the Goods under the Contract.
- 2.28.3 The dispute settlement mechanism/arbitration proceedings shall be concluded as under:
- (a) In case of Dispute or difference arising between purchaser 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, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the sole arbitrator mutually acceptable to contractor and purchaser. 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 Purchaser.
- 2.28.4 The venue of the arbitration shall be the place from where the purchase order or contract is issued.

CHAPTER 3

SPECIAL CONDITIONS OF CONTRACT (SCC)

Table of Contents	
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2	Performance Guarantee
3	Income Tax
4	GST
5	Liquidated Damages
6	Technical Evaluation.
7	Shop / Factory Inspection
8	Payment Terms
9	Warranty
10	Inspection
11	Terms of Technical Evaluation Committee
12	Test Certificate.
13	Delivery Period
14	Delivery Point
15	Billing Address.
16	Removal of Rejection.
17	Recovery of Sums Due

Chapter 3

SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

3.1 Scope of Work

Supply of items as specified in **Chapter – 4** of this tender document.

3.2 Performance Guarantee

Performance Guarantee to be furnished by the successful bidder for satisfactory performance of the contract. “Satisfactory performance of the contract here means satisfactory completion of work in respect of works.

3.2.1 Quantum of Performance Guarantee

3% of order value including taxes.

Successful bidder, shall deposit an amount equal to **3%** of the value of order value including taxes as Performance Guarantee within **21 days** of receipt of our order and must valid till completion of work plus Two months for proper fulfillment of the Contract.

In case Performance Guarantee is not submitted within **21 days interest @ 12% per annum** will be levied till the date you submit the Performance Guarantee.

If the successful bidder fails to submit the Performance Guarantee / Performance Guarantee with interest or refuses to submit the Performance Guarantee even after reminders, Centre reserves the right to cancel the order without notice and such bidder will be debarred from participating in any tender for a period of **one year**.

3.2.2 Forms in which Performance Guarantee can be submitted

Performance Guarantee should be in the form of Demand Draft of a Scheduled Bank in favour of “TIFR”, payable at Pune or Bank Guarantee (BG) from a Scheduled Bank in favour of Centre Director, NCRA-TIFR, Pune as per the prescribed format or Fixed Deposit Receipt (FDR) of a Scheduled Bank pledged in favour of Centre Director NCRA-TIFR, Pune. The Bank Guarantee should be from any one of the nationalized banks or Scheduled Bank and to be executed on non-judicial stamp paper of appropriate value. The Bank Guarantee should be valid upto at least 2 months beyond the warranty period.

3.2.3 Refund of Performance Guarantee

Performance Guarantee shall be released / returned to the contractor after the completion of the warranty period + 2 months period without any interest.

3.2.4 Forfeiture of Performance Guarantee

Performance Guarantee is taken for due performance of the Equipment and can be forfeited in the event of a breach of contract.

FDR / Bank Guarantee / Demand Draft obtained towards Performance Guarantee will be invoked when there is a specific breach on the part of the supplier.

3.3 Income Tax

As applicable will be deducted from the contractor's bill and TDS certificate will be issued.

3.4 **GST** : Will be paid Extra.

GST TDS will be deducted as per Govt. rules.

3.5 **LIQUIDATED DAMAGES**

(a) As time is the essence of the contract, Delivery period mentioned in the Order should be strictly adhered to.

(b) If the supplier fails to **Supply** the equipment as per specifications mentioned in the order within the due date, he shall be liable to pay liquidated damages of **0.5 % per week** of value of delayed supply and works for each or part of month, subject to a maximum of **5%** of order value on the unfinished work & items not supplied beyond the due date specified for completion of contract. Such money will be deducted from any amount due or which may become due to the supplier.

3.6 **Technical Evaluation**

On the due date the Techno commercial bids will be opened and referred to the technical evaluation Committee.

The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made.

3.6.1 Bidder must have satisfactorily executed orders for Electric winches during the **past Seven years** ending previous day of last date of submission of bids i.e. between 01.04.2014 to 31.03.2021.

- One single order costing not less than 80% of Estimated cost i.e.16.80 Lakhs OR
- Two orders each costing not less than 60% of Estimated cost i.e. 12.60 Lakhs OR
- Three orders each costing not less than 40% of Estimated cost i.e. 08.40 Lakhs

The value of executed works shall be brought to current costing level by enhancing the actual value of work at the simple rate of 7% per annum; calculated from the date of completion to due date for submission of bid.

Copies of work orders executed and completion certificates duly signed by the competent authority to be submitted evidencing the above without fail.

- 3.6.2 **SHOP / FACTORY INSPECTION :** Our Technical team may visit your works if required to understand your capacity to execute the contract and type of works being carried out. You shall render your full co-operation in this regard.
- 3.6.3 After the technical evaluation is completed and approved, Purchaser shall inform the bidders whose bids have been rejected technically with the reasons for rejection.
- 3.6.4 **The price bids of the Bidders whose techno commercial bids are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening.**
- 3.6.5 The successful bidders will be informed regarding the date and time of Price bid opening.
- 3.6.6 The bids of technically qualified bidders will be opened through **google meet / zoom**, the date and time of Price bid opening will be informed and the link to attend the bid opening by email.
- 3.6.7 Purchaser reserve the right to consider or not to consider post warranty non-comprehensive AMC charges quoted by the bidder while evaluation as well as while placing order.
- 3.7 **Payment Terms :-**
- i. 80%** Payment will be made within thirty days after receipt of goods at site and balance **20%** will be made after satisfactory installation, testing, Commissioning and training of our users at our site.
 - ii.** Payment will be made after deduction of
 - (i) GST TDS if applicable.
 - (ii) Income tax as applicable and
 - (iii) any other dues.

Payment will be made from NCRA-TIFR, Pune.

3.8 **WARRANTY :**

Item to be supplied must have a minimum warranty of **One year**. If the items supplied fails to perform as per the specifications during the warranty period, same will have to be rectified / replaced at no extra cost to NCRA.

3.9 **INSPECTION :**

- 3.9.1 Inspection will be done by our Engineer at your works prior to dispatch, by giving advance information and mutually agreed test procedure, also third party inspection will be carried out jointly.
- 3.9.2 Vendor will have to obtain signed the 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.
- 3.9.3 Items shall be supplied in proper packing which shall include all the items.

3.10 Terms of the Technical Evaluation Committee

A committee will go through the technical aspects of the tender and short list such firms whose bids are technically and commercially acceptable.

The technical evaluation will be an assessment of the Techno commercial Bid. Committee will proceed through a detailed evaluation of the Techno commercial Bids in order to determine whether they are substantially responsive to the requirements set forth in the tender. In order to reach such a determination, committee will examine the information supplied by the Bidders, and shall evaluate the same as per the specifications mentioned in this tender.

The technical committee may formulate evaluation criteria in addition to the specifications and requirements indicated in the tender, in the interest of Purchaser and this criteria/recommendation will also form as a part for short-listing of the firms whose technical bids are acceptable.

The Technical Committee will examine all the Technical aspects of the bids received. Further, the Technical Committee may seek additional information from the existing users at NCRA or from other Labs/Organizations and also call for Technical presentations from the bidders if required.

The recommendation/decisions of the Technical Evaluation Committee is final and binding on all the bidders.

3.10.1 Past Performance:

In case the past performance of the tenderer is not found to be satisfactory with regard to quality, delivery, warranty obligation and non-fulfillment of terms and conditions of the contract, their offer is liable to be rejected by the purchaser.

- 3.10.2 The price bids of the Bidders whose techno commercial bids are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening.
- 3.10.3 The successful bidders will be informed regarding the date and time of Price bid opening.
- 3.11 Test Certificate
Manufacturers Test Certificates in English are to be furnished by the supplier
- 3.11.1 Final Test:
The final test as to performance and guarantee shall commence immediately after completion of installation.
- 3.12. **DELIVERY PERIOD :**
Successful bidder must supply the items within **30 days** after release of order after pre-dispatch inspection at your works. It is the responsibility of the bidder to safely deliver the items well before expiry of the delivery date and time.
- 3.13 **DELIVERY POINT :-**
(a) GMRT-NCRA Stores, Khodad, Near Narayangaon, Tal. Junnar, Dist. Pune 410504.
(b) Goods requiring replacement must be replaced on free of cost basis.
- 3.14 Billing address:
Giant Metrewave Radio Telescope (GMRT)
National Centre for Radio Astrophysics (NCRA)
At Post Khodad, Near Narayangaon,
Tal. Junnar, Dist. Pune 410504, Maharashtra.
- 3.15 Removal of Rejected Items :
Any item submitted for inspection and rejected by the purchaser must be removed by the supplier, within fourteen days from the date of receipt of intimation of rejection. Such rejected items shall lie at the supplier's risk from the time of such rejection and if not removed within the aforementioned time, the Purchaser shall have the right to dispose off the same at the supplier's risks and on cost and to appropriate such portion of the proceeds as may be necessary to cover any loss or expenses incurred by the purchaser in connection with the said sale.
- 3.16 Recovery of Sums Due :
Whenever any claim for the payment of, whether liquidated damage or not, arises out of or under this Contract against the supplier, the Purchaser shall be entitled to recover such sum by appropriating, in part or whole the Performance Guarantee furnished by the supplier. In the event of the Performance Guarantee being insufficient, then the balance or the total sum recoverable, as the case may be, shall

be deduced from any sum then due or which at any time thereafter may become due to the supplier under this or any other contract with purchaser. Should this sum be not sufficient to cover the full amount recoverable the Contractor shall pay to the Purchaser on demand the remaining balance due. Similarly, if the Purchaser has or makes any claim, whether liquidated damages or not against the supplier under any other Contract with the Purchaser, the payment of all amount payable under the Contract by the Contractor including the Performance Guarantee shall be withheld till such claims of the Purchaser are finally adjudicated upon and paid by the supplier.

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Technical specification of electrical winch machine & scope of supply

Design, manufacturing, testing, supply, installation & commissioning of foot mounted electric winch machine with VFD & individual operation

SR. NO.	DESCRIPTION	SPECIFIED	REMARK
01.	Nominal capacity of winch machine	05 Metric Ton	
02.	Linear speed (forward & reversible rope speed)	300 mm/min	Rope speed at drum exit
03.	IS standard for winch machine	IS 9507:2006	
04.	Rope Travel	240 meters	
05.	Wire rope	Single piece	Usha Martin makes only
	Type of construction	As per the design	
	Size	As per the design	
	Core	Steel core	
	Length of rope (In wind condition)	250 metres	
	Factor of safety on wire rope	As per IS 9507	
06.	Rope Drum	De clutch able	
	Material of construction	Mild steel	As per IS standard
	Drum diameter & length	To be designed by vendor	
07.	Drive	Electrical (AC), VFD	
08.	Gear box		As per design
09.	Prime mover	Electric motor as per IS 325:2018	
10.	Starter	VFD	Bidder must submit data sheet of VFD covering all details.
11.	Brake	Electromagnetic	
12.	Additional Braking	Band brake, Ratchet & Powel	
13.	Type & details of limit switch		Must be given
14.	Type of coupling		Must be given
15.	Type of bearing		Must be given
16.	Type of details of controls		Must be given
17.	Drawing indicating the basic dimensions		Must be given
18.	Type of lubrication		
19.	Size of foundation bolts & quantity	HSFG	To be supplied with machine
20.	Intermediate pulley details if any		
21.	Quality plan		Vendor must submit detailed quality plan to purchaser for approval. Inspection will be carried out as per approved quality plan.

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SR. NO.	DESCRIPTION	SPECIFIED	REMARK
22.	Load test	Full load test & overload test as per IS 9507:2006	Will be witnessed by NCRA representatives
23.	Test certificates		Manufacturer test certificate of motor, brake, wire rope, electrical equipment, gear box etc. (Wherever applicable) should be provided.
24.	Proven design & system capability		Bidder must supply evidence that he is a reputed/ proven manufacturer & have experience in manufacturing & supply of similar type of system from last 05 years.
25.	Spare		The bidder should furnish details of spares covered under warranty.
	Spare part		Bidder should also furnish the prices list of spare parts required for 02 years.
26.	Technical Literature		One printed copy of illustrative catalogue showing features of winch machine assembly should be submitted by bidder.
	Drawings & Manuals		Two hard copies & one soft copy must be submitted along with exploded views, assembly drawing etc. Also provide maintenance manual, troubleshooting guide, operational manual & software data of assembly.

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SR. NO.	DESCRIPTION	SPECIFIED	REMARK
27.	Warranty	One Year	
28.	Control Panel		
	Make	As per IS & IP65 from reputed manufacturer	
	Voltmeter, Ammeter, control switches, main switches	Suitable rating & reputed manufacturer like Siemens, SCH, L & T, BCH only	
	Current transformer, O/I relay, time relay, contactors, HRC fuses, indicating lamps, push buttons	Suitable rating & reputed manufacturer like Siemens, SCH, L & T, BCH only	
	Master controller	VFD, L&T, Allen Bradley	
29.	Marking	On winch machine, plate must be provided with all details as per IS 9507	
30.	Electric winch to manual winch conversion		Bidder have to make an arrangement to convert the same machine from electrical to manual winch machine

Mandatory Notes

- 1) Load to be lowered / lifted by each winch being 12 tons – submit your Calculation of load on the Rope, rope selection and Sizing, Manufacturer and arrangement of clamping rope on drum and winding on the Rope Drum.
- 2) Winch Drum Design calculations, Dimensions and manufacturing details, key material specifications, Winch Quoted will be suitable for both lowering and raising load.
- 3) Arrangement for free rotation of Drum when required [during unwinding rope initially].
- 4) Sizing and Selection [Design Calculations] and arrangement for Pawl and Ratchet for locking the Rope Drum.
- 5) Design calculations for sizing of Winch Capacity, and the design life of the Model Quoted.

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- 6) Sizing and Selection and arrangement for thruster brakes offered
 - 7) Sizing and Selection, Specification, Make etc of the gearbox, along with calculation for gearbox capacity [Input output torque and speed] for the above mentioned application.
 - 8) Sizing and Selection, Specification Make etc of the motor and Variable Frequency Drive. Provide catalogues and detailed write-up on the control system.
 - 9) We have requested for Variable Frequency Drive considering state of the art technology used for Hoists on Industrial cranes. Please provide suitable control panels and capability for parametric settings [Linear speed, controlled / accidental braking, monitoring tension in the rope, engagement of Powel and Ratchet etc.]
 - 10) Control Panel details and description, catalogue.
 - 11) Maximum and Minimum achievable linear speed of rope
 - 12) You are also required to submit the catalogues for the standard bought-out items.
 - 13) Each foot mounted electric winch machine has an individual control as mentioned with VFD along with fine control i.e., inching etc. & also have one master control as mentioned which control all four machines at a time.
- 14 Note:** The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/service/operational manual and labour, after satisfactory completion of warranty period may be quoted for next 1(or as specified) years on yearly basis for complete equipment.
- a. The cost of CMC may be quoted along with taxes applicable on the date of Tender opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
 - b. The uptime warranty will be 98% on 24 (hrs) x 7 (days) x 365 (days) basis.
 - c. The stipulation in technical specification will supersede above provision.
 - d. The supplier shall keep sufficient stock of spares required during comprehensive maintenance contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

For any technical clarification please contact or write to

- 1. Shri M.D. Somwanshi / Shri H.S. Kale.
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
smangesh@gmrt.ncra.tifr.res.in,
hsk@gmrt.ncra.tifr.res.in hsk@ncra.tifr.res.in**

with copy to purchase@ncra.tifr.res.in

How the Winches will be used:

Four Winches will be used simultaneously for lowering load [GMRT Antenna Dish – see attached figure1] from a height of 25 metres to ground. After repairs to the GMRT Antenna Dish at ground the load will be lifted up and GMRT Antenna connected to moving structure. In short Application of Electric Winch is slow movement of load lifting and lowering like in a crane in steel foundry and a fabrication shop.

Four Electrical Winches, being simultaneously used for the purpose, should work in synchronisation (manually by operator, no auto synchronisation) so that the GMRT Antenna Dish is lowered or lifted without being tilted. Each winch will be connected to load through three pulley block sheaves resulting in to 6 fall rope pulley arrangement. Refer attached schematic photos attached.

Key Data of Antenna Dish Lowering / Lifting

Please refer attached photos / figures for clarity.

1. Antenna Dish is 45 Metre Diameter structural steel weldment and weighs 40 Tons including 4 quadripods legs and 1 feed turret. For the Purpose of Design of winches and lifting tackles we will like you to consider Total load to be lifted / lowered (by all four winches) as 48 tons considering 20% margin for practical purposes. For purpose of design of winches please consider Load = $48/4=12$ tons.
2. There are 30 Antenna Dishes at GMRT Site.
3. 4 Number of winches will be used simultaneously. All the winches should be near identical and be able to hold the load for 50 hours, or the system should be mechanically locked to the structure of the winch.
4. Two pulley blocks with 3 sheeves [IS: 13156 and Refer Figure 5] each will be used at the load end to reduce the tension in the rope on the winch.
5. Four Winch drives will be operated in synchronisation by four operators.
6. We have planned to lower / lift the load within 6 hours of winch operation.
7. You have to depute your experienced engineer / workmen for installation, testing and commissioning and for providing training to our users at site for a minimum period of One week. Bidder will have to make their own arrangements for the same at their own cost and include the charges for the same in the price schedule.
8. Load Test : Load test as per IS 9507, 2006 – Full load + 25% load, must be witnessed by NCRA / Third party at Vendor's premises.

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TECHNICAL - COMPLIANCE STATEMENT TO BE SUBMITTED

SR. NO.	DESCRIPTION	SPECIFIED	REMARK	Compliance	
				Yes	No
01.	Nominal capacity of winch machine	05 Metric Ton			
02.	Linear speed (forward & reversible rope speed)	300 mm/min	Rope speed at drum exit		
03.	IS standard for winch machine	IS 9507:2006			
04.	Rope Travel	240 metres			
05.	Wire rope	Single piece	Usha Martin makes only		
	Type of construction	As per the design			
	Size	As per the design			
	Core	Steel core			
	Length of rope (In wind condition)	250 metres			
	Factor of safety on wire rope	As per IS 9507			
06.	Rope Drum	De clutch able			
	Material of construction	Mild steel	As per IS standard		
	Drum diameter & length	To be designed by vendor			
07.	Drive	Electrical (AC), VFD			
08.	Gear box		As per design		
09.	Prime mover	Electric motor as per IS 325:2018			
10.	Starter	VFD	Bidder must submit data sheet of VFD covering all details.		
11.	Brake	Electromagnetic			
12.	Additional Braking	Band brake, Ratchet & Powel			
13.	Type & details of limit switch		Must be given		
14.	Type of coupling		Must be given		
15.	Type of bearing		Must be given		
16.	Type of details of controls		Must be given		
17.	Drawing indicating the basic dimensions		Must be given		
18.	Type of lubrication				
19.	Size of foundation bolts & quantity	HSFG	To be supply with machine		
20.	Intermediate pulley details if any				
21.	Quality plan		Vendor must submit detailed quality plan to purchaser for approval. Inspection will be carried out as per approved quality plan.		

CHAPTER - 4

TECHNICAL - COMPLIANCE STATEMENT TO BE SUBMITTED

Page 2 of 3

SR. NO.	DESCRIPTION	SPECIFIED	REMARK	Compliance	
				Yes	No
22.	Load test	Full load test & overload test as per IS 9507:2006	Will be witnessed by NCRA representatives		
23.	Test certificates		Manufacturer test certificate of motor, brake, wire rope, electrical equipment, gear box etc. (Wherever applicable) should be provided.		
24.	Proven design & system capability		Bidder must supply evidence that he is a reputed/ proven manufacturer & have experience in manufacturing & supply of similar type of system from last 05 years.		
25.	Spare		The bidder should furnish details of spares covered under warranty.		
	Spare part		Bidder should also furnish the price list of spare parts required for 02 years.		
26.	Technical Literature		One printed copy of illustrative catalogue showing features of winch machine assembly should be submitted by bidder.		
	Drawings & Manuals		Two hard copies & one soft copy must be submitted along with exploded views, assembly drawing etc. Also provide maintenance manual, troubleshooting guide, operational manual & software data of assembly.		

CHAPTER - 4

TECHNICAL - COMPLIANCE STATEMENT TO BE SUBMITTED

Page 3 of 3

SR. NO.	DESCRIPTION	SPECIFIED	REMARK	Compliance	
				Yes	No
27.	Warranty	One year			
28.	Control Panel				
	Make	As per IS & IP65 from reputed manufacturer			
	Voltmeter, Ammeter, control switches, main switches	Suitable rating & reputed manufacturer like Siemens, SCH, L & T, BCH only			
	Current transformer, O/I relay, time relay, contactors, HRC fuses, indicating lamps, push buttons	Suitable rating & reputed manufacturer like Siemens, SCH, L & T, BCH only			
	Master controller	VFD, L&T, Allen Bradley			
29.	Marking	On winch machine, plate must be provided with all details as per IS 9507			
30.	Electric winch to manual winch conversion		Bidder have to make an arrangement to convert the same machine from electrical to manual winch machine		

(Technical literature/brochures/manuals should be attached along with this format).

Date :

Signature of Bidder :

Name & Designation :

Place :

Company Name & Address :

Company Seal & Phone No. : _

Chapter 5

Standard forms (To be enclosed by bidders with Part – I, Techno-commercial bid)

	Table of Contents
Sl. No.	Contents
1	Company Profile – Annexure – A
2	Eligibility Criteria – Annexure – B
3	Schedule of experience showing orders completed – Annexure – C
4	Bid Form - Annexure – D
5	Format of Amalgamation/Acquisition - Annexure – E
6	Format of Bid Security Declaration – Annexure F
7	Certificate of Local Content – Annexure G
8	Format of Bank Guarantee for Performance Bond* - Annexure – H
9	Undertaking for having read and taken note of all the terms and conditions of the Tender as per Annexure I enclosed.
10	Un-priced Bid – Annexure J

**** To be submitted by vendor on whom order will be placed.***

**Annexure – “A”
COMPANY PROFILE**

Page 1 of 1

(To be filled in by the Bidder)

Sl.No.	Question	Response
1.1	Company Name	
1.2	Type of firm Proprietary / Partnership / Pvt. Ltd. / Ltd. / Single Person Company / LLP	
1.3	Date of Incorporation	
1.4	Company Head Office address	
	* Contact person(s) Name	
	* Phone Number	
	* Fax Number	
	* E-mail Address	
1.5	Address of office at Pune.	
	* Contact person(s) Name	
	* Phone Number	
	* Fax Number	
	* E-mail Address	
1.6	State pending or past litigation if any within the last 3 years with details and explain reasons. Please also mention any claims/complaints received in the last three years.	
1.7	Name of Designation of the Officer of the Contractor/ Bidder to whom all the reference shall be made for expeditious technical co-ordination	
1.8	Date of Establishment of firm	
1.9	Details of items manufactured / works carried out by you	
2.0	PAN No.	
2.1	GST Registration No. and Date	

Signature of the Bidder

Name & Designation

Company Seal

Date:

ELIGIBILITY CRITERIA

Sr. No.	Description	Details to be furnished by the bidder enclosing relevant documents in the technical bid.
1	Bid must be valid for a minimum period of 120 days from the due date for-submission of bid.	
2	Bidders must have been in the business as a manufacturer of the items tendered in India and must have their own capacity to manufacture.	
3	Traders, distributors, dealers and stockists are not permitted to bid.	
4	Bidder must have satisfactorily executed contracts of Electrical winch machine of five metric ton or higher capacity with wire rope before the due date of submission of their bid.	
5	Bids must be accompanied by Bid Security Declaration towards specified above without fail.	
6	Successful bidder must be able to submit :- Performance Guarantee of 3% of total order value including all taxes, duties etc. within Twenty One days after receipt of our order valid till completion of warranty period plus two months	

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

Signature of the Bidder

Name & Designation

Company Seal

Date:

**SCHEDULE OF EXPERIENCE SHOWING ORDERS COMPLETED
(in the past Seven years).**

Customers (full Address)	Order No. and date	Order and location	Value of order (Rs.)	Date for completi on of order as per contract	Date of actual completi on of order	Remarks indicating reasons for late delivery, if any	Has the equipment been installed Satisfactory? (Attach a copy of order and completion certificates from the purchaser)	Contact person Along with Telephone No., FAX No. and email address

Signature of the Bidder

Name & Designation

Company Seal

Date:

BID FORM

[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date:

[insert date (as day, month and year) of Bid Submission]

Tender No.:

[insert number from Tender Notice]

To:

[insert complete name of Purchaser]

We, the undersigned, declare that:

(a) We have read & understand the bidding document and have no reservations,

(b) We offer to execute the order in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services *[insert a brief description of the Goods and Related Services]*;

(c) Our bid shall be valid for a period of **120 days**, from the date of opening techno commercial bid (Part– I), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(d) If our bid is accepted, we agree to submit security deposit and performance guarantee as per mentioned the tender document;

Signed: *[insert signature of person whose name and capacity are shown]* In the capacity of *[insert legal capacity of person signing the Bid Submission Form]*

e) Name: *[insert complete name of person signing the Bid Submission Form]* Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

f) Dated on _____ day of _____, _____ *[insert date of signing]*

FORMAT OF DECLARATION REGARDING AMALGAMATION / ACQUISITION

No. ----- Date:-----

1) Amalgamation/Acquisition

In the event of M/s. -----proposes for amalgamation, acquisition or sale of its business to any other firm during this contract period, M/s.----- and proposed Buyer/Successor of the Principal Company are liable to execute, fulfill contractual obligations without any deviations. For this purpose M/s. -----/M/s.----- and proposed Buyer/Successor of the Principal Company shall indemnify itself to the Centre Director, National Centre for Radio Astrophysics, TIFR, Pune to fulfill the contractual obligations as per the terms of NCRA Tender and bids of M/s. -----No. ----- dated-----and National Centre for Radio Astrophysics P.O. ----- dated ----- . The contractual obligations are **Electrical winch machine of five metric ton capacity with wire rope, as per our tender specifications, drawings, terms and conditions**, as per the above mentioned Purchase Order.

Company Seal & Phone No.:

Name & Signature of Bidder :

Designation :

Date :

**Bid Security Declaration
(to be submitted on Company's letter head)**

I/We the undersigned hereby declare that if we withdraw or modify the bids during the period of its validity, or if we are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline defined in the tender document or fail to execute the contract, we will be suspended for a period of one year from being eligible to submit bids for any tenders invited by NCRA-TIFR, Pune and its related entities.

Name and Signature

Of Authorized Signatory

And Company Seal

Certificate of Local content

(To be submitted on Company's Letter head signed by competent person)

“We (----- name of manufacturer) hereby confirm in respect of quoted item(s) that Local Content is equal to or more than 50% and come under ‘Class-I Local Supplier’ Category. As being ‘Class-I Local Supplier’, we are eligible for Purchase Preference under ‘Make in India’ Policy vide GOI Order No. P-45021/2/2017-PP (B.E. –II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020).

OR

*We (----- name of manufacturer) hereby confirm in respect of quoted items(s) that Local Content is more than 20% but less than 50% and come under ‘Class-II Local Supplier’ Category and hence not eligible for any purchase preference.

The details of the location (s) at which the local value addition made is / are as under :

1. -----
2. -----
3. -----

We also certify that if the details given above are found to be false then it shall be a breach of the code of integrity under Rules 175 (1)(i)(h) of the General Financial Rules for which I / my company or its successor can be debarred for upto two years as per rules 151 (iii) of the General Financial Rules above with such other actions as may be permissible under law.

*Strike out whichever is not applicable

Date :

Seal and signature of the bidder

NOTE :

- Self-certificate that the item offered meets the minimum local content (as above) giving details of the location(s) at which the local value addition is made in case the bidder wishes to avail the benefits under the make in India policy, if applicable.
- In cases of procurement for a value is excess of Rs. 10 crores, the 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 to avail the benefits under the make in India policy, if applicable.

FORMAT OF BANK GUARANTEE FOR PERFORMANCE GUARANTEE

(to be executed on appropriate value of stamp paper)

(To be used by Successful bidder after placement of order)

To,
 Centre Director
 National Centre for Radio Astrophysics
 Tata Institute of Fundamental Research
 Post Bag No. 3, University of Pune campus,
 Ganeshkhind, Pune 411 007.

In consideration of National Centre for Radio Astrophysics, Tata Institute of Fundamental Research, Post Bag No. 3, University of Pune campus, Ganeshkhind, Pune 411 007 (hereinafter called "Centre") having agreed under the terms and conditions of Contract No. Dated made between them and (hereinafter called : The said Contractor(s)) for (hereinafter called "the said Contract") having agreed to provide an irrevocable bank Guarantee for Rs. (Rupees only), as a Security / Guarantee from the Contractor(s) for compliance of obligations in accordance with the terms and conditions in the said contract, we (indicate the name of the Bank) (hereinafter referred to as "the Bank") hereby undertake to pay to the Centre an amount not exceeding Rs..... (Rupees..... only) on demand by the Centre.

2. We (indicate the name of Bank) do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the centre stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. 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 centre 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 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 contract and that it shall continue to be enforceable till all the dues of the Centre under or by virtue of the said contract have been fully paid and its claim satisfied or discharged or till Engineer on behalf of the Centre certifies that the terms and conditions of the said contract 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 that the Centre 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 Centre or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Centre against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Contract 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 Centre or any indulgence by the Centre to the said Contractor 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 of the Contractor.

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

8. This guarantee shall be valid up to unless extended on demand by Centre. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupeesonly) and unless a claim in writing is lodged with us on or before the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Signed and Sealed

Dated the day of for
(indicate the name of Bank).

Signature :

Name of the Officer :
with No.

Seal :

Email ID :

Phone No. :

ANNEXURE-I

Page 1 of 1

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. Works carried out by us shown in **Annexure C** have been carried out by us directly and not on back to back by third parties.

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

ANNEXURE- J

Page 1 of 1

**(TAX DETAILS)
UN-PRICED BID – FOR RUPEE QUOTE**

DELIVERY POINT : -GMRT-NCRA, Khodad, Tal. Junnar, Dist. Pune 410504.

YOUR GST REGISTRATION NO.	
GST %.	
DELIVERY PERIOD	
WARRANTY PERIOD	<div style="display: flex; justify-content: space-between;"><div>_____</div><div>MONTHS</div></div> <div style="display: flex; justify-content: space-between;"><div>_____</div><div>YEARS</div></div>

Date : Signature of Bidder :

Name & Designation :

Place : Company Name & Address :

Company Seal & Phone No. :

PART - II**PRICE BID – for supply of items.****(To be submitted in a separate sealed Envelope)**

Sr. No.	Item Description	Qty.	Price / Each (Rs.)
1	Design, Manufacturing, testing, supply of foot mounted electric winch machine with VFD and individual operation, as per specifications	04 Nos.	
2	Installation, testing and commissioning at our site and providing operational training to our user for One week.	Lump sum	

3	Packing and forwarding Charges	Lump sum Rs.	
4	Transportation charges to GMRT, Khodad, Tal. Junnar, Dist. Pune 410504.	Lump sum Rs.	
5	Insurance (Marine cum Storage cum Erection Policy) charges for the period of Six months from the date of dispatch.	Lump sum Rs.	

Date : Signature of Bidder :

Name & Designation :

Place : Company Name & Address :

Company Seal & Phone No. :

Chapter - 6

Page 2 of 2

PART - II

PRICE SCHEDULE FOR Non-COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT

1	2	3	4					5
Item Sl. No.	Brief Description of the Goods	Quantity (Nos.)	Comprehensive Maintenance Contract Cost per unit per year.					Post warranty Non Comprehensive AMC Charges for 4 Nos. – for 5 years.
			2 nd Year	3 rd Year	4 th Year	5 th Year	6 th Year	

+ GST

Date : Signature of Bidder :

Name & Designation :

Place : Company Name & Address :

Company Seal & Phone No. :

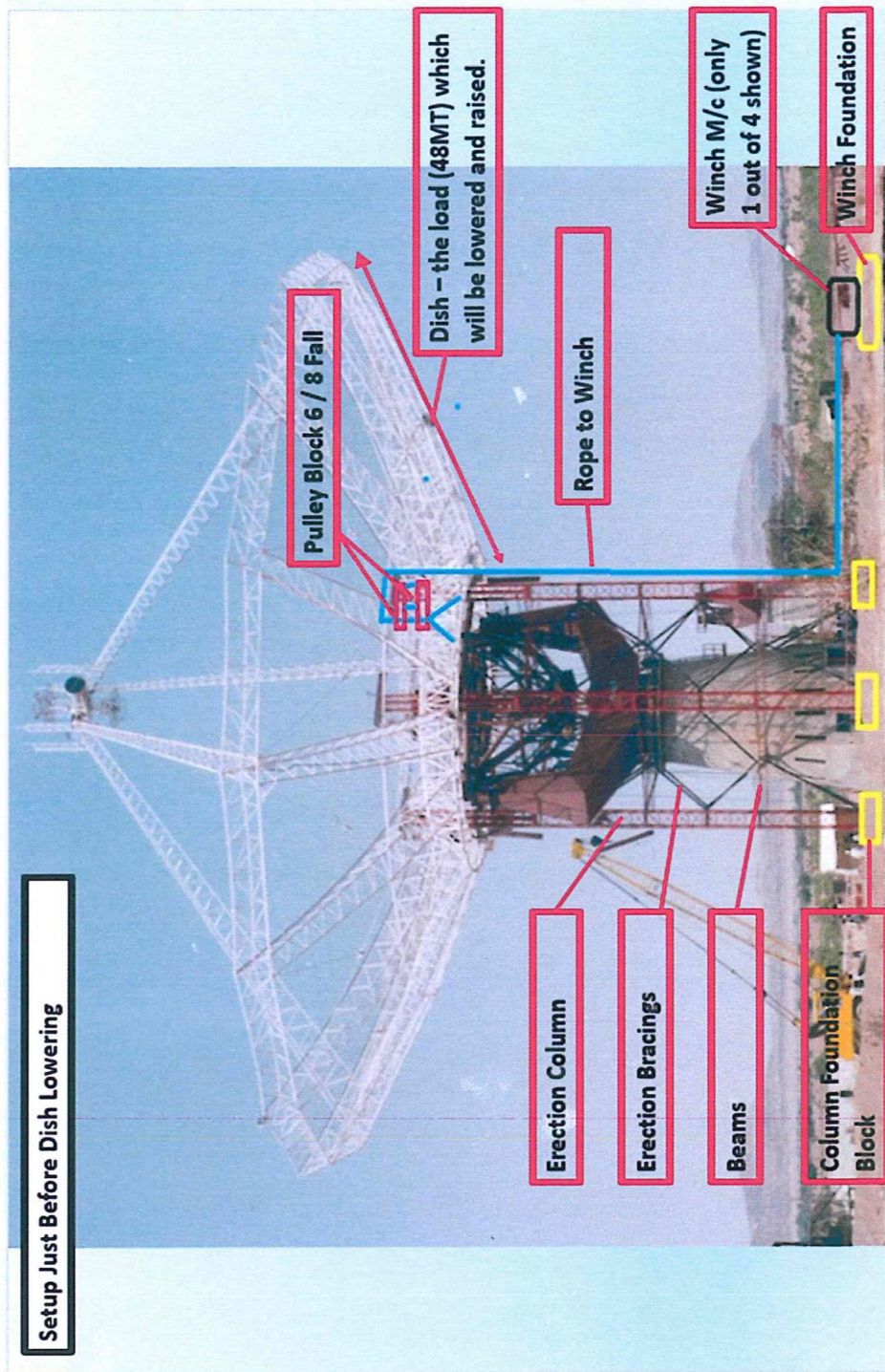


FIGURE 1

Figure 2

Set Up Before Raising the Dish

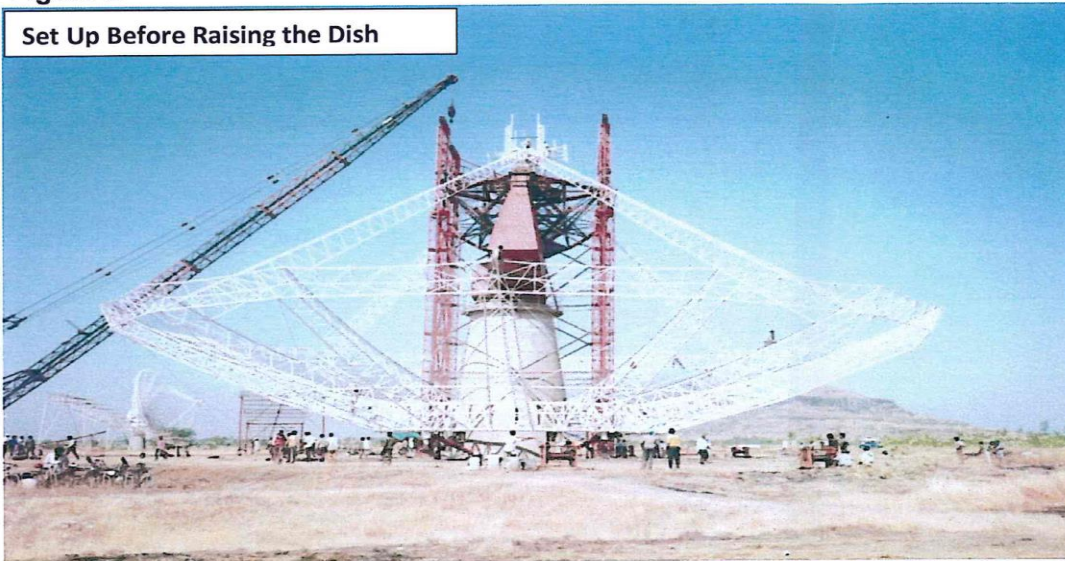


Figure 3

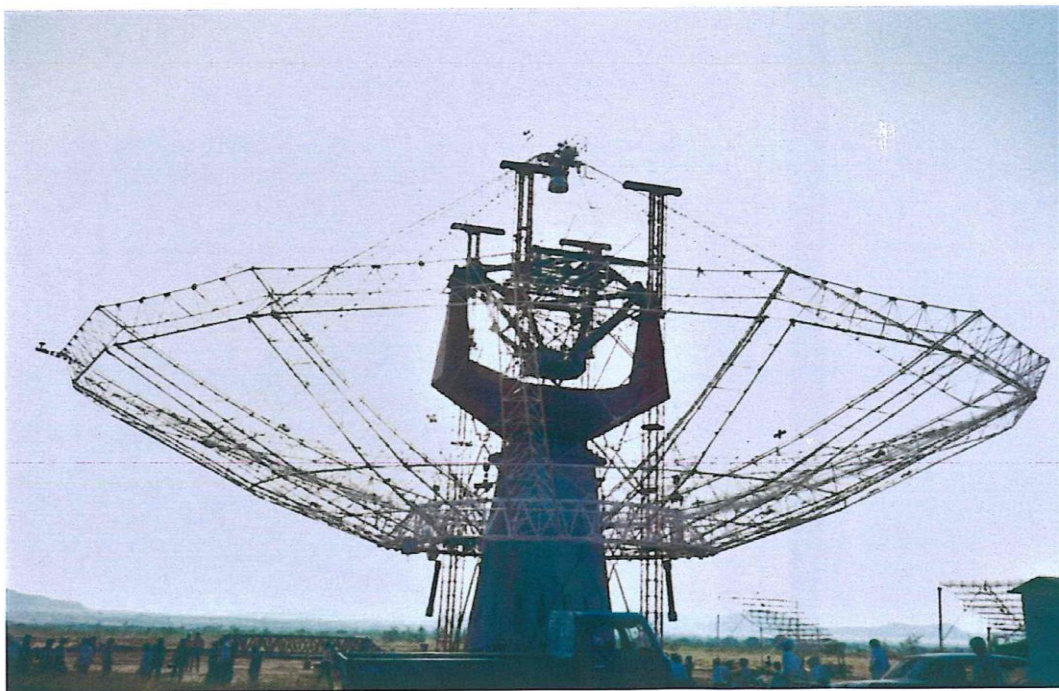
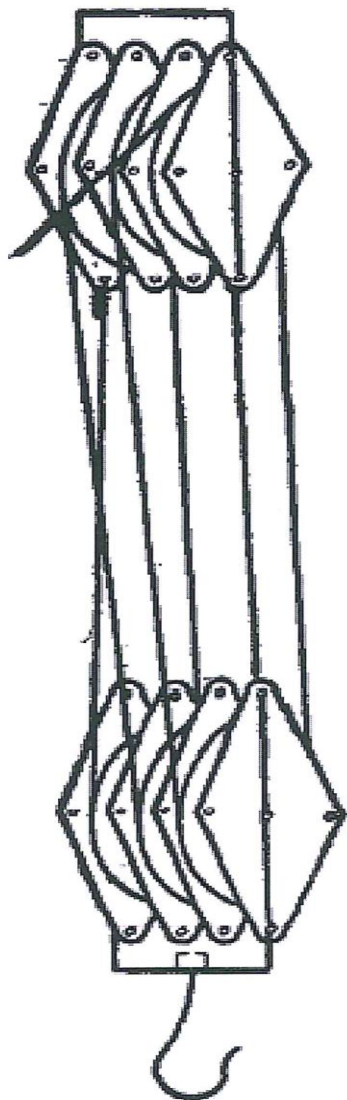


Figure 4





Figure 5



3/3 RIG

BLOCKS