

भारत सरकार
अंतरिक्ष विभाग (अं.वि.)



GOVERNMENT OF INDIA
DEPARTMENT OF SPACE (DOS)
PURCHASE & STORES

फोन नं Ph No. / Fax. / ईमेल e-mail:
INVITATION TO TENDER

निविदा आमंत्रण

M/s
मैसर्स

00000

Our Ref. No. HQDR 2023-002680-01

हमारी संदर्भ सं

Tender Due at 14:00 hrs IST on 17/04/2023
निविदा अंतिम तिथि

महोदय

Dear Sirs,

कृपया निम्नलिखित मदों की आपूर्ति के लिए अनुलग्नक (फार्म सं. संलग्न) में उल्लिखित निबंधन एवं शर्तों के अनुसार संलग्न निविदा प्रपत्र में वर्णनात्मक सूचीपत्र/पैम्फलेट/साहित्य सहित हमारी संदर्भ सं. एवं अंतिम तिथि (मोटे अक्षरों में) ऊपर लिखते हुए अपनी मुहरबंद निविदा प्रस्तुत करें।

Please submit your sealed quotation, in the Tender Form enclosed here along with the descriptive catalogues /pamphlets /literature, superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure (Form No. null)

क्र.सं. Sl. No.	विनिर्देशों सहित मद का विवरण Description of items with Specifications	इकाई Unit	मात्रा Quantity
1	Carrying out Socio-economic impact analysis of Indian Space programme as per the terms and conditions of RfP attached.	Unit	1

सुपुर्दगी स्थल

Delivery At

ISRO HQ

प्रेषण की विधि

Mode of Despatch

ON SITE

शुल्क छूट

Duty Exemptions

विशेष अनुदेश

Special Instructions NIL

विशेष निबंधन

Specific Terms

निविदाकारों को अनुदेश

Instructions to Tenderers

- (1) The Technical Bids shall be opened on 18.04.2023 11:00 Hrs at ISRO Headquarters, Antariksh Bhavan, new BEL Road, Bangalore -560094
- (2) Two-part Tender Instructions and RfP document towards Hiring of Consultancy Services for carrying out Socio-Economic impact analysis of Indian Space Programme is attached.
- (3) This is a two part tender, the technical bid and price bid shall be kept in a separate sealed envelopes super scribed
- (4) Part - I Technical bid for Hiring of Consultancy Services for carrying out Socio-Economic impact analysis of Indian Space Programme on the technical Bid Envelope/Cover
- (5) Part - II Price bid for Hiring of Consultancy Services for carrying out Socio-Economic impact analysis of Indian Space Programme on the Price Bid Envelope/Cover
- (6) Both the separate sealed covers of Techno-commercial bid and Price bid shall be placed in a bigger sealed envelope superscribed as
- (7) Tender for Hiring of Consutnancy Services for carrying out Socio-Economic impact analysis of Indian Space Programme, Part-I and Part-II bids individually sealed
- (8) Interested Service Providers who are complying with the eligibility criteria mentioned in this RfP may download the Tender documents from our website www.isro.gov.in and submit offers before the tender due date and time.
- (9) Tenders completed in all respect shall be submitted to the Sr Purchase & Stores Officer, ISRO Headquarters, Antariksh Bhavan, new BEL Road, Bangalore -560094 on or before due date and time.

A.ಎಸ್. ಬಸವಣ್ಣ / सी. एस. बसवण्णा / C.S. Basavanna
ಹಿರಿಯ ಖರೀದಿ ಮತ್ತು ಉದ್ಯೋಗ ಅಧಿಕಾರಿ / वीरछ कय एवं भण्डार अधिकारी
Sr. Purchase & Stores Officer

ಖರೀದಿ ವಿಭಾಗ / क्रय विभाग / Purchase Section
ಇಸ್ರೋ ಪ್ರಧಾನ ಕಛೇರಿ/ इसरो मुख्यालय / ISRO Headquarters
ಅಂತರಿಕ್ಷ ಭವನ ನ್ಯೂ ಬೆಲ್ ರೋಡ್/ अंतरिक्ष भवन, न्यू बेल रोड
Antariksh Bhavan, New BEL Road
Bangalore - 560094



Request for Proposal (RfP)
from
Consultancy Organizations
On

Socio-economic Impact of Indian Space Programme

March, 2023

1.	Last date for submission of RfP	April 17, 2023 at 14:00 Hours IST
2.	Opening date of RfP	April 18, 2023 at 11:00 Hours IST
3.	Focal Point	Sr. Purchase and Stores Officer ISRO Headquarters, Antariksh Bhavan, New BEL Road, Bengaluru – 560094 Ph: 080-22172248/2142 E-mail: spsro_isrohq@isro.gov.in

INDEX

1.	Introduction	3
2.	Objective	4
3.	Scope of Work	4
4.	Deliverables/ Outcome of the Study	6
5.	Eligibility Criteria and Evaluation Criteria	7
6.	Selection Criteria	11
7.	Pre-Bid Meeting & Clarifications	11
8.	Schedule and Payment Terms	11
9.	Submission of Proposals	12
10.	Other Commercial Terms and Conditions	14
11.	Technical And Price Bid Formats	21

1.0 INTRODUCTION

India decided to go to space when Indian National Committee for Space Research (INCOSPAR) was set up by the Government of India in 1962. Indian Space Research Organization (ISRO), formed in 1969, superseded the erstwhile INCOSPAR. Vision of the Indian space programme is harness, sustain and augment space technology for national development, while pursuing space science research and planetary exploration. ISRO is one of the largest space agencies in the world and it maintains a large fleet of communication, (INSAT)/Geostationary Satellites (GSAT) remote sensing, navigation and scientific satellites. It provides multiple application-specific products and tools for broadcasting, communication, disaster management, weather forecasting, GIS, cartography, navigation, telemedicine, and many other functions. Till Jan 2023, ISRO has accomplished 208 missions, which includes 121 spacecraft missions, 87 launch missions and has carried 385 foreign satellites.

Apart from technological capability, ISRO has also contributed to science and science education in the country. Various dedicated research centres and autonomous institutions for remote sensing, astronomy and astrophysics, atmospheric sciences and space sciences in general function under the aegis of Department of Space (DOS). ISRO's own Lunar and interplanetary missions along with other scientific projects encourage and promote science education, apart from providing valuable data to the scientific community which in turn enriches science. ISRO's value chain contributed to Indian society and economy in the form of new technology, spin-offs, valuable innovations, economic growth, jobs creation, MSMEs capability development and contributions to space science knowledge.

Space being a technological rich and complex sector, which yields both direct and indirect outcomes, it is essential to evaluate the socio-economic impact of the programme for expanding its horizon & framing long-term visions, strategies, resource allocation etc.

In this context, an invitation for Request for Proposal (RfP) is hereby floated to identify suitable Consultancy Organizations to carry out the detailed study and evaluate the Socio-economic Impact of Indian Space Programme and future area of focus.

2.0 OBJECTIVES

The main objective of this RfP is to engage a suitable consultancy organization (thereafter called 'Consultant Agency') to study and evaluate the Socio-economic Impact of Indian Space Programme including the tangible contribution of Indian space programme to different stakeholders i.e. society, industry, academia, economy, environment, disaster management etc. and to suggest measures for further improvement and next generation value creation for nation & its citizens. The outcome of this exercise shall quantify the contributions to various government endeavours through measurable metrics such as total gross value added to each identified sector & the economy, employment generated in each sector, employment multiplier, return multiplier on institutional spending, etc. with respect to the budget allocated to space programme.

The detailed scope of work and specific deliverables are mentioned in the sections below.

3.0 SCOPE OF WORK

The Consultant Agency is required to study the existing value chain of DOS/ISRO's units including different sectoral use of ISRO data and products targeting intermediate, public & private end users and industries. Scope not limited to ISRO's value chain and it also covers wider spectrum including Policy & Governance, Society, Government organisations, Schemes Implementations, Risk mitigation support (External, Internal and Natural, Anthropogenic) and others citizen centric services spread across primary, secondary and tertiary sectors of Indian economy and other benefitted key stakeholders.

3.1 Major areas/ sectors for socio-impact analysis are given below:

1. ISRO Earth Observation (EO) Satellite data for the following sectors viz.,
 - a. Agriculture
 - b. Infrastructure & Development
 - c. Healthcare
 - d. Education
 - e. Geology & Mining
 - f. Water Resources
 - g. Disaster Management

- h. Weather Monitoring
 - i. Rural & Panchayat Development
 - j. Bio-resources and Environment
 - k. State & UT Development
 - l. National Security and
 - m. Any other areas
2. Communication services from ISRO's Satellites
 3. Navigation services from ISRO's NavIC Satellites
 4. Space Transportation systems
 5. Human Spaceflight Programme
 6. Space science missions
 7. Business and employment creation through realization of space systems required for launch vehicles, satellites & ground systems and related to space applications.
 8. Estimated number of industries/ MSMEs/ start-ups in the Indian space ecosystem (sector-wise)
 9. Education, scientific knowledge & prestige including accomplishment of International missions.
 10. Capacity Building and Skill development.
 11. Technology Transfer and Spin-Offs.
 12. Outreach Activities.

3.2 The Socioeconomic Impact Study shall include the following:

3.2.1 Monetary/Economic Impact Analysis

Monetary impacts can be split into two segments -

a) Transactional Economic Impact (on GDP)

The transactional economic impact – or GDP impact – is the first impact to fully materialize after the initial investment in Space Activities. It comprises of the impact of space manufacturing activities on the local industrial sectors. It comprises of four major categories - direct, indirect, induced impacts and an employment impact. A reliable economic model to be employed to analyse the GDP impact of Space Activities on the economy.

b) Catalytic Economic Impacts of Space activities

When an investment is made in space activities, catalytic impacts materialize after transactional/GDP impacts.

Catalytic impact can be further split in two main categories:

- Utilization of infrastructure funded by the initial investment under scrutiny
This includes the net enabled revenues by the use of a given infrastructure, which mostly materialize in the downstream industry.
- The effects of spin-offs/spillovers

Spin-off effects/spillover effects, aim at assessing the expertise and knowledge developed by an organization related to the initial investment. The knowledge and expertise developed and re-used to develop new products, new services, improvements in quality or efficiency, cost reduction, etc. are classified as spin-off effect and are quantified in terms of enabled revenues and cost reduction.

3.2.2 Social Impact Analysis

The non-monetary impacts include both Quantitative and Qualitative impacts.

- Quantitative impacts include all the metrics that cannot be converted into economic value (such as the number of patents or publications etc.).
- Qualitative impacts include all the non-quantifiable information (such as social and environmental impacts, education & science or the prestige and strategic impacts etc.).

4.0 DELIVERABLES/ OUTCOME OF THE STUDY

A detailed report for the following shall be furnished:

1. Total Gross Value Added to each identified sector & the economy.
2. Type I GDP Multiplier- (Direct + Indirect Impact) / Direct Impact.
3. Type II GDP Multiplier- (Direct + Indirect Impact + Induced Impact) / Direct Impact.
4. Total Employment generated in each sector & the economy.
5. Return Multiplier on Institutional Spending.
6. Societal Qualitative & Quantitative Impacts- patents/R&D improvements, Improvements in the quality of life, etc.

7. Any other indicators of socio-economic benefit.

5.0 ELIGIBILITY CRITERIA AND EVALUATION CRITERIA

5.1. Eligibility Criteria:

- a) The Bidder should be a company registered under Indian Companies Act 1956 or a firm registered under Limited Liability Partnership (registered under LLP Act, 2008). The Institution/ Consultancy Consultant Agency should have been in existence for a minimum of Five (5) years in India.
- b) The bidder should not have been blacklisted by any Central/State Government institution. A signed declaration to this effect must be submitted along with the techno-commercial bids.

5.2. Evaluation Process

- a) ISRO will constitute a Consultancy Evaluation Committee (CEC) to evaluate the responses of the bidders.
- b) The CEC constituted by ISRO shall evaluate the responses to the RfP and all supporting documents & documentary evidence. Inability to submit requisite supporting documents or documentary evidence, may lead to rejection of the RfP proposal.
- c) Each of the responses shall be evaluated to validate compliance of the bidders according to the eligibility criteria, technical evaluation Forms and the supporting documents specified in this document.
- d) The decision of the CEC in the evaluation of responses to the RfP shall be final. No correspondence will be entertained outside the evaluation process of the Committee.
- e) The CEC may ask for presentation / meetings with the bidders to evaluate its suitability for the Project.
- f) The CEC reserves the right to reject any or all proposals.

5.3. Selection methodology

5.3.1. Selection of Bidders will be on the basis of **Quality cum Cost based Selection (QCBS) system:**

- a) All valid Proposals received in response to this RfP will be evaluated for minimum eligibility criteria.

5.3.2. Proposals of the eligible Bidders during the process of evaluation will finally be ranked according to their combined score of the Technical Score (TS) and Financial Score (FS).

5.3.3. The Technical proposal will be evaluated on the basis of bidder's experience, its understanding of scope of services, proposed methodology and work plan, and the Team composition. Only those bids whose technical score as per the technical evaluation criteria mentioned in Evaluation Matrix of this RfP is 70 or more out of 100 shall be declared as qualified for evaluation of their financial proposals. Bids securing less than 70 marks shall be rejected. Price bids of the bidders whose techno-commercial bids are qualified as mentioned above only will be opened.

5.3.4. The bidder with highest Technical Score will be assigned a Technical Marks (TM) of 100 marks. The Technical Scores (TS) of other bidders will be computed as follows:

$$TS = 100 \times T/TM$$

(T= Technical marks of the particular bid scored as per technical evaluation criteria)

5.3.5. After technical evaluation, financial proposals of the successful bidders will be opened and evaluated. The lowest Financial bid will be assigned a Financial Marks (FM) of 100 points. The Financial Scores (FS) of other financial proposals will be determined using the following formula:

$$FS = 100 \times FM/F$$

(F= Price (in INR) of a particular bid)

5.3.6. For determining the final rank of a bid, the weightage assigned to the technical and financial proposals are as follows:

$$Tw = 0.60, \text{ and } Fw = 0.40$$

and the combined Total score will be arrived at using the following formula:

$$\text{Combined total score (S)} = (TS \times Tw) + (FS \times Fw)$$

5.4. Only fixed price financial bids indicating total price for all the deliverables and services specified in this bid document will be considered.

5.5. The bid price will include all taxes and levies and shall be in Indian Rupees.

5.6. Any conditional bid would be rejected.

5.7. The bidder obtaining highest Combined Total Score shall be declared as successful.

5.8. In the event the composite total score is "Tied", the bidder securing the highest technical score will be adjudged as the successful Bidder for award of the Project.

5.9. Technical Evaluation Matrix:

Sl. No.	Criteria	Weightage	
	Sub-criteria	Criteria Total (marks)	Sub-Criteria (% of marks)
1	Past experience of the consultant (track record)	60	
a	Number of years' experience in carrying out consultancy services in space sector <ul style="list-style-type: none"> 5 or more years: 40% 3 to 4 years: 30% 1 to 2 years: 20% 		40%
b	Past experience of studies of similar nature (socio-economic) in space sector globally <ul style="list-style-type: none"> 5 or more projects: 50% 3 to 4 projects: 30% 1 to 2 projects: 20% 		50%
c	Past experience in carrying out Studies carried out in India related to space sector		10%
2	General profile of qualification, experience and number of key staff	25	
a	Qualifications (Minimum 8 personnel) <ul style="list-style-type: none"> Post Graduate in Economics (Minimum 03 personnel): 10% Post Graduate in Management (Minimum 02 personnel): 10% Graduate in Engineering (Minimum 02 personnel) : 10% 		30%
b	Relevant (space/ socio-economic) experience <ul style="list-style-type: none"> Team Lead <ul style="list-style-type: none"> ✓ 15 years or more: 30% ✓ 10 to 14 years: 15% ✓ 05 to 09 years: 5% Team Members (Minimum 8 personnel) 		70%

	✓ 10 years or more: 40% ✓ 05 to 09 years: 20% ✓ 03 to 04 years:10%		
3	Overall financial strength of the consultant in terms of turnover, profitability and cash flow (liquid assets) situation	15	
a	• Turnover figure for last three years ending March 2022 <ul style="list-style-type: none"> Rs 75.00 Cr and above – 100% Rs 50.00 to 74.99 Cr – 85% Rs 25.00 to 49.99 Cr – 67% 		100%
	Total	100%	

Supporting documents substantiating the above criteria should invariably be submitted by the consultant for evaluation. In case of qualification and experience of the Team Leads / Team Members, declaration by the agencies shall be submitted.

5.10 Composition of the team

- a. The composition of the team should be adequate to ensure that prerequisite skills are available to provide all the outputs required from the assignment within the timeframe prescribed. CVs shall be furnished in respect all the experts and team of consultants proposed for the project.
- b. The Project Lead and the team shall have adequate knowledge in the space infrastructure, ground systems, satellite-based applications, management and business aspects related to space sector.
- c. The key personnel are required to be available for the entire period of the assignment. However, in case of replacement of expert(s), the Consultant Agency will make the replacement with an expert of equivalent or higher qualifications and experience. To facilitate knowledge transfer, the Consultant Agency will ensure that there is at least a 14 days overlap between the existing expert and the replacement expert. The decision of ISRO shall be final and binding in the matter of replacement of experts or placement of additional experts, irrespective of the fact that an expert may be replaced by a person with higher qualifications and / or experience. The consultant/service provider should bear all costs arising out of or incidental to the replacement without increase in the contract value. No request for extension of schedule shall be admitted on the ground of replacement of the personnel involved in the project.

- d. Key Personnel proposed should have good command over written and oral English.

6.0 SELECTION CRITERIA

Following are the minimum qualification criteria for shortlisting the bidder based on the Technical Bid:

1. Total: Minimum 70 marks out of 100 and
 2. Minimum qualification requirement for each criterion, and
 - Criteria 1: 45 marks out of 60
 - Criteria 2: 15 marks out of 25
 - Criteria 3: 10 marks out of 15
- DOS/ISRO will take up references and reserves the right to pay due heed to the Bidder's performance elsewhere and any past experience.

7.0 PRE-BID CLARIFICATIONS

- a. The queries, if any should necessarily be submitted in the format.

Sl No	Page Number	Tender Document Reference Number	Content of Tender Doc. For clarification	Points of clarification
1.				
2.				

- b. ISRO shall not be responsible for ensuring that the bidders' queries have been received by them. Any requests for clarifications post due date, will not be entertained by the ISRO.
- c. The Officer notified by ISRO will provide timely response to all queries.
- d. Depending upon the queries received, if any, from the Bidders, ISRO may either provide clarifications or release corrigendum or hold a pre-bid meeting with prospective bidders on the date, time & venue will be intimated accordingly.
- e. At any time prior to the last date for receipt of bids, ISRO may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the RFP Document by a corrigendum/addendum.
- f. The Corrigendum/addendum (if any) & clarifications to the queries from all bidders will be posted on the ISRO website.

8.0 SCHEDULE AND PAYMENT TERMS

- a) A draft report needs to be submitted within 6 months of the date of signing of agreement. The major findings of the draft report should be shared with the DOS/ISRO. Feedback from the department should be taken into account by the Consultant Agency in the final report in a substantive manner and for the record. The Department will be required to provide written response within 15 days of receipt of draft report.
- b) The Consultant Agency will submit the final report within 2 months from the date of receipt of comments from DOS/ ISRO on the draft report. Four hard copies along with soft copy of the Final Review Report shall be submitted to DOS/ISRO within a period of 8 months from the date of signing of agreement.
- c) The Consultant Agency shall make detailed presentation(s) to the Consultancy Monitoring Committee at regular intervals.
- d) The Consultant Agency shall also carry out stakeholder consultation as deemed necessary.
- e) 100% payment within 30 days shall be made after submission, review and acceptance of the final deliverables by ISRO. The Consultancy Monitoring Committee (CMC) constituted for this purpose shall certify the payment based on the acceptance of the final reports.

9.0 SUBMISSION OF PROPOSALS

- a) The proposals shall be submitted in TWO Part system. The Techno-commercial bids shall contain the response from the Consultancy agency detailing the solution and the proposed methodology to address the requirements mentioned in the Deliverables/ Outcome of the Study. This part shall also contain the detailed commercial terms and conditions. Bidder should confirm compliance of the standard commercial terms and conditions contained in this RfP. The price details shall not be disclosed in the Technical Bid. If any of the pricing details are disclosed in the Techno-commercial Bid, such bids shall be disqualified.
- b) The Price bids shall be provided as per the format.

Quotations against this tender shall be submitted as indicated below:

Part-I : (a) Technical & (b) Commercial

Part-II: Price

Please go through the following instructions as to how you have to prepare your offer and sent to us to become a valid tender.

9.1 Part-I:

(a) Technical & (b) Commercial part:

Technical:

The specifications sought by us in response to our tender are required to be incorporated in this tender by you. If there is a compliance statement called for, you have to provide the compliance statement duly confirming all the parameters. All the points are to be properly responded instead of simply mentioning "compliant" or otherwise. The corresponding documents wherever applicable are required to be enclosed. No price details shall be indicated in the technical & commercial bid, if indicated, such offer is liable for rejection.

Commercial:

The Commercial terms applicable for this tender shall come in this section. The applicable taxes (in percentage only) shall also be indicated in this part.

9.2 Part-II:

Price Part:

The prices applicable for the scope of work and for the commercial terms indicated by you in Part-I, shall come into this part.

The price details shall be indicated in the price bid template. The Price shall be quoted in INR.

The tender prepared as above shall be submitted before the due date and time. The offers received after the due date and due time shall be treated as invalid and will not be considered.

9.3 Period of validity of proposals:

Proposals shall remain valid for one hundred and twenty (120) days from the date of opening of the techno-commercial bids as mentioned herein. A Proposal valid for a shorter period may be rejected by ISRO on the grounds that it is non-responsive.

In exceptional circumstances, ISRO 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. A bidder consenting to such request will not be required nor permitted to modify its Proposal.

10.0 OTHER COMMERCIAL TERMS AND CONDITIONS

10.1 In case a bidder is an MSME, registered under NSIC and would like to avail exemptions, offer should be accompanied with necessary registration certificate with declaration to consider their offer. Quotation received without such declaration and valid registration certificate will not be considered for exemptions under the Public Procurement Policy.

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

10.3 Make in India Compliances:

Please refer OM No. P-45021/2/2017-PP (BE-II) dated 16.09.2020 and all amendments, issued by Govt. of India w.r.t to Make in India policy, and indicate percentage of local content along with detailed break up of local content without mentioning any price details and provide self-certification that the item offered meet the local content requirement for Class-I Local Supplier/Class-II Local Supplier and provide details of the location(s) at which the local value addition is made. Please note that if the declaration is found false, your offer will be rejected without assigning any reason thereof Only Class-I and Class-II local supplier are eligible to participate in this tender.

10.4 Border Sharing Compliances:

Please refer following OMs/orders issued by Govt. of India w.r.t. Border Sharing compliances:

- (i) F. No. 6/18/2019-PPD (Public Procurement No. 1) dt: 23.07.2020, (ii) F. No. 6/18/2019-PPD (Public Procurement No. 2) dt: 23.07.2020 (iii) F. No. 6/18/2019-PPD (Public Procurement No. 3) dt: 24.07.2020 and all amendments.

- (ii) All the provisions mentioned in the above OMs/orders/amendments shall be complied. Please provide certificate w.r.t. border sharing compliances as per above OMs/orders. Please note that if the declaration is found false, your offer will be rejected.

10.5 As this is a two-part tender, bidders should submit documents containing price details in PRICE BID only. If documents with price details/price details are submitted with techno-commercial part, such tenders will be treated as invalid and rejected.

10.6 Security Deposit:

The successful Consultant Agency shall execute security deposit for 3% of the value of the contracts towards satisfactory execution of the contract. The Security Deposit shall be executed through Demand Draft / Bankers Cheque / Fixed Deposit Receipts or Bank Guarantee issued by a Nationalised Bank/Scheduled Bank valid till sixty days beyond the contract completion date. The Bank Guarantee shall be executed on a non-judicial paper stamp paper of appropriate value as per our specimen. In case the successful Consultant Agency fails to furnish the security deposit within 20 days after the receipt of contract or on signing of the contract or any extension thereof the contract shall be cancelled or terminated. In the event of non-execution of the Contract or breach of any terms and conditions of the Contract, the security deposit shall be forfeited.

10.7 Liquidated damages:

If the Consultant Agency fails to execute the contract in accordance with the full scope defined therein within the time specified therein or any extension thereof, ISRO shall recover from the Consultant Agency as liquidated damages a sum of one-half of one percent (0.5%) of the contract value for each calendar week of delay. The total liquidated damages shall not exceed ten percent (10%) of the contract value. The contract will be deemed to have been executed only when all the phases are completed. If part of the scope of work is not completed in time, the contract will be considered as delayed until such time as the complete scope of work is completed.

10.8 Secrecy

Any information obtained in the course of execution of the purchase order/contract by the contractor/ supplier, his agents or consultants or advisor or employees engaged by the contractor supplier, etc., as to any matter whatsoever, which would directly or indirectly be of use to any enemy of India, should be treated as secret and shall not, at any time, communicated to any person.

Any breach of the aforesaid conditions shall entitle the ISRO to cancel the purchase order/ contract and if necessary to go ahead with the purchase or authorize the purchase of the stores at the risk and cost of the contractor/ supplier, in addition to any other penal action it may take at its discretion, the contractor /, his agents or consultants or advisors or employees, etc., shall not use. The stores items or the name of ISRO for any publicity purpose through any public media like press, radio, TV or internet without prior written permission from ISRO.

Drawings, specifications, prototypes, samples and such other information furnished to the contractor/ supplier relating to the supply/ subsystem/ equipment etc., shall be held by the contractor / supplier in confidence and shall not be divulged to any third party without the prior written consent of the ISRO.

The Secrecy and Non-Disclosure Agreement is to be executed by the Service provider while accepting the Contract.

10.9 Force Majeure:

"Neither party shall bear responsibility for the complete or partial non-performance of any of his obligations if the non-performance results from such force majeure circumstances such as, but not restricted to, flood, fire, earthquake, civil commotion, sabotage, explosion, epidemic, quarantine restriction, strike, lock-out, freight embargo, acts of the Government either in its sovereign or Contractual capacity, hostility, acts of public enemy and other acts of god as well as war or revolution, military operation, blockade, acts or actions of State authorities or any other circumstance beyond the control of the parties that have arisen after the conclusion of the present Purchase Order/Contract".

In such Circumstances, the time stipulated for the performance of an obligation under the contract may be proportionately extended.

The party for whom it become impossible to meet the obligation under this contract due to force majeure condition, will notify the other party in writing not later than twenty-one days from the date of commencement of the unforeseeable event. Unless otherwise directed by the centre/ unit in writing, the contractor/ supplier shall continue to perform his obligations under the purchase order/ contract as far as is practical and shall seek all reasonable alternative means for performance not prevented by the force majeure event. Any certificate issued by the chamber of commerce or any other competent authority or organization of the respective country shall be sufficient proof of commencement and cessation of the above circumstances.

The force majeure conditions are applicable only to the prime contractor and purchaser.

10.10 Parallel Contracts

ISRO reserves the right to enter into parallel contracts(s) with one or more contractors for similar services.

10.11 Short closing and Termination

Under the normal circumstances, Termination/Short closing of the Contract is not foreseen. However, in case of continued non-performance of the contract, ISRO reserves the right to terminate the contract wholly or partly by giving written notice of not less than 30 days. ISRO reserves the right to terminate the contract at any time by giving 30 days' prior notice without assigning any reasons after minimum contract duration of one year.

10.12 Subletting of contract:

The contract shall not be sublet, transferred or assigned to any other firm without the prior written approval of ISRO.

10.13 Limitation of Liability:

The remedies stated in the Contract are exclusive and in no event shall the Contractor be liable for any other special, incidental, consequential or punitive damages of any nature. Notwithstanding any other provision of the contract,

the Contractors total liability to the Purchaser, whether in Contract shall not exceed the total amount paid to the Contractor under the Contract.

The Purchaser shall be under no obligations to accept the lowest or any tender and reserve the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the Tenderer[s] shall supply the same at the rates quoted.

The Purchaser shall not be liable to the Contractor for any loss or damages suffered by it during the term of the Contract or subsequently, and in no event shall the Contractor be liable for any, special incidental, consequential or punitive damages of any nature. Notwithstanding any other provision of the Contract, the Contract having been satisfactorily completed, the Purchaser's total liability to the Contractor shall not exceed the total amount to be paid to the Contractor under the Contract.

10.14 Arbitration:

In the event of any dispute/s difference/s or claim/s arising out of or relating to the interpretation and application of the contract, such dispute/s or difference or claim/s shall be settled amicably by mutual consultations of the good offices of the respective parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such dispute/s, then the unresolved dispute/s or difference/s or claim/s shall be referred to the sole arbitrator appointed by the parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as amended from time to time. The arbitration shall be conducted in Bengaluru in the Arbitration and Conciliation Centre-Bengaluru (Domestic and International) as per its rules and regulations. The expenses for the arbitration shall be shared equally or as may be determined by the arbitrator. The considered and written decision of the arbitrator shall be final and binding between the parties. The applicable language for Arbitration shall be "English" only.

Work under the contract shall be continued by the contractor during the pendency of arbitration proceedings, without prejudice to a final adjustment in

accordance with the decision of the arbitrator unless otherwise directed in writing by the ISRO or unless the matter is such that works cannot be possibly continued until the decision (whether final or interim) of the Arbitrator is obtained.

10.15 Jurisdiction:

The Courts of **Bangalore** only shall have the jurisdiction to deal with the award and decide and matter relating to the disputes arising out of the contract.

10.16 Recovery of Sum Due:

Whenever any claim for the payment of, whether liquidated or not, money arising out of or under the Contract against the Contractor, the Purchaser shall be entitled to recover such sum by appropriating in part or whole, the security deposited by the Contractor, if a security is taken against the Contract. In the event of the security being insufficient or if no security has been taken from the Contractor, then the balance or the total sum recoverable as the case may be, shall be deducted from any sum then due or which at any time thereafter may become due to the Contractor under this or any other Contract with the 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 or not, against the Contractor under any other Contract with the Purchaser, the payment of all moneys payable under the Contract to the Contractor including the security deposit shall be withheld till such claims of the Purchaser are finally adjudicated upon and paid by the Contractor.

10.17 Risk Purchase:

Where timely delivery of goods/services is of prime importance and where the vendor fails to fulfil their contractual obligations, the Purchaser shall have an option to complete the contract/procurement at the risk and expense of the contractor. Wherever the risk purchase clause is invoked by the Purchaser, the contractor will be liable to pay the additional amount, if any, incurred by

the Purchaser as against the value of the Purchase Order/Contract. Prior to resorting to risk purchase the Purchaser shall consider impact of the default by the contractor, opportunities given to the contractor as available in the PO/Contract, proper notice to the contractor to invoke risk purchase clause and method of recovering the additional amount spent by the Purchaser.

10.18 Security Interest:

On each deliverable to be delivered under the Contract, including an item of work in progress in respect of which payments have been made in accordance with the terms of the Contract, Purchaser shall have a security interest in such items which shall be deemed to be released only at the time when the applicable deliverable item is finally accepted and delivered to the Purchaser in accordance with the terms of the Contract. Such security interest of the Purchaser shall constitute a prior charge as against any other charge or interest created in respect of such items by any entity.

10.19 Language:

The Proposal should be filled by the bidders in English language only. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the Bidders. For purposes of interpretation of the documents, the English translation shall govern. All correspondence and documents relating to the Proposal exchanged by the Agency and ISRO shall also be written in the English language.

Consultant Agency is expected to deliver independent, original and unbiased analysis of the business opportunities that could be a decision-making input for ISRO in its endeavour. **Reports / Documents submitted to ISRO shall be confidential and proprietary to ISRO. Agency shall not disclose any information in part or full to any third party, Agency or individual without written concurrence for the same by ISRO.**

11. FORMAT FOR SUBMISSION OF TECHNICAL AND PRICE BIDS:

11.1. Technical Bids

Form – 1

Summary (As per Technical Evaluation Matrix)

SI No	Description	Reply / Compliance
1.	Number of years' experience in carrying out consultancy services in space sector	
2.	Past experience of studies of similar nature (socio-economic) in space sector globally	
3.	Past experience in carrying out Studies carried out in India related to space sector	
4.	Number of personnel proposed to be deployed for the project	
5.	Team Lead Academic Qualification and Experience	
6.	Team Members – Academic Qualification and Experience	
7.	Turnover of the agency during the last 3 financial years	

Form-2 (Particulars of the Agency)

SI No	Description	Details
1.	State whether applying as Sole Firm/Company or Limited Liability Partnership / Consortium	
2.	<p>State the following:</p> <p>Name of Company or Firm:</p> <p>Legal status (e.g. incorporated private company, unincorporated business, partnership etc.):</p> <p>Country of incorporation:</p> <p>Registered address:</p> <p>Year of Incorporation:</p> <p>Year of commencement of business:</p> <p>Principal place of business:</p> <p>Brief description of the Company including details of its main lines of business</p> <p>Name, designation, address and phone numbers of Authorised Signatory of the Applicant:</p> <p>Name:</p> <p>Designation:</p> <p>Company:</p> <p>Address:</p> <p>Phone No.:</p> <p>Fax No. :</p> <p>E-mail address:</p>	
3.	<p>If the Applicant is Lead Member of the consortium, state the following for each of the other Members of the consortium:</p> <p>(i) Name of Firm:</p> <p>(ii) Legal Status and country of incorporation</p> <p>(iii) Registered address and principal place of business.</p>	
4.	<p>Number of years' experience in carrying out relevant consultancy services in space sector. (Documentary evidence to be enclosed)</p>	

Form-3 (Relevant Project Experience)

Project Experience Summary

Sl No	Name of the Project	Client Name	Duration of the project (in months)	Value (in INR)
1				
2				
3				

NOTE:

- i. Projects of similar nature carried out in India may be highlighted separately as needed in the Evaluation Matrix.
- ii. Additional rows can be added, if required

Project Profile Template

For each of the projects cited above, provide a brief project profile using the format given below. The profile for each project must be provided in less than one page.

SI No.	Item	Details
1.	Project Title	
2.	Name of the Client	
3.	Name of the contact person from the client organization who can act as a reference with contact details. <ul style="list-style-type: none"> • Name • Designation • Address • Phone Number • Mobile Number • Email ID 	
4.	Duration (Start Date and End Date)	
5.	Current Status	
6.	Number of personnel deployed (Peak team size)	
7.	Value of the engagement	
8.	Narrative description of project: (Highlight the components/ services involved in the project that are of similar nature to the project for which this RFP is floated.)	
9.	Description of actual services provided by the responding firm within the project and their relevance to the envisaged components/ services involved in the project for which this RFP is floated.	
10.	Description of the key areas where significant contributions are made for the success of the project.	

Form – 4

Summary of the Project Team

Sl No	Designation	Name	Educational Qualification	Area of Expertise	Length of Professional Experience in Space/ Socio-economic sector	Duration of employment with the current Firm

Form – 5

Curriculum Vitae (CV) of Team Leader and Team Members

1.	Name	
2.	Date of Birth	
3.	Nationality	
4.	Education Qualification and Institution from which obtained	
5.	Current Designation in the Firm	
6.	Employment Record (Starting with the latest engagement)	

Sl no	Employer	Position Held	Name of the Project / Assignment Along with Client details	Major contributions / summary

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience.

Signature of the Team Lead / Member

NOTE:

The CV shall be restricted to one page per person.

Form – 6:

Proposed Methodology and Work Plan

The proposed methodology and work plan shall be described as follows:

1. Understanding of Assignment / Project (not more than two pages)

The Agency shall clearly state its understanding of the Assignment / Project and also highlight its important aspects. The Agency may supplement various requirements of the assignment/project and also make precise suggestions if it considers this would bring more clarity and assist in achieving the Objectives laid down in the assignment/project.

2. Methodology and Work Plan (not more than three pages)

The Agency will submit its methodology for carrying out this assignment, outlining its approach toward achieving the objectives of the assignment. The Agency will submit a brief write up on its proposed team and organisation of personnel explaining how different areas of expertise needed for this assignment have been fully covered by its proposal. The Agency should specify the sequence and milestones of important activities, and provide a quality assurance plan for carrying out the Consultancy Services.

11.2 Price Bids

1	Lump-sum professional fee for carrying out the assignment and related tasks as given in the scope of work (in INR)	
2	Applicable Taxes	
3	Total Cost	

- a) For the price bid evaluation, the Total cost inclusive of taxes will be considered. This fee shall cover all the costs/expenses of the consulting agency for undertaking the work as detailed in the Deliverables/ Outcome of the Study.
- b) The break-up, if available for the above quotation shall be submitted.
- c) The price bid shall be submitted separately and shall not be disclosed as a part of Technical Bid. Quotations wherein the price bids are disclosed along with technical bids shall be considered INVALID.

Point by Point compliance report for all the above clauses shall be submitted along with the offer.

I. SUBMISSION OF BIDS

1 Submission of Techno-commercial Bid

- a) Tenderer shall submit Techno-commercial bid as specified in RfP duly conforming all the parameters mentioned therein.
- b) All the points are to be properly responded instead of simply mentioning "compliant" or otherwise.
- c) In order to consider the eligibility of the tenderer, all the conditions mentioned in the RfP shall be considered. Techno-Commercial Bid without any supporting documents for the details provided therein shall not be considered. No correspondence in this regard shall be entertained.

2. Submission of Price Bid:

- a) The price Bid duly filled and attested by the authorized signatory shall be submitted as per the price bid format of the RfP to this Tender Notice.
- b) The price offered for individual job shall be as per the specifications indicated by you in Techno-commercial bid. The Rate mentioned in the quotation should be inclusive of all charges, incidental charges, transportation charges, miscellaneous charges etc **except** taxes which shall be shown separately.
- c) Rates once quoted should be final and valid during the Contract period. Price should be quoted in Indian Rupees only. It may be noted that no escalation of the contracted rate shall be admissible on any reason whatsoever during the currency of the Contract.
- d) Prices should be quoted on F.O.R. ISRO HQ/DOS basis.
- e) Price must be shown in figures and words. In case of difference in amounts mentioned in words and figures, the amount mentioned in words shall prevail over the amount mentioned in figures.
- f) ISRO HQ/DOS reserves the right to reject any unreasonable offer without assigning any reasons.

3. This is a two-part tender, the technical bid and price bid shall be kept in a separate sealed envelopes super scribed

- i. Part – I - "Technical bid for Hiring of Consultancy Services for carrying out Socio-Economic impact analysis of Indian Space Programme". – on the technical Bid Document
- ii. Part – II - "Price bid for Hiring of Consultancy Services for carrying out Socio-Economic impact analysis of Indian Space Programme". – on the Price Bid Document

Both the separate sealed covers of Techno-commercial bid and Price bid shall be placed in a bigger sealed envelope super scribed as

**“Tender for Hiring of Consultancy Services for carrying out Socio-Economic impact analysis of Indian Space Programme,
Part-I and Part-II bids individually sealed”**

4. Instructions to Tenderer:

- a) Quotations received after the due date & time shall not be entertained under any circumstances.
- b) The documents attached with the quotation are sacrosanct for considering any offer as a complete offer. It is, therefore, important that all documents duly completed and signed, failing which the quotation is liable to be treated as incomplete and ignored.
- c) ISRO HQ/DOS reserves the right to accept any or reject any/all quotation(s) without assigning any reason.
- d) ISRO HQ/DOS shall not be responsible for non-receipt of tender documents / offers due to postal delay / loss in transit.
- e) Quotation shall be valid for a period of 120 days from the date of opening.
- f) If tender opening date happens to be a public holiday, the tender will be opened on the next Working day. Interested parties who have participated in this Tender may depute their Representative to attend the Public Tender opening with an authorisation letter on their firm's Letter Head along with an Identity Proof. However, participation of party or their representative in the Tender opening shall be subject to a Security Clearance from concerned Authorities. ISRO HQ/DOS reserves the right to disallow any party or their representative from participation in the Tender Opening in the absence of Security Clearance.
- g) Any clarification on Tender document shall be made 72 hours before the due date & time. ISRO HQ/DOS shall make all effort to provide clarification. However, ISRO HQ/DOS shall not be responsible for non-receipt of any such clarifications and also any request for the extension of the due date for any reason shall not be considered.

5. Evaluation of Bids

- a) The techno-commercial bid shall be opened first and prior to the detailed technical evaluation, ISRO HQ/DOS will determine the substantial responsiveness of each bid to the Bidding Documents. For the purpose of these Clauses, a substantially responsive bid is one which confirms to all the terms and conditions of the Bidding Documents without any deviations.
- b) A bid determined as not substantially responsive will be rejected by ISRO HQ/DOS.

- c) The Techno-Commercial Bid evaluation shall be done on the basis of bidder's response to "Techno-Commercial Bid Format" given in RfP.
- d) Audited Balance Sheet duly certified by Chartered Accountant with his stamp and signature for last three audited financial years have to be submitted by the tenderer along with technical bid.
- e) During the evaluation of the bids, ISRO HQ/DOS shall ask any Vendor to produce the Originals of the documents attached for verification. Any failure in this regard by the Vendor shall be entitled for gross rejection of their Technical Bid.
- f) ISRO HQ/DOS reserves the right to visit the party's firm to verify the infrastructure and to assess the capability as & when necessary.
- g) After evaluation of the Techno-Commercial bids, the Price bids of those found technically suitable as per the tender requirements of the ISRO HQ/DOS shall only be opened.
- h) ISRO HQ/DOS reserves the right to accept or reject any tender without assigning any reasons or for accepting the whole or any part of the tenders. Decision of ISRO HQ/DOS in the matter shall be final and binding.
- i) NOTWITHSTANDING ANYTHING STATED ABOVE, ISRO HQ/DOS RESERVES THE RIGHT TO ASSESS TENDERER'S CAPABILITY AND CAPACITY TO PERFORM THE CONTRACT. SHOULD THE CIRCUMSTANCES WARRANT, SUCH ASSESSMENT IN THE OVERALL INTEREST OF ISRO HQ/DOS & DECISION OF ISRO HQ/DOS IN THIS REGARD SHALL BE FINAL. ISRO HQ/DOS RESERVES THE RIGHT TO REJECT ANY OR ALL TENDERS OR CANCEL/WITHDRAW THE NOTICE INVITING TENDER IN WHOLE/PART WITHOUT ASSIGNING ANY REASON WHATSOEVER AND DECISION IN THE MATTER SHALL BE FINAL & BINDING. IN SUCH CASE NO TENDERER SHALL HAVE ANY CLAIM ARISING OUT OF SUCH ACTION.

