



सत्यमेव जयते

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भारत सरकार
GOVERNMENT OF INDIA
भाभा परमाणु अनुसंधान केन्द्र
BHABHA ATOMIC RESEARCH CENTRE
प्रगत भारी पानी प्रभाग
ADVANCED HEAVY WATER REACTOR DIVISION

ट्रॉम्बे,
मुंबई - 400 085,
HALL No. 7,
TROMBAY,
MUMBAI - 400 085

Ref: AHWRD/GLK/MF/2022/P 47013

May 31, 2022

To,
All Parties Concerned

Sub: Minor Fabrication - Invitation to quote

Dear Sirs,

1. Sealed quotations on printed letter head in two part viz. Part-A (Technical quote) and Part-B (Financial quote) are invited by undersigned for and on behalf of the President of India for the work as per the requirements given in the Scope of Supply, details listed in this document, Technical Specification (enclosed as Annexure-I).
2. Bidder shall quote for complete works. The quotations shall be in two parts viz Part A and Part B. Part A shall consist of only the technical aspects of the work. Cost details of any aspect of the work SHALL NOT BE MENTIONED in PART A. Vendors doing so shall be disqualified. Part B would include the financial details, cost of the job, cost break-up, applicable taxes if any, GST & PAN numbers. Vendors shall be evaluated based on their ability to carry out similar jobs and trade test as per technical specification. Thus past experience in carrying out similar works should be clearly mentioned in Part A. The client reserves the right to inspect similar prior jobs executed & can also seek additional details to help evaluate the bids.
3. Part A (Technical) and Part B (Financial) bids shall be in two separate sealed envelopes.
4. The quotation including both technical bid (Part A) and financial bid (Part B) must reach Head, Advanced Heavy Water Reactor Division, BARC, Mumbai at given address latest by **10/06/2022**. The envelope should be super scribed "**Minor Fabrication- Preparation of 3D Models & its associated 2D GADs for components and equipment, 3D-Modelling & 2D-GADs related to Plant Design & Layout of AHWR for Phase-V work**" and should indicate this **office Ref. No. and due date** of opening clearly. The envelope should be sealed and marked clearly as Part-A Technical Bid and Part-B Financial Bid on respective envelope. Also bidder details should be clearly marked on sealed envelopes.
5. The quotation must be sent by **Speed post/ Registered post through Indian Postal Services** only so that it reaches office on or before **10/06/2022 by 16.00 Hrs.** Address for sending quotation is as following:

Head, AHWRD,
Engineering Hall No.7,
Bhabha Atomic Research Centre
Trombay, Mumbai 400085
(Kind attention: Shri Ganesh Lal Kumawat, AHWRD, Tel no. 2559 7124)

6. No free issue material shall be provided by the purchaser.
7. Please contact Shri. Ganesh Lal Kumawat, AHWRD, BARC on telephone number **022-25597124** or on email: ganeshlk@barc.gov.in for any technical clarifications.

1 SCOPE OF THE WORK:

The scope of work involves the preparation of 3D layout of equipment, piping, instrumentation, electrical & HVAV in Catia Plant Design Software. Additionally, General Arrangement drawings in CATIA software &

CADIAN (CAD) software, associated bill of material (BOM). Technical Specification enclosed as Annexure-I. The following table summarises the quantity of these digital format drawing sheets:

S. No.	Deliverable Items	Quantity
1	A0 Size Drawings associated with 3D models	27 Nos.

2 Free Issue Materials:

No free issue materials for this work order.

3 Duration of work:

The entire work is to be completed within **135 calendar days** reckoned from the **5th day** after the date of issue of the work order. This period should be strictly adhered to.

4 General Instructions:

- 4.1 In this document, the agency/supplier on whom the work order will be placed is referred to as the “Contractor”. The agency executing/issuing this work order will be referred to as the “Client”.
- 4.2 **The bidders should quote in a modular way, rate wise, for work listed sheet wise, as per the table in the scope of supply. Lump-Sum quotations will not be considered. The rate has also to be quoted in words.**
- 4.3 GST: Since the goods are to be supplied against the work order meant for research purpose of a research organization under DAE, Govt. of India, the applicable GST for such cases shall apply. These should be quoted separately.
- 4.4 Taxes, duties, if any, applicable should be indicated separately.
- 4.5 Where, the prices quoted are inclusive of excise duty, the percentage/quantum of excise duty included in the quoted price should be specifically indicated in the tender.
- 4.6 Place of work: CFB, Hall-7, Trombay, BARC and AHWR-EDC, NRB Building, Anushaktinagar, Mumbai.
- 4.7 The contractor shall have to maintain the area assigned to him for the work very clean and shall follow the instructions of Engineer in-charge from the Client side in this regard. All equipment/tools etc. are to be removed and clean the area after the end of the day's work.
- 4.8 In case any extension in the job completion period is required, the contractor has to write to the Client, giving proper justification for the delay. The decision to approve the extension rests with the Client. No extra cost will be paid to the Contractor for this extension of time.
- 4.9 With the offer, bidders should please furnish the detailed information regarding whether an ex-employee of BARC is working in your organization or whether any of your relatives is working in DAE/BARC or you are an ex-employee of DAE/BARC. In absence of such information or wrong information, the quotation or contract is likely to be rejected/cancelled.
- 4.10 The offer shall be kept valid for a period of 60 days from the date of opening of the tender.
- 4.11 The Client reserves the right to alter the quantity while placing the order.
- 4.12 The Client reserves the right to accept or reject any or all the quotations received without assigning any reasons whatsoever.

5 Commercial Terms:

- 5.1 Payment will be made at the end of the completion of the full scope of work i.e. after all the documents have been delivered and found acceptable after the final stage of review or after completion of delivery period of the work order, whichever is earlier.
- 5.2 Release of advance or interim payment cannot be considered.
- 5.3 Payment will be made by ECS after satisfactory completion of the work as per Government rules.
- 5.4 At the time of settlement of claims, the Contractor has to submit bills/Invoice in triplicate, advanced stamped receipt, work completion certificate from the Client and Bank Details of the contractor to the Client.

- 5.5 In the event that the full scope of supply has not been completed by the Contractor for any reason, on the expiry of the term of contract, the payment shall be made on a pro-rata basis for the work carried out for fully completed, reviewed and accepted documents only. Payment will not be made for work which has not been fully completed or found unacceptable by the client.
- 5.6 Taxes: Income tax @ 2% and applicable surcharge will be deducted from your bill. TDS certificate to that effect will be issued by BARC, if so desired.
- 5.7 Bidder should note that BARC is final consumer of the goods/services procured and does not intend to make any outward supply. BARC will not avail the benefits of input tax credit and hence, the good can be supplied without quoting the GSTIN of BARC, Mumbai on invoice. The invoices taxed under GST, as per rates applicable under the GST schedule of rates, will be admitted for payment.
- 5.8 GSTN Invoice: The invoice raised by the registered supplier of taxable goods/services along with other details specifically indicating: GSTN, PAN, Location of supply, tax component to be separately indicated.
- 5.9 An undertaking shall be furnished by the registered supplier that the GST has been promptly deposited with the authorities.
- 5.10 Recovery of TDS @2% on GST in case of payment of invoices for supply under contract exceeding Rs.2.50 Lakhs.

6 Option:

After the placement of the work-order, the Client reserves the right to terminate the contract by giving a notice of one month and without any financial obligation on the part of the client. In the event of cancellation of the contract for any reason, the payment for work carried out will be on the basis of work that has been fully completed. Payment will not be made for work which has not been fully completed and found un-acceptable after review by the client.

7 Confidentiality:

- 7.1 No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as proprietary in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by the party with equal force.
- 7.2 Restricted information categories under section 18 of the Atomic Energy Act, 1962 and "Official Secrets" under section 5 of the official secret act, 1923: Any contravention of the above-mentioned provisions by any contractor, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.
- 7.3 Prohibition against use of BARC's name without permission for publicity purposes: The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like press, radio, T.V. or Internet without prior approval of BARC.

8 Intellectual Property & Copyright:

All work covered in the scope of supply, shall remain as an intellectual property of the client. The contractor shall not make any claim for copyright or intellectual property right at any point of time.

9 Safety:

- 9.1 All the persons deployed by the contractor at site shall be physically and mentally fit.
- 9.2 All applicable industrial & safety precautions shall be taken by the contractor in respect of their personnel working at site.
- 9.3 Above work calls for adherence to safe work practice. BARC shall not be responsible for any damage, injury, death etc. of any contractor's personnel under any circumstances. No compensation claim shall be admitted in this regard.

10 Guarantee:

The work pertaining to the design shall be guaranteed against any defects/faulty workmanship for a period of


one year from the date of acceptance. During the above period if the items become defective, bidder will be responsible for making arrangements for repairing at free of charge. Contractor will issue the guarantee certificate at the time of commissioning/acceptance by department, mentioning the contents of the guarantee clause as mentioned above.

11 Security Instructions:

- 11.1 The bidder should note that entry inside BARC is restricted and it is compulsory for contractor to get police clearance (*as prescribed by security section of BARC*) for all his staff who will be entering BARC for work.
- 11.2 The contractor has to follow strictly the security regulations prevailing in BARC from time to time especially in regard to working hours, movement of materials and entry permits.
- 11.3 Vetting of the firm will be carried out by the security section of BARC.
- 11.4 Identity cards for the contractor and contractor's persons (employees/consultants) will be issued after verification of their antecedents.
- 11.5 It will be the responsibility of the contractor to produce police verification certificate (from commissioner's office) for his persons before seeking permission to commence any work inside BARC premises.
- 11.6 Police verification certificate submitted with respect to an individual will be treated valid only for one year from the date of issue and on expiry of one-year period, a fresh police verification certificate will have to be arranged by the Contractor. Entry of personnel without a valid PVC is not permissible.
- 11.7 Local address (Mumbai) is required for preparation of photo identity cards at BARC.
- 11.8 For working on weekends and late hours even though permission will be accorded by Engineer-In-Charge of the Client, the contractor will have to make application to the BARC security also and keep them informed well in advance.
- 11.9 The work can be carried out on all working days (Monday to Friday) between 09:45 hrs to 18.15 hrs excluding Govt. declared holidays.

Enclosures:

- 1) Annexure-I: Technical Specifications


31/05/2022
(Ganesh Lal Kumawat)
SO/D, AHWRD

वैज्ञानिक अधिकारी /Scientific Officer
प्रगत भारी पानी रिएक्टर प्रभाग, हॉल नं. 7
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भारत सरकार /Government of India
भासा परमाणु अनुसंधान केंद्र /Bhabha Atomic Research Centre
ट्रॉम्बे, मुंबई-४०००८५/Trombay, Mumbai-400085

ANNEXURE-I

Technical Specifications

1.0 Scope of work:

The scope of work involves 3D CAD Modelling & 3D-Plant layout in the domain areas of equipment, piping, instrumentation, electrical, HVAC, Civil Structures, Steel Structures, mechanical components, part design etc using CATIA family of plant design software.

General Arrangement drawings, design drawings, part drawings etc. associated to the 3D model needs to be extracted & finished in CATIA software. The following table summarises the quantity of these digital format drawing sheets as deliverables for Phase-V work along with the respective 3D- models.

S. No.	Deliverable Items	Unit	Quantity	Basic rate per unit (Rs)	Total Basic Cost (Rs)
1	A0 Size Drawings associated with its 3D model for AHWR Phase-V work.	Nos.	27		

Note: In case drawing will be made in different size other than A0 size, the following relations will be used to evaluate the equivalent number of A0 size drawings:

- 2 nos. of A1 size drawings = Equivalent to 1 no. of A0 size drawing
- 4 nos. of A2 size drawings = Equivalent to 1 no. of A0 size drawing
- 8 nos. of A3 size drawings = Equivalent to 1 no. of A0 size drawing

2.0 Terms Used:

In this document, the agency/supplier on whom the work order will be placed is referred to as the “Contractor”. The agency executing/issuing this work order will be referred to as the “Client”. Engineer in charge (EIC) identified by the client to coordinate the work with the contractor.

Terms/ Abbreviation	Description
BOM	Bill of material
Contractor	The agency/supplier on whom the work order will be placed.
Client	The agency executing/issuing this work order.
D/M	Draftsman
EIC	Engineer in charge
GAD	General arrangement drawing
H/C	Hard copy
H/W	Hardware
RCD	Review Comment Documents
S/W	Software
WO	Work order

3.0 Work Description: Preparation of 3D-models, its associated 2D-CAD Drawings & BOM Tables:

S. No.	Item Details	Compliance from Bidder
3.1	3D-Modelling and 2D-Detailing of Components & Equipment:	
3.1.1	The Job involves preparation of 3D CAD Models of Components, Vessels, Tanks, Equipment etc in CATIA family of plant design Software, extraction & finishing of associative drawings in CATIA. The extracted drawings have to be completed with dimensioning, detailing, BOM Tables, notes etc. in A0 size (or equivalent) drawing in CATIA s/w as required by Client.	
3.1.2	These 3D-models & associative 2D-drawings made in CATIA s/w native format have to be additionally converted to formats like pdf, dxf, svg, smg with	

	appropriate settings specified by the client. The format conversion process is automated in CATIA-s/w & requires very little effort from contractor. Hard copies as required for review & approval will be required to be printed, cut to size and made ready for review and approval at the client end as applicable. After the completion of the final approval process, the H/C drawings have to be scanned by the contractor and stored as pdf for archival at the client's end by the contractor.	
3.1.3	It is envisaged that each component/ equipment will be detailed in one number of A0-size drawing. Thus, the cost of one A0-size drawing shall include the effort towards all the foregoing activities and shall be considered as the deliverable indicating completion of this work.	
3.2	3D-Modelling & 2D-GADs related to Plant design & Layout:	
3.2.1	The Job involves the placing of 3D CAD model of equipment's, components & structures in CATIA Plant Design Software and laying out the piping & piping components in 3D Plant space. In similar lines the work also involves placement of electrical, instrumentation, HVAC, structures, supports etc. domain area plant items & elements. The job also includes the creation of hanger and support for piping, HVAC, electrical etc. and placement of hanger and support to piping, HAVC, electrical etc.	
3.2.2	The layout drawings (GADs) will be extracted from these 3D CAD models and have to be finished in CATIA. These drawings will be associative to the 3D model & all modification will have to be first made in the 3D model & subsequently reflected in the associated 2D-drawings. While this process of modification of 2D-GAD from its associative 3D-model in CATIA plant design s/w is automated, it will require some effort in post-processing of the 2D-GAD. The BOM shall be created in MS-excel & incorporated in CATIA-GAD. The Drawing Sheet template will be provided by the client.	
3.2.3	The equipment, components, piping & piping parts in 3D plant layout will be prepared in a separate stage, either by the contractor in 3.1 above or by the client. Hence, for this work covered in 3.2, the 3D equipment modelling layout of these items may be treated as inputs to the contractor.	
3.2.4	This stage primarily involves the placement of the pre-modelled 3D-plant element in the pre-defined 3D plant space as per the requirement of the client. These requirements will be communicated to the contractor in the form of hand sketches, CAD-sketches/ drawings, written, oral/telephonic communication. As this work involves the evolution of plant layout, iterations are expected before finalising of the acceptable layout for all the domain areas listed in 3.2.1.	
3.2.5	The process described in 3.1.2 will now have to be followed for extracting & finishing the GADs.	
3.2.6	It is envisaged that each A0-size GAD will represent each of the floorplan, sectional plan, elevation & end-views of the 3D plant Layout carried out by the contractor. These finished and accepted A0-size GADs shall be treated as the deliverables listed in the scope of supply and represent the work carried out in this stage (3.2).	
3.2.7	A starting set of symbols for 2D-drawings will be provided by the client in hardcopy format, this list may need to be expanded as per requirement by the Contractor based on requirements at no cost to the client.	
3.3	Review and Acceptance Procedure:	
3.3.1	Review of the work shall be carried out by the Clients Representative, to check its content and conformity to specifications, after the completion of each stage of progress for each drawing & 3D CAD Model.	
3.3.2	These Reviews will be carried out in 4-stages i.e. S0, S1, S2 & S3. After each stage of review, the Client will provide the Contractor's personnel with their review comments marked on the Hard-Copy (H/C) of Drawing Sheets or through	

	sketches and notes etc. (Review Comment Documents (RCD)). The Review Work and H/C RCDs will be arranged by the Client and are not in the scope of work of the Contractor. The comments, suggestions, modifications etc. marked on the RCDs by the client will have to be incorporated by the Contractor in the respective set of documents before they are submitted for the next stage of review.	
3.3.3	The contractor shall submit the Drawings and Tables in their respective editable, digital format (dwg for CAD & xlsx for MS-Excel Tables) to the coordinator of the client at each stage of these review.	
3.3.4	The contractor has to preserve all the RCDs submitted to them in digital/scanned format. At the next stage of review, along with the digital version of the documents, the contractor shall also submit the RCDs of the previous stage of review to the Client.	
3.3.5	At each stage of review, the contractor will hand over the digital versions of the CAD Drawings and the List Tables in Excel and in CAD format to the Clients Coordinator. The Contractor Person will arrange the necessary printouts, using client resources and first arrange the Review work at their end as per the review & Quality Check procedure provided by the client. Subsequently, the same will be reviewed by the client's representative. The comments marked on the Review Sheets by the Client and through other communications, are to be incorporated in the work by the Contractor before it is placed for the next stage of review.	
3.3.6	The contractor should carry out a self-review and offer a refined work to the Client for review. If Drafting/Data errors are found to be more than around 10% of the work carried out at each stage of review, such Drawings/List Tables will be returned to the contractor for correction and re-submission for the same stage of Review. This time invested by the client in Review of this erroneous work will not be counted as a part of time taken by the client to finish the review process. This time lost will be on the Contractor and will be accounted for as time taken by the contractor for modelling/drafting work.	
3.3.7	At each stage of Review, the inputs provided by the Client may be modified by around 5%. The resulting rework and modifications, wherever applicable, has to be carried out by the Contractor free of cost and incorporate it in the work before the next stage of submission for Review. This does not include the rework/modifications necessitated due to errors, lack of understanding, negligence etc. by the contractor.	
4.0	Place of work & Infrastructure Provided:	
4.1	All work covered in the scope of supply, is to be carried out at the client's premises at CFB, Hall-7, Trombay and AHWR-EDC, NRB, Anushaktinagar, Mumbai. The Contractor will not be permitted to take the work (in any form) out of the client's premises.	
4.2	The Client will arrange for necessary hardware (PC) & software (CATIA, Cadian for CAD & Excel etc.) for carrying out the job. The Contractor will not be permitted to bring any hardware or software into the client's premises.	
4.3	The Client will arrange seating arrangement for the contractor's personnel.	
4.4	Canteen facility is available at the Clients premises. The Contractor's personnel may patronize it on payment basis.	
4.5	Mobiles, Cameras, Lap-Tops, Tablets, USB-Drives, tools, CD etc. are not allowed to be carried into the Clients premises. Locker/Deposit facility is not available at the gate; hence, such items are not to be carried by the Contractor's personnel.	
4.6	The contractor's Personnel will be issued a pass to enter a specified set of the client's buildings. These personnel should not loiter around within the campus of the client.	
4.7	Email, SMS & Internet facility will not be accessible to the Contractor's personnel.	

4.8	Inter-com facility will be provided to the Contractor's personnel so that they can contact the designated coordinators of the client within the Campus.	
4.9	External (Mumbai) telephone calls may be arranged for the Contractor's personnel through the coordinators of the client to address work or emergency related issues.	
5.0	Requirement of Manpower:	
5.1	Based on the assessment, quantum of work proposed to be carried out during the tenure of the contract as per the assessment of the client as a minimum, around three draftsmen personal of the contractor may be required to complete the work at the required throughput. Contractors may please note that both the quantum of work & its rate of completion are important requirement for the client and will be periodically monitored. However, depending on the progress of the work, the contractor may increase or decrease their manpower as per their judgement or on the request of the Client.	
5.2	Among the Three-draftsman/engineers provided by the contractor, one of them should be designated as a supervisor-draftsman and the others as draftsman. The supervisor-draftsman shall manage the personal of the contractor and distribute the work to them in addition to his own drafting work. He shall be responsible for understanding the work from the personal of the client and explain the same to the contractor's D/M. He shall carry out the review of the work carried out by the contractor's D/M before presenting the work for review by the client. He shall be responsible for solving the difficulties faced by the contractor's D/M & coordinate with engineer in charge as and when required.	
5.3	As all the 3D-modelling & 2D-drafting will be carried out using CATIA-s/w (mechanical design & plant design), all the personal should be trained in usage of CATIA-s/w.	
5.4	An experience of the D/M/engineers in 3D-modelling & 2D-drafting using CATIA-s/w will be preferred.	
5.5	As per the assessment of the client, D/M with experience and knowledge of Autocad, PDMS etc. in 2D & 3D CAD modelling can be suitably trained by the contractor in usage of CATIA s/w for executing this work.	
5.6	The supervisor should necessarily have five years or more experience in the 2D-drafting using Autocad. Additionally, he should have working experience in 3D-modelling using Autocad, solidworks etc.	
5.7	The D/M/engineers should have three years or more experience in all the items listed for supervisor. Higher experience will be preferred.	
5.8	The experience record of the contractor personnel should be submitted along with their offer for technical evaluation of the contractor.	
5.9	In case the contractor's draftsman is found unsuitable by the Client for the assigned job, the contractor shall provide a replacement acceptable to the Client within one week from the date of written communication issued by the client to the contractor. The resulting loss of time, if any, will be on the Contractor at no cost to the client.	
5.10	The Contractor's draftsman/personnel will work on BARC's working days (Monday to Friday excluding BARC declared Holidays) from 9:45 AM to 6:15 PM. Modification in working hours & working days will be in scope of the Client. The Contractor's personnel can take maximum two days leave per month.	
5.11	The Contractor has to submit the list of names of the personnel, their designation and the role each of them will play in meeting the scope of supply at the Client's venue.	
5.12	All personnel of the Contractor who will work at the Clients premises, should necessarily have identity documents issued by the Contractor, valid identity documents like Aadhaar Card, PAN Card etc. & Police Verification Certificate. All necessary documents required by BARC Security, including the foregoing	

	need to be arranged by the Contractor at no expense to the client.	
6.0	Vendor Qualification & Technical Demonstration:	
6.1	At the time of bid-evaluation, the offers received will be technically evaluated on the basis of the technical merit of the team proposed by the Bidder/Vendor to be deployed for this work.	
6.2	A three-hour trade test will be arranged by the client at their premises with necessary h/w & s/w resources at Anushaktinagar, Mumbai-400094 as a part of this vendor qualification.	
6.3	The vendor shall arrange the availability of their full proposed team for this test at no cost to the client.	
6.4	As a part of this exercise, a typical set of input documents will be shared by the client with the vendor's team. This will be discussed & explained to the Vendors team for about an hour. During this time, the vendors' personnel will be introduced to the h/w & s/w. In the next 2 hours, the personnel of the Vendor will have to create a 3D part, build 3D part as intelligent part and use those parts through catalogue for placement of parts for plant layout. Then he will have to create A0 size drawing from 3D layout in CATIA software and CADian software. The work out-put shall be rated based on its quality, quantity.	
6.5	The personnel of the Vendor are expected to be trained in these respective s/w used.	
6.6	The vendors and their personnel, qualifying this Trade-Test will be considered for further assessment.	
6.7	These qualifying personnel alone will be considered for executing the final work. If a vendor wants to replace such a qualified person with a new one, at any stage, this person will first have to qualify the trade test. The loss of man-days due to such an effort after the order is placed, will rest on the contractor.	
6.8	The vendors whose teams have been qualified on the basis of the trade test will be required to arrange a visit to their premises by the representatives of the client, wherein the vendor will present the similar work carried out by them and demonstrate their working process and infrastructure in place at their venue.	
6.9	At the time of their offer/bid submission, the bidders must submit a list of work-orders executed by them in the past 5 years, similar to the present scope of supply. They should also list the value of such orders, the name and contact details of the relevant parties. The Bidders should have no reservations if the client will contact these parties for the vendor feedback.	
7.0	Period of Contract:	
7.1	The period of contract will be for 135 Calendar days . The working days during this period will be based on para 5.10 above.	
7.2	The maximum tenure of this work, 135 calendar days has been worked out on the basis of likely throughput from the side of the Contractor & the client. If, however, the total scope of work is completed earlier, the work will be considered as completed as per the full scope on that day itself.	
7.3	If the work has not been completed during the completion period of the contract, the contractor shall be paid as per the work completed by the contractor and found acceptable by the client. Hence, the bidders have to necessarily quote as per the rate of the deliverable completed.	
8.0	Delivery:	
8.1	All documents covered in the scope of supply prepared by the contractor's personnel shall be delivered to the Client as soft copies (3D CATIA files and 2D CATIA drawing, dwg & pdf for GAD & CAD Drawing) at intermediate stage of review as well as a final deliverable after completion of the work.	

9.0	Security clearance of Personnel & Contract Agency:	
9.1	All personnel of the supplier who will work at the client's premises, should necessarily have identity documents issued by the supplier, valid identity documents like Aadhaar-Card, PAN Card etc. Police Verification Certificate is mandatory for this work. All necessary documents required by BARC Security, including the foregoing need to be arranged by the Supplier at no expense to the client.	
9.2	If the Contracting agency/Organization has not been vetted out as per BARC Security procedure, the same will have to be complied with by the contractor before start of work. The bidders should necessarily state this status of their organization at the time of submission of their offer. The delay caused in the procedure for obtaining clearance from the BARC Security for both the personnel & the company, attributed to the non-availability of required documents etc., shall rest on the vendor.	
9.3	If the Contractor is unable to obtain the necessary clearances from the BARC security agencies due to reasons attributed to the supplier within a period of 60 calendar days from the date of placement of the work order, the Client may cancel the work order without any reason and without any liability to the Client.	
10.0	Material used:	
10.1	All Hardware, Software, Consumables, Seating Arrangement required for the scope of work will be provided by the client.	
11.0	Industrial Safety & Hygiene:	
11.1	The Contractor's personnel shall follow safe industrial safety & hygiene practices during this work and keep the work area neat and clean. Adherence to these responsibilities lies with the Contractor.	
12.0	Insurance of personnel:	
12.1	The supplier shall ensure that their personnel are covered by industrial, health safety and accident insurance as applicable for such work. The client shall not be responsible for any incidents arising during the work which may have implications on the personnel on the aforementioned accounts. No compensation in any case will be paid to the contractor or their personnel.	
13.0	Note to Bidders:	
13.1	The Bidders should necessarily quote basic rate wise per unit if the items in the scope of supply in addition to the Basic cost, excluding all taxes.	
13.2	The Bidders should quote the applicable taxes separately, rate wise in addition to the total cost as applicable for this work	
13.3	Payment will be made based on the work completed at the end of the tenure of the contract.	
13.4	The bidders should submit their bids along with the compliance report table summarized in the form of this specification. Each point of this specification should be addressed along with other points listed in the enquiry. Deviations wherever envisaged by the bidder should be clarified and substantiated.	