

VP/EFD/1565/RD-TAB-21/2020

Vigyan Prasar
Department of Science & Technology
Ministry of Science & Technology
Govt. of India
A-50, Institutional Area, Sector-62, Noida-201 309 (U.P.)

TENDER DOCUMENT
Sub: Tableau of Department of Science & Technology (DST)
for display during Republic Day Parade 2021

On behalf of Department of Science & Technology, Ministry of Science and Technology, Government of India, Vigyan Prasar, an autonomous institution of Department of Science & Technology (DST), invites Sealed tenders/quotations from reputed and experienced agencies to conceptualize, design, fabricate and display a Tableau of DST during Republic Day 2021. The theme of the proposed tableau is “**By Science We Serve**”.

2. The detailed schedule of opening of the bids is given below:

S. No.	Activity	Date and Time
1	Last date for submission of Bid	9 October 2020, 11:00 hrs.
2	Opening of Technical Bids	9 October 2020, 11:30 hrs.
3	Presentation by eligible bidders	9 October 2020, 12:00 hrs. onwards
4	Opening of Financial bids	9 October 2020 (after all presentations)

3. Detailed tender document can be uploaded from Vigyan Prasar’s website (www.vigyanprasar.gov.in) and NIC website (eprocure.gov.in).

4. Tender received after the closing date and time, shall be rejected.

5. For any query please write to bhushan@vigyanprasar.gov.in.

(Rajender Kumar)
Administrative officer
Vigyan Prasar

Vigyan Prasar
Department of Science & Technology
Ministry of Science & Technology
Govt. of India

A-50, Institutional Area, Sector-62, Noida-201 309 (U.P.)

Dated: 23 September 2020

TENDER DOCUMENT

Sub: Tableau of DST for display during Republic Day Parade 2021

1. For and on behalf of Department of Science & Technology, Government of India, Vigyan Prasar, an autonomous institution of DST, invites Sealed tenders/quotations from reputed and experienced agencies to conceptualize, design, fabricate and display a Tableau of DST during Republic Day 2021, on the theme of “**By Science We Serve**” on Turnkey basis under **TWO BID SYSTEM**.
2. Detailed terms and conditions for submission of bids and other instructions procedure given in **Annexure-I**.
3. The guidelines for preparation of Tableau proposals for participation in the Republic Day Parade – 2021 are given in **Annexure –II**.
4. The background note on the theme “**By Science We Serve**”, on which the Tableau should be conceptualized and designed is in **Annexure III**
5. Format for application is given in **Annexure IV** and the format for financial bid in **Annexure V**
6. Interested agencies are requested to submit their Technical Bid and Financial Bid in separate sealed covers and enclosing both the sealed covers in another sealed cover superscribing “**TENDERS FOR Concept, Designing and Fabrication of DST Tableau for the Republic Day 2021**” addressed to the Director, Vigyan Prasar, A-50, Institutional Area, Sector-62, Noida-201 309, U.P. and send the same on or before the due date.
7. The detailed schedule of opening of the bids is given below:

S. No.	Activity	Date and Time
1	Last date for submission of Bid	9 October 2020, 11:00 hrs.
2	Opening of Technical Bids	9 October 2020, 11:30 hrs.
3	Presentation by eligible bidders	9 October 2020, 12:00 hrs. onwards
4	Opening of Financial bids	9 October 2020 (after all presentations)

Venue for the above events will be at Vigyan Prasar, A-50, Institutional Area, Sector-62, Noida-201 309 (U.P.)

8. Tenders received after the closing date and time, shall be rejected.

(Rajender Kumar)
Administrative officer
Vigyan Prasar

**DETAILED TERMS AND CONDITIONS, PROCEDURE FOR SUBMISSION OF BIDS
AND OTHER INSTRUCTIONS**

1. Scope of work:

- 1.1 In the Republic Day Parade 2021, DST is proposing to submit Tableau on the theme of “**By Science We Serve**” (a brief background on the concept note is annexed as **Annexure III**). The scope of work would include among other things, conceptualizing, designing a Tableau; preparing a 2D sketch in detail the same as presentation in 3D wire frame or other appropriate software and; 3D scale model and finally fabrication of the same as a Tableau for the Republic Day parade, and its display during the parade. Each activity will be subject to clearance / approval by Ministry of Defence.
- 1.2 The work has to be undertaken on a turnkey basis and will include all aspects of fabrication of tableau i.e. from conceptualization, making of designs, modification of designs from time to time as per the requirement and instructions, presentation of the designs before the selection committee of the DST and Ministry of Defence, fabrication of the models, modifications thereof as per requirements and instructions, presentation of the model before the committee of DST and Ministry of Defence and upon selection of the model, fabrication of the actual tableau and its display at the parade, as per the requirement, specification, time schedule and instructions by the VP/DST and Ministry of Defence, providing of suitable/appropriate lyrics, composing of music, arrangements of artists and actual pre-recording of the music for use in the tableau, arrangements of choreography as per requirement including arrangements of artists, folk dance troupes etc. The job will also involve actual presentation and display of tableau during the Republic Day parade, full dress rehearsal (if required) and maintenance of required services at the time of presentation during the event. The turnkey project would also include any other work that may have direct or indirect bearing with the fabrication and presentation of the tableau and may facilitate the project in any manner. VP/DST will have the right to modify, change, accept or reject the work in totality or any part thereof or cancel the project at any stage without assigning any reason. The copyright of the work shall vest with the Ministry and it would have rights on the awards won, if any.
- 1.3 The specifications of the Tableau, 2D sketch and 3D scale model etc., are to be as per the specification of the MoD (details **enclosed at Annexure – II**)
- 1.4 While it would be the sole responsibility of the successful bidder to whom the work is awarded to ensure appropriate and excellence aesthetic, creative and technical delivery of the Tableau, DST/VP would from time to time review, monitor and advise and if needed seek modifications to suit the needs and as deemed appropriate.

2. Procedure for submission of Bids:

- 2.1 The Technical Bid and Financial Bid should be placed in separate sealed covers with the wordings “Technical Bid” and “Financial Bid” respectively super-scribed on them. It may be noted that prices must not be indicated in the Technical Bid and must only be indicated in the Financial Bid.

- 2.2 The cover containing Technical Bid and Financial Bid must be put in another envelope (bid cover). The Bid Cover should be superscribed with "TENDER FOR Conceptualising, Designing and Fabrication of DST Tableau for Republic Day Parade 2021, NIT no. VP/EFD/1565/RD-Tab-21/2020 date 23, September 2020 and date of opening 9th October, 2020 at 11:00 hrs.
- 2.3 The cover thus prepared should also indicate clearly the name, address and telephone number of the Bidder to enable the Bid to be returned unopened in case it is declared "Late".
- 2.4 Each copy of the Technical Bid and Financial Bid should be a complete document and should be bound as a volume separately.
- 2.5 Along with technical bid, the sample designs of the Tableau should also be submitted. Bid will summarily rejected in case of non submission of sample designs with Technical Bid.

3. Bid Prices:

- 3.1 The Bidder must submit the financial bid in the proforma prescribed at Annexure-V the detailed and the total Financial Bid Price separate for Concept, drawing, 3D model, 3D walk- through presentation, Fabrication and other services it proposes to provide under the Contract in Indian Rupees (INR). Prices quoted must be firm and fixed and shall not be subjected to any upward modifications, on any account whatsoever, including modifications required to be carried out at the suggestion of the designated committee of DST/VP and/or MoD. In absence of above information, a bid may be considered incomplete and summarily rejected.
- 3.2 The Bidder shall prepare the bid based on details provided in the Tender documents. The Bidder shall carry out all the tasks in accordance with the requirement of the Tender documents and it shall be the responsibility of the Bidder to fully meet all the requirements of the Tender documents.
- 3.3 The Financial bid should clearly indicate the price excluding GST to be charged without any qualifications whatsoever.

4. Authorized Signatory (Bidder):

- 4.1 The "Bidder" as used in the Tender shall mean a Company/Firm/Proprietor who submits the proposal to Vigyan Prasar for providing the services required under the proposed Contract, and who has signed the Tender document forms.
- 4.2 The Bid shall be typed written and shall be signed by a person or persons duly authorized to bind the bidder to the contract. The letter of authorization shall be indicated by a written power-of-attorney accompanying the bid. The person or persons signing the bid shall initial all pages with seal/stamp.
- 4.3 The Bidder shall duly sign and seal its bid with the exact name of the company firm to whom the contract is to be issued.
- 4.4 The bid shall contain no erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

5. Terms and conditions:

- 5.1 The bidder must have prior experience of carrying out the work relevant to the task in Government organizations (see para 10.1 for details of essential conditions).
- 5.2 The technical bid should be accompanied with the EMD of Rs. 80,000/- drawn in favour of Vigyan Prasar payable at New Delhi. Technical Bid without EMD will not be considered. EMD can be paid through demand draft or online by NEFT/RTGS/IMPS to Vigyan Prasar account as detailed below (kindly submit details of NEFT with the bid). Bids without EMD will be rejected.

Account Name/ VIGYAN PRASAR
ADDRESS- A-50, NCMRWF BUILDING, SECTOR-62 NOIDA.
NEFT/RTGS DETAIL
BANK NAME : UNION BANK OF INDIA BANK
ACCOUNT NO. 349902010040204
IFSC CODE-FOR RTGS/NEFT – UBIN0534994
BANK ADDRESS: SAFDARJANG DEVELOPMENT AREA,
C-4, COMMUNITY CENTRE, NEW DELHI-110016

In case the Tender Fee(if applicable)/EMD is remitted online, reference no., in support of payment may be mentioned in the technical bid.

- 5.3 Exemption for EMD can be availed as per GOI orders. While claiming any exemption, the bid should be supported with relevant GOI orders, failing which the bid would not be considered for exemption. The documents furnished in support of exemption claimed will be subject to scrutiny. In case any of the documents provide in this regard is not found to be commensurate with the requirements enunciated in the COI guidelines for availing exemptions, the bid(s) will be rejected at the cost of the Bidder.
- 5.4 The EMD has to be deposited along with the technical bid. Tenders received without EMD would be summarily rejected. EMDs of unsuccessful bidders would be returned within 30 days from the award of work.
- 5.5 The bidders are advised to ensure their capacity & capability before bidding as the task has to be completed in short duration and in a time bound manner under the direction of Vigyan Prasar/DST. Only those bidders who are willing and are in a position to comply with these terms and conditions need to submit the tenders.
- 5.6 The Department of Science & Technology and Vigyan Prasar reserve the right to reject any tender without assigning any reason. If any successful bidder fails to fulfil his obligation under this tender, he may be blacklisted and Vigyan Prasar/DST would also be free to circulate such blacklisted agencies to other Ministries / Departments of Govt. of India.
- 5.7 The work of Tableau will be executed in three stages which (i) acceptance of concept by Ministry of Defence, (ii) acceptance of 3D model by MoD and (iii) actual participation.

5.8 The cut-off dates of delivery at each stage is crucial. Failure to deliver within this deadline would amount to non performance and VP/DST would impose penalty @ 2% of the total contract value maximum to 10% of the total contract value with or without cancelling the work order.

6. Address for Correspondence:

6.1 The Bidder shall intimate the official mailing address, place, email and telephone number to which all correspondence shall be sent by Vigyan Prasar.

7. Contacting the Department:

7.1 No Bidder shall contact Vigyan Prasar/DST on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded.

7.2 Any effort by a Bidder to influence the Department's bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidder's bid.

8. Evaluation of the Bids by Vigyan Prasar/DST:

8.1 The designated committee of DST/VP will open the Bids, in the presence of the representatives of the Bidder who choose to attend, at the time and date, as mentioned in Para 2 of the tender notice.

8.2 The Bidder's names, bid withdrawals and the presence or absence of the requisite Earnest Money and such other details as Vigyan Prasar, at its discretion, may consider appropriate will be announced at the bid opening.

9. Clarifications:

9.1 When deemed necessary, Vigyan Prasar may seek clarifications on any aspect from the Bidder. However, that would not entitle the Bidder to change or cause any change in the substance of the bid submitted or price quoted.

10. Process and Procedure for evaluation of the bids

10.1 Stage 1 – Shortlisting of eligible bidders

All bids received in response to the tender notice shall be scrutinized by a designated committee of DST/ Vigyan Prasar to check the fulfillment of essential eligibility conditions, which are stated as below (decision of designated committee would be subject to approval of competent authority of DST/ Vigyan Prasar):

- 1) Furnishing of EMD of Rs. 80,000/- (Rupees Eighty thousand only) along with technical bid in the form prescribed in the tender document.
- 2) A minimum average annual turnover of Rs.50 lakhs (Rupees fifty lakhs only) in the last 5 years period (2015-16 to 2019-20) (based on audited accounts and/ or Chartered Accountant's certificate). In case audit of accounts for the year 2019-2020 is not complete and a certificate to that effect is produced from the chartered accountant, accounts for the period 2014-15 to 2018-19 will be taken into consideration (submission of false certificates/ information will lead to disqualification at any stage).

- 3) Experience of conceptualizing/ designing/ fabricating of similar works, at least two such works, out of which one should be for participation of tableau in the National Republic Day Parade of any Central Govt. Ministry/ Department/ organization or State Govt./ organization in the past 5 years (document showing proof of undertaking such work like work order issued by the concerned Ministry/ State Govt./ organization in the name of bidder to be produced).

Only those bidders who fulfill all the essential eligibility conditions prescribed above shall be considered for making a presentation before a designated committee of DST/ Vigyan Prasar and detailed technical evaluation.

10.2 Stage-2 – Technical Evaluation: All the bidders declared eligible by the competent authority based on the recommendations of the designated committee shall be subject to detailed technical evaluation based on the information/ details/ concept/ design etc. furnished in their tender/ bid as well as the presentation made before the designated committee and will be awarded marks on various parameters as detailed below :

S.No.	Item	Criteria/ documents required	Max. Marks	Min. Marks required	Remarks
1	2	3	4	5	6
1.	<u>Prior Experience</u> Undertaking/execution of work of conceptualizing /designing / fabrication of tableau in National Republic Day Parade (RDP) in the last 5 years on behalf of any Central Govt. Ministry/ Deptt. or State Govt. or any other organization	See Note 1 below	30	15	
	(a) If such tableau won any award (i.e. tableau got selected by the MoD, participated in the RDP and won some prize		---	---	
	(i) In case of only one such case of winning prize in the last 5 years		20	---	
	(ii) In case of 2 or more such cases		25	---	
	(iii) In case of more than 2 cases		30	---	
	(b) If such tableau did not win any award i.e. tableau got selected by MoD and participated in RDP, even if did not win any prize	See Note I & III below		---	
	(i) In case of only one such case		15	---	
	(ii) In case of 2 such cases		18	---	
	(iii) In case of more than 2 cases.		20	---	

2.	Undertaking/ execution of work of conceptualising/ designing/ fabrication of tableau in State Republic Day Parade or any such other parade of reputed National/ State event in the last 5 years on behalf of any Central Govt. Ministry/ Deptt. or State Govt. or any other organization		10	2	
	(a) If such tableau won any award (i.e. tableau got selected by the concerned agency, the event and won some prize		---	---	
	(i) In case of only one such case of winning prize in the last 5 years		5	---	
	(ii) In case of 2 or more such cases		8	---	
	(iii) In case of more than 2 cases		10	---	
	(b) If such tableau did not win any award i.e. tableau got selected by MoD and participated in RDP, even if did not win any prize				
	(i) In case of only one such case		2	---	
	(ii) In case of 2 such cases		3	---	
	(iii) In case of more than 2 cases.		5	---	
3.	Thorough understanding of theme, which is the theme of the proposed tableau, its details, implementation status and such other related aspects.	See Note II below	10	7	
4.	Soundness and innovativeness of the concept / design/ 3D model proposed in the tender, duly conforming to the guidelines of MoD		20	15	
5.	Presentation before the designated committee/ assessment by the committee		25	15	
6.	Any other parameters as decided by the designated committee – to be announced at the start presentation	See Note IV below	5	--	
			100	70*	

Note I – only the works undertaken/ executed by the bidders, as evidenced by work orders in their name and certification of concerned Ministry/ Department/ SG/ organization regarding participating and winning of prize etc. shall be accepted. Production of documents in this regard is essential. Simple declaration of bidders shall not suffice .

Note II -Brief understanding note to be submitted by the bidder on this count along with technical bid and will be supplemented by discussion/ quizzing during the presentation. In fact overall proposal submitted by the bidder will also be reflective of how well he has understood the scheme.

Note III -Cases covered under (a) i.e. Award winning entry will not be considered again for marks for participation i.e. one entry can qualify only for marks either as award winning or as participant.

Note IV - In case no such parameter is announced, all bidders will be given 5 marks each under this item.

* Not a sum total of individual qualifying marks.

Only those bidders who obtain minimum of 70 marks out of 100 on the various criteria stated above, subject to a minimum required marks under various parameters as listed in col.5 of the table above, will be considered for opening of their financial bids. In case if no bidder obtain 70% marks, the first 3 bidders shall be selected, provided they obtain a minimum of 50 marks out of 100 and further subject to their obtaining at least 75% of the minimum qualifying marks under different parameters stated above. In case no bidder obtains 50 marks out of 100 or 75% of minimum qualifying marks under various parameters stated above, further process with respect to the tender shall be dropped.

10.3 Stage-3 –

Evaluation of Financial Bids

The opening of financial proposal shall be done in presence of representative of applicants who choose to remain present. The lowest Bid (L1) will be based on the lowest combined score (CS) after considering the Price quoted Format given in Annexure V on this NIT and the Technical scores referred above. All shortlisted applicants would be assigned financial score. For financial evaluation, the total cost indicated in the Financial Proposal, excluding GST, will be considered. Each Financial Proposal will be assigned a financial score as detailed below:

The lowest financial proposal (L1) will be awarded 100 % score. The financial scores of other proposals will be computed as follows: Financial Score of a bidder = $\{(Financial\ Bid\ of\ L1 / Financial\ bid\ of\ the\ Bidder) \times 100\} \%$ (adjusted to 2 decimals)

Proposals will finally be ranked according to their combined technical and financial scores (CS) as follows:

$$CS = \text{Technical Score} \times 0.7 + \text{Financial Score} \times 0.3$$

Weight assigned to technical and financial Proposals that shall be 0.7 and 0.3 respectively. Generally, the successful applicant will be the applicant having the highest combined Score. The second highest Applicant will be kept in reserve and may be invited for negotiations in case the first-ranked applicant withdraws or is not selected for any reason.

Example of scoring and evaluation of Tender:

The marks scored by Bidders in the technical evaluation will be given a weightage of 70. Similarly, the financial bids of the Bidders will be given a weightage of 30. The lowest financial proposal (L1) will be awarded 100 % score. Illustration of scoring criteria: Assume 3 participating Bidders have total technical scores as per column (3) in table below

and in case of rates, the total rates quotes is as under:

Sl no.	Description	Total Technical Scores	Rate quotes (say in Rs.) Financial scores	Financial Score of a bidder = (Financial Bid of L1/Financial bid of the Bidder)X100}%
1.	Bidder 1	80	60	(50/60) X 100 = 83.33
2.	Bidder 2	75	55	(50/55) X 100 = 90.90
3.	Bidder 3	70	50	(50/50) X 100 = 100

The Bidder scoring minimum rates in the financial scores i.e. 50 scoring point will be awarded 100 % score and the other bidders will be worked out on proportionate basis and thereafter weightage. Their combined technical and financial scores (CS) as follows: (CS obtained by firm = Technical Score X 0.7 + Financial Score X 0.3)

CS obtained by Bidder A = $80 \times 0.7 + 83.33 \times 0.3 = 56 + 24.999 = 80.999$ (CS1)

CS obtained by Bidder B = $75 \times 0.7 + 90.90 \times 0.3 = 52.5 + 27.27 = 79.77$ (CS2)

CS obtained by Bidder C = $70 \times 0.7 + 100 \times 0.3 = 49 + 30 = 79.00$ (CS3)

For financial evaluation, the total cost indicated in the financial proposal, excluding GST, will be considered.

10.4 Overall Evaluation – Determination of lowest bidder:

The marks obtained by all the bidders in technical and financial bids as per above procedure will be added. The bidder who obtains the maximum marks (out of 200 i.e. 100 for technical evaluation & 100 for financial evaluation) will be classified as lowest bidder and selected for first stage i.e. preparation of concept/ sketch/ design etc with modifications as suggested by the designated committee/ DST/ Vigyan Prasar/ expert committee of MoD, duly conforming to the guidelines of MoD etc. If the design presented by DST before the expert committee of MoD is accepted, the bidder would be asked to proceed to the second stage i.e. preparation of the model and if the same is also accepted/ approved by the expert committee of MoD, with or without modifications, the bidder would be asked to proceed to the third stage i.e. fabrication of the tableau as per the approved design/model, either by itself or by engaging any other agency/ contractor on his own, and taking all related activity for actual participation of tableau in the RPD 2021.

10.5 Unless stated otherwise, the financial bid document is for the whole scope of the work as described in the tender document. The bidder will not be permitted to add any costs later on. The total cost / bid amount indicated in the financial bid will be deemed to be for the entire scope of work outlined / detailed in the tender document, subject to modifications required to be done as per the suggestions of designated committee of DST/VP/MoD. The costs / rates / amounts quoted by the bidder in the financial bid should allow for all costs including labour, materials, consumables, spares, equipments, procurement, freight and installation, transportation charge, customs duty, octroi, excise duty, turnover tax, any other duties, taxes or charges, whatsoever payable on the components or the completed works and satisfactory performance of the bidders obligations under the tender / agreement. Hence, levy of GST over and above quoted rates, if any, like GST should be specifically stated in the financial bid with prevailing rates of such taxes to enable uniform comparison of the financial bids of the various bidders.

Note: Classification of any bidder as 'successful Bidder' does not automatically bestow any right on him to get the work awarded to him, which is subject to further processing and obtaining approval of competent authority of Vigyan Prasar. Vigyan Prasar, for valid reasons, reserves the right to not allot the works to lowest bidder and even cancel the entire tender process at any stage, even after process for determining lowest bidder is over.

11. Right to Accept Any Bid and to Reject Any or All Bids

Vigyan Prasar reserves the right to accept any bid, and to annul the Tender process and reject any or all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidder or any obligation to inform the affected Bidder or Bidder of the grounds for Vigyan Prasar 's action.

12. Notification of Award

Vigyan Prasar will notify the successful Bidder by e-mail or in writing, by registered letter that its bid has been accepted.

Upon notification of the successful bidder, Vigyan Prasar will promptly notify each unsuccessful Bidder and their Earnest Money Deposit will be refunded.

13. Signing of Contract

On notifying the successful bidder, Vigyan Prasar will send the Bidder the Contract Form, incorporating all agreements between the parties.

Within 3 days of receipt of the Contract Form, the successful Bidder shall sign and date the Contract and return it to Vigyan Prasar.

14. Performance Security

The successful bidder has to submit PBG @10% of the contact value. The amount of EMD of the successful bidder would be adjusted in Performance Security

15. Rejection Criteria

Besides other conditions and terms highlighted in the Tender document, bids may be rejected under following circumstances:

a) Technical Bid

- Incomplete bids that do not quote for the complete Scope of Work as indicated in the bidding documents, addendum (if any) and any subsequent information given to the Bidder
- Bids providing information that are found to be incorrect / misleading at any stage / time during the Tendering Process Technical Bid containing commercial details
- Bids that reveal prices in any form or by any reason before opening the Financial Bid

b) Financial Bid

- Bids in which the total lump sum price quoted by the Bidder is not inclusive of all taxes, duties, fees, levies, works contract tax and other charges
- Bids where prices are not firm during the entire duration of the contract and / or with any qualifications
- Bids which do not conform to Vigyan Prasar 's price bid format

c) Others

- Bids that do not confirm unconditional acceptance of full responsibility of executing the 'Scope of Work' of this Tender
- Bids in which the Bidder seeks to influence the Vigyan Prasar's bid evaluation, bid comparison or contract award decisions
- Bids without power of authorization and any other document consisting of adequate proof of the ability of the signatory to bind the Bidder
- Any other reason as deemed appropriate by the Committee

16. Schedules and terms & conditions of payment

16.1 If the concept/ sketch/ design etc. prepared and presented by the bidder before the expert group of MoD is not accepted and does not enter the second stage where 3D models have to be prepared and presented, only 2% of total agreed amount (all items excluding salvage value i.e. Sl. 01 + Sl. 02 + Sl. 03 of financial bid) as per the financial bid with the bidder shall be payable to the bidder, subject to a maximum of Rs.25,000/-.

16.2 Similarly if after entering the second stage of preparation of model, if the model finally prepared and presented by the bidder before the expert group of MoD is not accepted/ approved by the expert group of MoD and the fabrication of the tableau is not required, only 5% of total agreed amount (all items excluding salvage value i.e. Sl. 01 + Sl. 02 + Sl. 03 of financial bid) will be payable to the bidder, subject to a maximum of Rs.50,000/- .

16.3 However, if the model prepared and presented before the committee is finally approved by the expert group of MoD for fabrication and inclusion in the RDP 2021, with or without modifications, agreed amount for this item will be payable in addition to the agreed amounts for the two earlier stages (and incentives for Ist two items as stated above).

16.4 The schedule for the payment will be as follows :

If the model is selected and approved by MoD for fabrication and inclusion in RDP 2021, the payment will be released as follows:

- (a) 50% as initiation advance.
- (b) 30% on fabrication and inspection & acceptance by Vigyan Prasar/ DST.
- (c) 20% on completion of the project.

Further, the payment will be subject to the bidder submitting a bank guarantee, valid for a duration of one year from the date of award of the work, from any nationalized bank for 50% of the total amount. Only on submission of the BG, advance, if any would be made.

GUIDELINES FOR PREPARATION OF TABLEAUX PROPOSALS FOR PARTICIPATION IN THE REPUBLIC DAY PARADE – 2021

1. Suggested theme “By Science We Serve”

2. Selection Process of the tableaux by the MoD

The tableaux proposals received from various organizations / agencies are evaluated in a series of meetings of the Expert Committee consisting of prominent persons in the field of art, culture, painting, sculpture, music, architecture, choreography, etc. In the first phase of selection the sketch/design proposals are scrutinised and suggestions, if considered necessary, are given to carry out modifications in the sketch/ design. Once the sketches/designs are approved by the committee, the participants are asked to come up with three-dimensional models of their proposals. However, entering into the model stage itself does not mean selection. The models are thereafter examined by the Committee for final selection depending upon various considerations. Not more than one tableaux from an organisation participates in the parade.

Adequate time is given to the concerned agencies to make arrangements for attending the meetings of the Expert Committee. Non-attendance in any meeting means withdrawal and concerned agency will not be invited in subsequent meetings. All cost for attending the meetings is to be borne by the concerned agency. All interaction with the members of the committee will be made by the official representative of the organization concerned. The artists/designers, etc. may accompany the official representative to suitably take note of the suggestions given by the Committee to carry out modifications in their respective sketch / design / model. They will, however, not directly interact with the members of the Expert Committee unless they are specifically authorised by the Committee to do so to explain any specific point.

3. Preparation of Sketch /Design

The sketch/design drawn (preferably in graph) on a scale of 1:1” should be simple, colourful, easy to comprehend and should avoid statistical data and unnecessary details. It should be able to convey, whatever it presents, by itself and should not require any explanation, writing or elaboration. Writing or use of logos on tableaux is not allowed except the name of States/UTs presenting which is allowed in Hindi in the front, in English on the back and in Regional language on the sides of the tableau. Similarly, in case of Ministries/departments and other agencies, name of the Ministry/Department/Organisation is to be given in Hindi in the front and in English on the back.

Designs in virtual reality in the form of CD showing the various components displayed from different angles, can also be presented.

4. Preparation of models

After the approval of the proposed sketch/design by the Expert Committee in its preliminary meetings three dimensional model of the proposed tableau would be prepared on the lines of the suggestions given by the Committee for further inspection. Final approval for participation would be accorded only after the models of the tableaux are finally selected by the Committee.

5. Points to be kept in view while drawing up the proposal

- i)** One tractor and one trailer, upon which a tableau would be fabricated, would be provided by the Ministry of Defence free of Charges.
- ii)** No additional tractor, trailer or other types of vehicles would be allowed to be used in the tableau. This aspect should be kept in mind while preparing the designs of the tableau proposals to be presented before the Central Expert Committee.
- iii)** There is no objection to the use of vehicles other than tractor and trailers for fabrication of tableaux to give them a different look. But these vehicles will have to be arranged by the sponsoring authorities themselves. Under no circumstance, the total number of vehicles used in a tableau or the total number of distinguishable mobile components of a tableau would be more than two.
- iv)** As far as possible, there should be some movement, sound and animation on the tableaux.
- v)** The number of performers on the trailer would not be more than 10 persons. No performer is permitted to be on the tractor component of the tableau. Attractive ground element however can be considered on a limited number of tableaux only if it goes with the theme. These conditions are subject to modifications by MoD depending on the requirement of the tableau.
- vi)** In case of tableaux on cultural, historical/traditional themes, the colours, designs, costumes, materials, etc. used should be authentic to present local flavour. The performers on the float or on ground should also look to be authentic in case any cultural or traditional even is being depicted.
- vii)** The sketch should clearly depict as to how the tractor pulling the tableau will be used as a part of the theme. Camouflaging the tractor should be in harmony with the main theme of the tableau. There should be a gap of about 6-7 feet between the tractor and the trailer and /or between two trailers for turning or manoeuvring. This should be taken into account while designing the tableau.

In case, a tableau is proposed to be integrated with a folk dance, it should be ensured that the selected dance is a genuine folk dance and the costumes and musical instruments are traditional and authentic. The tableau and the dance should also have thematic unity. The strength of the dance party, excluding those who are to perform on the tableau, should not exceed 25 persons. The video clippings of the dance may also be sent along with the proposals.

6. Dimensions

While preparing the sketches and subsequently, three dimensional models, the following approximate dimensions of the trailers and tractors, which will be supplied to them for the fabrication of the tableau, may be kept in view:

Trailer

Length	:	24' 8"
Width	:	8'
Height	:	4' 2"
Load carrying capacity	:	10 tons

The length, breadth and height of a single tableau should not exceed 45', 14' and 16' (from the ground level) respectively. If it is proposed to use any other vehicles under own arrangements, particulars thereof should be indicated in the proposal.

7. Facilities to be provided by the Ministry of Defence

During the meetings of the Expert Committee, the facilities such as a PC, LCD projector, DVD Player and an overhead projector would be made available by the Ministry of Defence. Should there be any other support requirements, the Ministry may be informed in advance.

**CONCEPT NOTE: REPUBLIC DAY TABLEAUX OF DEPARTMENT OF
SCIENCE & TECHNOLOGY 2021**

By Science We Serve

Background:

Department of Science & Technology (DST) has consistently served India's S & T centered development through four strategically important interventions. They are (1) Technology commercialization, (2) Societal contact through S & T, (3) strengthening S & T institutions and (4) policy interventions; to improve quality of life. These interventions recognize and build India's technical excellence to develop and deliver science and technology based goods and services for societal benefits and rapid economic development. The past few years in particular have seen significant outputs aligned to these interventions DST has entered its 50th year on 3.5.2020. The period from 3.5.2020 to 3.5.2021 is being commemorated as Golden Jubilee Year. DST and its Autonomous Institutions are organizing several activities and events during the period. In its Golden Jubilee Year, DST intends to depict a tableau focusing on following new schemes launched recently:-

National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS) and National Mission on Quantum Technologies and Applications (NM-QTA) are emerging areas of focus of the Government. Rapid rise of global Cyber-Physical systems is posing unprecedented challenges. This can however be turned into an opportunity by research, training and skilling in robotics, artificial intelligence, digital manufacturing, big data analysis, deep learning, quantum communication and Internet of Things. There is a need to develop and exploit these technologies in services and manufacturing sectors, agriculture, water, energy & traffic management, health environment, infrastructure and Geo-Information systems, security, financial systems and combating crime. These also envisage to give a fillip in terms of invention of new products, services and creation of skilled human resource at all levels i.e. from technicians to researchers & entrepreneurs, opening up new frontiers in computing, communications, cyber security with wide spread applications. It is expected that a lot of commercial applications would emerge from theoretical constructs which are developing in these areas.

The National Mission on Interdisciplinary Cyber Physical Systems (ICPS) was announced in the 2018 budget with an outlay of Rs. 3660 Crore over a period of 5 years. CPS technologies bring a paradigm shift in entire skill sets requirement. Job opportunities will be enhanced through the Mission by imparting advanced skills and generating skilled manpower as per requirement of industry/society. Innovation, Entrepreneurship and Start-up Ecosystem are integral to the NM-ICPS. Start-ups will also create a number of technology driven job opportunities.

Technologies like Robotics & Autonomous Systems, Augmented & Virtual Reality Technologies for Agriculture & Water, Mining, Advanced communication systems, Bio-CPS, data Science, Big Analytics Data Science, Big Data Analytics and Data curation etc., System Simulation, Modeling & Visualization, Cognitive Computing & Social Censing, Quantum Technologies, Positioning and Precision Technologies and Technologies for financial sector (Fintech) which are envisaged under the mission is depicted.

The National Mission on Quantum Technologies and Applications (NM-QTA) was announced in the 2020 budget with a view to opening up new frontiers in computing, communications, cyber security with wide spread applications at an outlay of Rs. 8000 crore over a period of five years. The Mission positions itself to leverage cutting edge quantum technology research for India's sustainable development in both public and private sectors. Focus will be to translate acquired knowledge of quantum science into technology development so as to address issues concerning national priorities. This thrust on technology development will build indigenous capability as well as generate highly skilled and trained manpower in the field.

The mission is expected to develop a quantum computer with around 50 qubits using at least one of the technological approaches pursued in a time-frame of 5 years. Quantum communication across hundreds of kilometers through satellites and fibers are also expected as an outcome of the mission. Pushing the sensitivities of detectors and measurement devices down to unprecedented levels and improving the accuracy of quantum clocks substantially are also objectives of the mission as depicted.

SVAMITVA Scheme using Drone Technology: Unmanned Air Vehicles or Drones have ushered a powerful technological platform or tool in high resolution topographical mapping domain. Advent of various types of drone platforms mounted with high resolution cameras or LIDAR payloads are replacing the established mapping technologies like Airborne Photography and LIDAR. Survey of India (SoI) has undertaken various Large Scale Mapping (LSM) projects for states and Central Government agencies in states of Maharashtra, Haryana, Karnataka, Madhya Pradesh etc. Revenue mapping of the Rural habited areas, Urban areas and other areas. Use of drones is having an important role in modernization of land record management systems. Under SVAMITVA Scheme, Ministry of Panchayati Raj (MoPR), aims to provide revenue mapping of village habited areas or 'Aabadi' areas of villages which were hitherto unmapped in the country. In coordination with MoPR, Survey of India, DST is using Professional Survey Grade drones across the country for mapping. The scheme objective is to map all 6.62 lakh villages across the country. A depiction of drone based activity is intended to be depicted.

ANNEXURE-IV

**DEPARTMENT OF SCIENCE AND
TECHNOLOGY
VIGYAN PRASAR**

**TECHNICAL BID FOR CONCEPTUALIZATION, DESIGNING, FABRICATION
AND DISPLAY OF TABLEAUX OF DST ON THEME “BY SCIENCE WE SERVE”
DURING REPUBLIC DAY PARADE 2021**

1. Name of Agency/Organization:
- 2 Name and designation of the authorized signatory and his contact details
3. Complete office address (with telephone/mobile & e-mail):
4. Experience in the area of conceptualization, designing, fabrication and display of Republic Day tableaux at National/State level, if any (detailing the years, organization and theme)- (Enclose relevant documents, work orders, work completion certificate in support of the claims).
5. Experience in fabrication and display of tableaux in other major events, if any (detailing the years, organization and theme) – Enclose relevant documents in support of the claims.
6. Photographs / CDs of earlier work:
7. Awards/ medals/ prizes Won (with details including copies of the certificates)
8. Certified copies of the Chartered Accountants indicating the turnover of the agency for the last five financial years.
9. Particulars of the PAN No (attach a photo copy)
10. Furnish details of EMD like DD No, Name of Issuing Bank, date/UTR etc.
11. The bidder also enclose a certificate stating that his firm has a good reputation and there is no complaint against it and have not been blacklisted from any Govt. Organisation.
12. Please attach the following documents:
 - 12.1 Concept proposal along with a sketch/ design of how you will treat and visually present the theme “By Science We Serve”
 - 12.2. A brief note on your understanding of the theme “By Science We Serve”. (For this purpose, you can see the annexure III.

Date:

Signature of Proprietor/MD/Authorised Signatory

**FINANCIAL BID
(TO BE SUBMITTED IN SEPARATE ENVELOPE SEALED AND
INITIALED TWICE ACROSS THE SEAL)**

Sl No.	Tender Notification	Cost (in Rupees) (Inclusive of all taxes/duties/levies etc. except GST)
1	Cost of Conceptualisation and preparing 2D sketch/ design and drawing etc (1 st stage work)	
2	Cost of preparation of 3D model (physical model and 3D walk through) (2 nd stage work) – based on approval of 1 st Stage work by MoD	
3	Fabrication, Erection of Tableau, display in the RD parade and such other related work including dismantling and handing over of the tractor trailer to MoD;	
4	LESS salvage charges	
5	TOTAL = 1+2+3 – 4 (Inclusive of all taxes /duties/levies etc. except GST)	

5 Total cost* (as per 5 above)

6 Name of the company

7 Name of the proprietor/ authorized signatory

Date:

Signature of Proprietor/MD/Authorized Signatory

***Note:** (i) Total cost(s) indicated at Sl.No.5 are inclusive of all taxes/duties/levies and such other charges by whatever name called except GST. (ii) Total cost mentioned at Sl.No.5 above will be taken into account for the purpose of calculating marks obtained in the Financial Bid in accordance with para 10.3.