



Indian National Space Promotion and Authorization Centre

Doc No: IN-SPACE/PMA/AO/01

Release Date: 30 July 2024

Announcement of Opportunity for making available Indian Orbital Resource to the Non-Government Entities

July 2024

Last date for submission of bids (technical and price bids)	15 September, 2024
Submission of Proposal by post to (Copy of only Technical bid to be shared by email also)	Deputy Director, F&A Indian National Space Promotion and Authorization Centre (IN-SPACE) New Bopal Campus, Ahmedabad - 380058 Ph: 079- 26916956 E-mail: ratnesh.kumar75@inspace.gov.in

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IN-SPACe/PMA/AO/01

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Announcement of Opportunity for making available Indian Orbital Resources to the Non-Government Entities

1. Introduction

The Indian Space Policy-2023 enables:

- a) use of Indian Orbital Resources¹ and/or Non-Indian Orbital Resources by NGEs² for establishment and operation of space objects for communication services over India and outside India;

OR

- b) acquisition of new orbital resources through Indian ITU filings to operate space objects, in coordination with WPC/DOT and international agencies.

Any Indian Entity can establish and/or operate Space Objects in GSO and NGSO in order to service Indian Territory or beyond Indian Territory or both, for various fixed and mobile applications like broadcasting, connectivity, broadband, amateur, space research, meteorology, and global positioning etc. Orbital Resource is the underlying requirement for establishing and operating such Space Objects. This may be done by EITHER making a “new/fresh ITU Filing to ITU under Indian administration”, OR by making use of the available “un-utilized under-process Indian ITU Filings or un-utilized Indian coordinated/allotted orbit resource”.

2. Purpose of this Announcement of Opportunity (AO)

The unutilized under process ITU Filing which is in coordination stage under Indian administration (hereinafter referred to as ‘**Unutilized ITU Filing**’) is made available for NGEs through this AO.

Proposals are solicited from NGEs desirous of making use of the available Unutilized ITU Filing as included in *Annexure I*.

The objective of this AO is to identify and enable the eligible NGEs to make use of Unutilized ITU Filing on ‘As is Where is’ basis. However, the beneficiary of this AO shall – a) obtain an ‘Advisory Note’ from IN-SPACe before initiating further actions on such ITU filing through WPC Wing of DoT; and b) seek a separate Authorization from IN-SPACe for establishment and/or operation of intended satellite system for communication services.

¹ “Indian Orbital Resource” shall mean any Orbital Resource acquired or in the process of being acquired by the Indian administration through an ITU Filing;

² “NGE” shall mean (i) a company incorporated under the Companies Act, 2013 or (ii) a partnership firm established under the Limited Liability Partnership Act, 2008, (iii) Trusts under the Indian Trusts Act 1882 (iv) Association of persons or body of individuals incorporated under relevant statutes in India.;

3. Proposal Submission

3.1 Eligibility Criteria

Only those NGEs

- a. Which are desirous of owning, establishing and operating satellite system / hosted-payload for communication services by making use of the available Unutilized ITU Filing and
- b. Which are under “Indian Management and Control”

are eligible for participation in this AO. A consortium of such NGEs is also eligible to participate in this AO. It is also mandatory that the Applicant owns the satellite system which would use this ITU Filing in Annexure-1.

“Management and Control” means the persons or entities that exercise control over, and have the power to control and manage the affairs of the entity, and shall include the “key managerial personnel” where the terms “key managerial personnel” and “control” have the following meanings:

- a) If the Applicant is a company incorporated under the Companies Act, 2013, then “*key managerial personnel*”, shall include the Chief Executive Officer or the managing director or the manager or equivalent, the company secretary or equivalent, the whole-time director or equivalent, the Chief Financial Officer, or the Chief Operating Officer or the Chief Financial and Operating Officer, or equivalent, as applicable; and such other officer as may be prescribed under the Companies Act, 2013 or by IN-SPACe;
- b) If the Applicant is a partnership firm under the Limited Liability Partnership Act, 2008, then “*key managerial personnel*” shall include partners and ‘designated partner’ as under the Limited Liability Partnership Act, 2008 the Chief Executive Officer, the Chief Managing Director, Chief Financial Officer and Operating Officer or equivalent, as applicable of the Applicant.
- c) If the Applicant is a trust as under the Indian Trust Act, 1882, then “*key managerial personnel*” shall include the author, trustees of the trust, the Chief Executive Officer, the Chief Managing Director, Chief Financial Officer and Operating Officer or equivalent, as applicable of the Applicant.
- d) “Control” shall include the right to appoint majority of the directors/ key managerial personnel or to control the management or policy decisions exercisable by a person or persons acting individually or in concert, directly or indirectly, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements or partnerships agreements or confidence of trust or in any other manner.

3.2 How to apply?

The application shall be submitted on two-part basis i.e. technical and price bids. The Applicant shall submit the technical bid in accordance with the prescribed format *Annexure II & III*), and price bid in separate sealed covers. If price of any nature is

disclosed in technical bid, then the proposal shall be considered as invalid without any notice. The technical bid in the prescribed format and price bid (sealed envelope), should be filled-in in its entirety, and sent to IN-SPACe HQ.

The last date for receiving the complete application by post or by hand is 15 September, 2024, 1400 hrs. The Applicant should submit two sealed envelopes to the following address, one containing the technical bid (*Annexure II & III*), and the other containing the price bid, enclosed together in an outer single envelope superscribing the “Document number IN-SPACe/PMA/AO/01”. A copy of the submitted technical bid only shall also be shared with IN-SPACe by email.

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Initially, only the technical bids shall be opened and evaluated. The price bids remain sealed and shall be held in custody of IN-SPACe. Following the selection criteria mentioned in subsequent section, the technical bids shall be evaluated by the IN-SPACe. Only qualified technical bids shall be considered for price bid opening and evaluation.

3.3 What is expected?

- a) The Applicant NGE shall comply with ISP-2023 and strictly adhere to the Norms, Guidelines & Procedures for implementation of ISP-2023 in respect of Authorization of Space Activities (Document no. IN:ISP2023:NGP2024/V1.0 dated May 3, 2024) available on IN-SPACe Digital Platform (IDP) (www.inospace.gov.in).
- b) A firm and fixed business plan / project report elaborating on realization, launch and operation of the proposed satellite system in conformity with the validity of the identified “Unutilized ITU Filing” needs to be submitted. Details of the technical and financial capabilities of the Applicant, including its managerial, operational, and infrastructural setups and its mission objective or intended applications, target users and coverage & service area, etc. also need to be provided.

3.4 Evaluation Criteria

The application shall be submitted on two-part basis wherein the following parameters will be considered for evaluation in the first part.

- managerial, operational, infrastructural, technical & financial capability of the Applicant so as to realize, launch and operate the satellite/payload;
- timeframe to bring in the satellite/payload including readiness, present status of the satellite and its deployment plan, securing of agreements for manufacturing / procurement / launch / mission management, etc.;
- mission objective or intended applications;
- target users (strategic, civil, societal use etc.) for the satellite capacity;
- use of innovative or emerging technologies like software defined satellites, electric propulsion, on-board intelligence, flexible payload, etc.
- realization of satellite component, sub-systems or systems from the indigenous vendor base;
- value addition to India and Indian space sector economy.

The second part (E of Table 1) will comprise of the price bid which shall be considered only for those applicants which meet the qualification criteria for the first part (A to D of Table 1).

The evaluation of the proposals shall be based on the marks obtained against the above parameters having suitable weightage with minimum cutoff marks to qualify being 50 marks out of 80 marks in Part-I in accordance with Table-1 and Table-2. In addition, the applicant shall submit its price bid over and above the identified base price which will be considered for final evaluation. The price bid shall carry a weightage of 20 marks.

The final selection shall be made based on the total marks scored by the Applicant out of 100.

The following evaluation matrix is defined for selection of the Applicant to make use of the available and identified Unutilized ITU Filing:

Table-1: EVALUATION MATRIX			
Capability (A)	Technical	Past experiences in realization/operations of satellite systems / sub-systems or ground segment; previous relevant work orders / projects executed of the above systems; availability of relevant technology (in-house or through ToT) for satellite and ground segment manufacturing/operation; firm plan in place for procurement/realization of the proposed satellite.	20 marks
	Financial	Financial health, certainty of requisite funds availability and source of funding (The relevant documentation such as balance sheet, annual reports, audit reports, global funding etc. to be accompanied with the application)	20 marks
Value addition (B)	Indigenous component or use of innovative/emerging technologies	The satellite configuration highlighting the indigenous / in-house contribution and innovative /emerging technologies. Benefit to Indian space sector, economy, society or any other value addition.	10 marks
Timeframe (C)	Timeframe to deploy the satellite conforming to the ITU filing validity	Present status of the satellite/ground segment/user segment readiness (including design, architecture etc.), overall realization plan with milestones, launch plan vis-à-vis ITU filing validity, service roll out timeframe	20 marks
Criticality (D)	Application criticality National Importance and targeted users	Criticality of the satellite system and services for the interest of the Nation and society at large.	10 marks
TECHNICAL SCORE(T₁) = (A+B+C+D)			80 marks
Minimum cutoff to qualify: 50 marks (sum total of A to D) out of 80 marks			
Price (E)	Price bid = (Base price ³ + X)	X is the price over the base price.	20 marks
<p>1. The evaluation would be done in two parts. First part will be comprising of A to D and second part will be comprising of price bid (E). Both parts shall be submitted separately. Second part will be opened only after evaluation of First part.</p> <p>2. Marks under E shall be assigned in proportion to the highest price bid. That means, the highest price bid shall be awarded full 20 marks and the marks for other lower bids shall be assigned proportionately. Proportionate Price Bid Score (E) = (Price Bid / Highest Price Bid) x 20</p> <p>3. The selection will be based on the total score obtained (sum total of T₁ and E) out of 100 marks.</p> <p>In case of equal total marks of Applicants, the selection criteria will be based on the total score of A to D i.e. Score T₁.</p>			
TOTAL (T₁+E)			100 marks

The scoring rationale adopted for the evaluation criteria (A- Capability, B- Value Addition, C- Timeframe, D- Criticality) mentioned in Table-1 is provided in Table-2. The Applicant is encouraged to include corroborating documents with technical bid in

³ Base price is given in Annexure I

respect of the evaluation criteria outlined in Table-1 and supporting the scoring rationale to be used by IN-SPACe to assess the Technical Score in Table-2 as shown below.

Table 2: SCORING RATIONALE				
Scoring Rationale (A- Capability, B- Value Addition, C- Timeframe, D- Criticality)		Max. Score		Score obtained
A	A.1 Technical			
	A.1.1 Experience			
	<ul style="list-style-type: none"> i. No. of years of Work Experience in manufacturing and/or operations of satellite systems/subsystems or ground segment ii. Relevant Work orders/Purchase orders/Contracts executed or in progress for realization or operation of satellite/payload systems/subsystems and/or ground segment iii. Past experience in dealing with ITU Filing activities such as <ul style="list-style-type: none"> a) Preparation and submission of ITU Filings b) Frequency coordination with other satellite networks. c) Coexistence arrangements executed, if any. 	10	20	
	A.1.2 Technical infrastructure and capability			
<ul style="list-style-type: none"> i. Availability of the relevant Technology or ToT obtained for realization of satellite systems/subsystems and/or ground segment ii. In-house facilities available for Satellite/Payload design, fabrication, testing and qualification and/or ground segment iii. Assembly, Integration and Testing (AIT) facility available for satellite systems/subsystems realization and/or ground segment iv. Strength of qualified manpower capable of satellite realization, operations, testing, AIT and/or ground segment operations v. Quality practices and certifications vi. Firm plan for procuring/realizing the satellite bus & payload systems/subsystems and AIT activities, along with satellite bus and payload configuration & architecture and associated ground segment architecture. 	10			
A.2 Financial				
A.2.1 Financial Strength (average turnover of the previous three financial years, i.e., 2020-21, 2021-22 and 2022-23) is				
<ul style="list-style-type: none"> <₹50 crores: 0 marks ₹50-₹100 crores: 2.5 marks ₹100-₹150 crores: 5 marks ₹150-₹200 crores: 7.5 marks >₹200 crores: 10 marks 		10		
A.2.2 Certainty in availability of requisite funds and Source of Funding				
[Total project cost, source of funding, availability of liquid funds, investments raised, etc. should be explained in the technical bid]		10		

B	B.1 Amount of indigenous element i. Proposed In-house realization of satellite systems/subsystems ii. Use of indigenous AIT facility iii. Launch of satellite from Indian launch vehicle	5	10	
	B.2 Innovative/emerging technologies i. Throughput Capacity being offered by the proposed satellite ii. Use of innovative, emerging or advanced technology in satellite systems/subsystems realization iii. Providing satellite communication service by use of innovative/emerging technologies/applications/ground or user segment	5		
C	C.1 Satellite readiness i. Milestones for realization/procurement, launch and establishment of satellite ii. Current realization/procurement status of satellite or systems including readiness of design, configuration and architecture iii. Availability/readiness of Launch service agreement for establishment of satellite in the orbit	10	20	
	C.2 Bringing into use of ITU filing i. Strategy to complete the frequency coordination with critical satellite networks ii. Strategy to make BIU and Due Diligence Filings iii. Difference in Proposed BIU & Due Diligence date and ITU filing Validity based on present readiness status: <12 months; 1-2 year; 2-3 year; >3 year iv. service roll out timeframe	10		
D	Application criticality, National Importance, societal needs and targeted users i. Intended satellite is planned to meet strategic demands of India ii. Intended satellite is planned to meet rural/remote connectivity of India iii. Intended satellite is planned to meet essential services of India Any firm plan or commitment from the end user/customer with regard to intended use of the satellite will have added weightage		10	
<p>Note: (1) All the above parameters shall be considered for evaluation of Technical bids. The substantiative documents are required to be submitted along with Technical bid for proper evaluation.</p> <p>(2) Assignment of marks would be based on the relative assessment, wherever applicable.</p> <p>(3) Further, certain considerations such as national security, international relations, geo-political considerations, etc., however, can be the basis for rejecting the application.</p>				

4. Terms and conditions of the AO and beyond:

- 4.1 All the applications, received within the due date, shall be evaluated on the basis of weighted scoring of the parameters as described above. IN-SPACe reserves the right to treat incomplete information as NO information and

consider corresponding weighted score as Zero for the purpose of evaluation.

- 4.2 The selection made by IN-SPACe shall be final and binding on all the Applicants.
- 4.3 The Applicant acknowledges that the process of securing orbital resources is subject to the national and international regulations including frequency coordination with other satellite networks and International Telecommunications Union (ITU) processes. Therefore, the decision of IN-SPACe in respect of the Application shall not guarantee the harmful interference free access to such orbital resources. The Applicant acknowledges that IN-SPACe shall not, in anyway, be responsible or liable in the event the Applicant is unable to secure the orbital resources for which application is filed by it.
- 4.4 In view of the nation's responsibility under applicable international law for the conduct of the NGE in the space sector, the decision of IN-SPACe shall be final and binding. IN-SPACe also reserves the right to accept or reject any application, without assigning any reasons.
- 4.5 In case where the application is, in IN-SPACe's determination, having a bearing or potential implication for India's national security, IN-SPACe shall have the discretion to treat the entire records in respect of such application as sensitive to National Security and prevent access to such records.
- 4.6 IN-SPACe shall provide an 'Advisory Note' to the selected beneficiary permitting the use of the identified Unutilized ITU Filing with an advice to approach WPC wing of DoT for the subsequent processing and actions, as applicable, such as achieving coordination with priority satellite networks, making notification and Due Diligence filing, etc. The Advisory Note shall be issued after the complete payment of the quoted price by the selected Applicants.
- 4.7 The Advisory Note shall not convey any right of the beneficiary over spectrum or Authorization for establishment and/or operations of the Space Object.
- 4.8 The beneficiary shall own and operate the satellite proposed to be established utilizing the ITU filing being awarded through this AO. The rights of use of the ITU filing shall remain with the beneficiary as long as a satellite using associated spectrum is owned and operated by the beneficiary.

- 4.9 The beneficiary shall make all the payments to WPC wing for the subsequent processes (such as Notification, Due Diligence, etc.), as applicable, and in accordance with the stipulated guidelines of WPC wing. The permitted use of the Unutilized ITU Filing is on a 'As Is Where Is' basis. The beneficiary shall be responsible for actions such as further coordination activity with foreign operators/administrations, modification filings, notification/due diligence filing, etc, if any, and as applicable. It is also to be noted that the actual frequencies used for realization, establishment and operations of the intended communication satellite shall be in accordance with the extant National Frequency Allocation Plan, extant ITU Radio Regulations and approval/wireless operating license (WoL) from WPC wing of DoT.
- 4.10 The payments made by the Applicant if any, towards availing unutilised ITU filing during the AO process and or subsequently, shall be non-refundable.
- 4.11 WPC wing and IN-SPACe shall monitor the completion of various actions by the beneficiary to assess the progress made in coordination with other administrations/ satellite operators and registering of the satellite network filings, as applicable. The status in respect of different milestones for establishment and operation of the satellite proposed by the Applicant in the application shall also be monitored and reviewed by IN-SPACe. The allocation of the Unutilized ITU Filing made to the beneficiary shall be liable for cancellation /revocation in the absence of satisfactory progress towards fulfilment of BIU/ BBIU within its validity or the milestones stated in the Application on deployment of satellite are not met without justifiable reasons to the satisfaction of IN-SPACe.
- 4.12 In case, the beneficiary is desirous of relinquishing/ surrendering the Unutilized ITU Filing at any given point in time, a clear communication on progress made with timelines and depicting reasons of relinquishment/ surrendering shall be communicated to IN-SPACe in writing and through email. IN-SPACe will identify such relinquished/surrendered Unutilized ITU Filing for making them available to the next prospective Applicant shortlisted during the AO process. If the same is not materialized, a fresh AO will be released by IN-SPACe.
- 4.13 Subsequent to the deployment of the satellite in orbit, and successful registration of the satellite network in the Master International Frequency

Register (MIFR) of ITU, as applicable, the beneficiary will continue to enjoy the 'rights of use' for this Orbital Resource/frequency assignment as long as it continues to own and operate a satellite using this orbital resource. However, the beneficiary is not permitted to transfer/sublet the ITU filing awarded through this AO to any third party. Beneficiary will be permitted to seek the suspension of the satellite network assignment, with the approval of IN-SPACe, if it is unable to bring up the replacement satellite in time. Such approval shall be given after assessing the readiness and possible in-time deployment of the replacement satellite. Otherwise, the satellite network assignment shall be considered by IN-SPACe for offering it to the other Indian Entities.

- 4.14 The Applicant acknowledges and agrees that in the event it intends to undertake any act, deed or thing in respect of orbital resources assigned to it, which runs contrary to the original design of the mission for which the application is made under this AO, then before undertaking such act, deed or thing, the written approval of IN-SPACe shall be necessary, failing which, IN-SPACe, in consultation with WPC wing, reserves the right to suspend or terminate the frequency assignment pertaining to the ITU Filing under this AO.
- 4.15 As and when the satellite configuration, launcher, ground network and other necessary details are finalized, the beneficiary (who would be the Applicant in this case) shall submit a formal application to IN-SPACe seeking Authorization for establishment and/or operation of the Space Object for the intended services.

Annexure-I

Unutilized coordinated / registered ITU Filing under Indian administration				
Sl. No.	Sat Network	*Freq Band & Coverage	Date of receipt & Validity	Base Price**
1.	INSAT-KA89ER	Uplink: 27-31 GHz Downlink: 17.7-21.2 GHz	Receipt: 26.02.21 Validity: 26.02.28	₹ 29,67,900/-
<p>Note</p> <ul style="list-style-type: none"> • Further details of the filings may be downloaded from the ITU website. • This table provides the frequency details as mentioned in the satellite network filing and submitted to ITU-R and available on ITU website. However, the actual frequencies which could be used for establishment and operations of a communication satellite would be in accordance with the extant NFAP and extant ITU-RR, subject to the approval/wireless operating license (WoL) from WPC wing of DoT. • *The INSAT-KA89ER filing includes C (5850-6725 MHz/3600-4200 MHz) and Ku (13.75-14.5 GHz/10.95-11.2,11.45-11.7, 12.2 -12.75 GHz) band also. However, the ITU filing being offered is only for Ka band as mentioned above. • **The payment mechanism shall be conveyed to the selected applicant subsequently. 				

Annexure-II
APPLICATION FORM

Information and Credentials of the Applicant	
	<p>Note: Applicant may identify/declare the information and content of this application, if any, as commercial confidence or trade/technical secrets, which may be treated by IN-SPACe with due diligence.</p> <p>Write the document/annexure no. while giving response to the details being asked, if applicable.</p>
1.	Provide documentary evidence to substantiate whether the person, who is submitting this application, is authorized to submit this application to IN-SPACe on behalf of the Applicant.
2.	Name of the entity
	a) Legal Name
	b) Trade/Brand Name (if any)
3.	Applicable Category of NGE/Government Entity (a) Company incorporated under the Companies Act, 2013 (b) Partnership firm established under the Indian Partnership Act and Limited Liability Partnership Act, 2008 (c) Trust under the Indian Trust Act, 1882 (d) Association of persons or body of individuals incorporated under relevant statutes in India. Kindly specify.
4.	Constitution of the entity (LLP / Public Ltd / Pvt Ltd/ Trust/ PSU/CPSE/ or other legal entity (please specify)
5.	Date of Incorporation/Establishment
6.	Registration Number (CIN / LLPIN / Partnership Registration Number / Such Other Registration Number provided by the appropriate Government Agencies)
7.	Charter document such as MOA and AOA, LLP agreement, as applicable
8.	PAN / TAN Number
9.	GSTIN Number
10.	Specify whether recognized as a Start up Small Enterprise Micro Enterprise Medium Enterprise if yes, provide Registration Number and Date and upload certificate provided by DPIIT and Ministry of MSME

11.	If Joint Venture, details of other partners and their share in the business	
12.	Registered office and address	
	Corporate office and address (if different from registered office)	
	Address for correspondence	
	Phone	
	Email	
	Website	
13.	Contact person (Should be authorized signatory for subsequent agreement/ documents/ declaration)	
	Name	
	Designation	
	Mobile	
	Email	
	Management and Control	
14.	Details of the Applicant's directors and key managerial personnel, including proof of address, proof of identity, contact details, nationality, current residence, other directorships and shareholding held by such individuals	
	Whether the Applicant has a Chairperson, Managing Director, Chief Executive Officer, and/ or Chief Financial Officer, or a partner, or a trustee, as applicable who is a foreign national?	
15.	The details of shareholders or partners of the Applicant who hold ultimate/significant beneficiary ownership including those registered and unregistered in the Company Register, and including those having 10% or more shareholding.	
16.	Whether the Applicant is under Indian Management and Control as defined in IN-SPACE Norms, Guidelines and Procedures for implementation of the Indian Space Policy 2023 in respect of Authorization of Space Activities.	
	Whether the Management and Control (as defined in Company Act 2013 or under IN-SPACE Norms, Guidelines and Procedures for ISP-2023 implementation) is with Non-Indian Resident, if so provide the details	

17.	Information on, criminal case(s), chargesheet, trials, conviction by courts, etc., if any, against key managerial personnel/ the promoters*/ the controlling shareholders*/ beneficial owners*/the partners/ trustees, as applicable, in respect of any criminal offences under Chapter VI, VII, VIII, IX, and X of the Bhartiya Nyaya Sanhita and Chapter VI, VII, VIII, IX, IXA, XIV, XVI and XXII of the Indian Penal Code, 1860, offences under the Official Secrets Act, 1923, the provisions of the Prevention of Corruption Act, 1988, Prevention of Money Laundering Act, 2002 and/or Unlawful Activities Prevention Act, 1967 and/or aiding and/or abetting or engaging in a conspiracy for the commission of any of the foregoing offences , or other such designated offences.	
Financial Credentials of the Applicant pertaining to the Space Activities for which the Application is being filed.		
18.	Applicant's Net worth. Net worth shall be as defined in Companies Act, 2013 and as amended from time to time. The net worth of promoters/ directors/ partners/ trustees or the equity shares of the applicable personnel shall not be counted for determining the net worth of the Applicant. While calculating the net worth, the foreign currency shall be converted to Indian rupees at the prevalent rate, as indicated by the Reserve Bank of India as on the date of the Application received. Provide CA certified copy for Net worth.	
19.	Annual Report for last 3 (three) years (i.e. F.Y. 2021-22, 2022-23. 2023-24)	
20.	Audited Financial Statements for last 3 (three) years (i.e. F.Y. 2021-22, 2022-23. 2023-24)	
21.	Income tax returns filed for last 3 (three) years (i.e. F.Y. 2021-22, 2022-23. 2023-24)	
22.	GST returns filed for last 6 (six) months	
23.	Foreign direct investment (if any) If so, please provide shareholding (%) of the foreign investor along with Date of receipt, amount (absolute and %), Sector under which investment was received, and route (automatic/ Govt approval).	
24.	Estimated cost of the proposed satellite realization/procurement and establishment	

25.	Provide source of funding, availability of liquid funds, investments raised, etc. to substantiate certainty in the availability of the requisite funds	
26.	Provide additional information as per the Security Clearance Proforma given in Annexure-III	
	Operational, Infrastructural and Technical capabilities of the Applicant including the details of the facilities for carrying out the Satellite/Ground segment Activities for which the Application is being filed.	
27.	Brief profile (nature of business presently conducted by the Applicant and expertise in the relevant field for which application is filed) Provide relevant documents detailing about the no. of years of work experience of the Applicant in activities related to manufacturing and/or operations of satellite systems/subsystems or ground segment	
28.	Provide relevant documents detailing about the experience of the Applicant in activities related to satellite/ground segment in terms of strength of manpower (separately on company payroll, contract or consultancy), their expertise, no. of years of work experience in activities related to manufacturing and/or operations of satellite systems/subsystems or ground segment.	
29.	Provide relevant documents for work orders received/executed for realization or operation of satellite/payload systems/subsystems and/or ground segment.	
30.	Provide relevant documents showing past experience in dealing with ITU filing activities such as a) Preparation of ITU Filing b) Frequency coordination with other satellite networks to avoid interference and ensure mutual compatibility. c) Coexistence arrangements executed, if any.	
31.	Provide firm plan for procuring/realizing the satellite bus & payload systems/subsystems and AIT activities, along with satellite bus and payload configuration & architecture and associated ground segment architecture.	
32.	Provide details of Technology transfer/patents/contracts/Letter of Intent granted in respect of space sector related activities if any.	
33.	Provide fabrication/testing quality practices related ISO certifications being followed if any.	
34.	Provide list of technical infrastructure planned to be used such as, Assembly, integration and	

	testing facilities; Manufacturing facilities for satellite/payload systems/subsystems realization if any. Specify which of these facilities are available in house and which one are to be outsourced for.	
35.	Provide the total cost of satellite manufacturing and AIT activity. Specify the percentage of outsourcing in terms of cost stated above if using other than inhouse facilities.	
36.	Provide documents elaborating on the use of indigenous resources in executing this proposal in respect of following but not limited to: i. In-house realization of satellite systems/subsystems ii. Use of indigenous AIT facility iii. Launch of satellite from Indian launch vehicle Provide local facility use percentage for satellite realization/procurement.	
37.	Provide local content percentage for satellite realization/procurement in terms of bus and payload systems.	
38.	Provide documents if the applicant is i. using innovative technology in satellite systems/subsystems realization ii. providing satellite communication service by use of innovative/emerging technologies	
	Satellite Details	
39.	Satellite/constellation configuration, architecture and mission profile mass (dry & wet), Orbital parameters intended operational life satellite dimension (stowed & deployed) Bus configuration (Bus type, solar panel, battery type & power, type of stabilization, pointing sensors, network architecture, Launch & Early Operation Phase and station keeping strategy etc.)	
40.	Number of payloads per satellite	
41.	Each payload configuration & architecture (channelization plan/transponder frequencies & bandwidth, user link & gateway link frequencies, data rate per transponder, modulation, throughput, number of beams, spot beams/single beam, coverage area, EIRP and G/T chart over coverage area, etc., as applicable)	

42.	TT&C frequencies, modulation, data rate, bandwidth	
	Ground Station Details	
43.	Details of satellite TT&C stations being proposed to be used (such as locations, ownership - self owned or service provider. Provide details of service provider like name, address, if applicable.	
44.	Details of the Mission Control Centre [MCC] being proposed to be used (such as locations, Ownership - self owned or service provider. Provide details of service provider like name, address, if applicable.)	
45.	Details of satellite hubs / gateways (locations, no. of gateways, configuration /architecture), Constellation Management Network Centre (Location, capability, configuration, network architecture etc.) and User terminal Details (terminal size, network architecture), as applicable.	
	Comparison of the proposed Satellite system vis-à-vis ITU filing <i>(Highlight changes/deviations from the ITU Filing)</i>	
46.	Payload frequency band and frequencies	<i>Highlight changes/deviations from the ITU Filing)</i>
47.	Coverage details including EIRP & G/T chart over coverage & service area	<i>Highlight changes/deviations from the ITU Filing)</i>
48.	TT&C frequency details as per ITU Filing (Carrier frequency, BW, beacon, if any, data rate, modulation etc.)	<i>Highlight changes/deviations from the ITU Filing)</i>
49.	Orbital slot / orbit parameters & coverage as per ITU Filing	<i>Highlight changes/deviations from the ITU Filing)</i>
50.	Explain strategy to complete the frequency coordination of the ITU filing with critical satellite networks and to make BIU and Due Diligence Filings. Please ensure that the strategy is clearly defined, specific, achievable, relevant, and time-bound.	
51.	Timeline for establishment of satellite and realization plan with major milestones (Current status, CDR, Dis-assembled mode IST, AIT,	

	environmental tests and launch plan/launch service agreement)	
52.	Intended applications & services (Strategic/Civilian, Rural connectivity/Remote connectivity/Essential services or any other)	
53.	Service roll out timeframe to end users	
UNDERTAKING/DECLARATION		
A.	We hereby declare that the above statements, information and data provided by us in this application form are true and correct to the best of our knowledge and belief. We understand that IN-SPACE reserves the right to disqualify/reject the bid at its own discretion.	
B.	We hereby declare that the Applicant and its key managerial personnel/ the promoters/ the controlling shareholders/ beneficial owners /the partners /trustees, as applicable, are, to our knowledge, not named as an accused in any chargesheet in respect of any criminal offence punishable under Chapter VI, VII, VIII, IX, and X of the Bhartiya Nyaya Sanhita and Chapter VI, VII, VIII, IX, IXA, XIV, XVI and XXII of the Indian Penal Code, 1860), offences under the Official Secrets Act, 1923, the provisions of the Prevention of Corruption Act, 1988, Prevention of Money Laundering Act, 2002 and/or Unlawful Activities Prevention Act, 1967 and/or aiding and/or abetting or engaging in a conspiracy for the commission of the foregoing offences, other than declared in this application form. We also hereby undertake that we shall promptly inform IN-SPACE about the changes, if any, in the status of the above declaration during the processing of the application or after the issue of IN-SPACE Advisory Note and during the process of frequency coordination, registration of the satellite network in the MIFR or use of the associated frequency assignment in establishment and operations of a satellite, as applicable. We also understand that IN-SPACE reserves the right to either reject/short-close the application or terminate/suspend/revoke the Advisory Note or assignment of the associated frequency spectrum taking cognizance of such offences.	
C.	We hereby declare that Applicant (i) is not bankrupt or being wound up / liquidated; (ii) does not have its affairs administered by the courts; (iii) has not entered into an arrangement with creditors or suspended business activities, and (iv) is not the subject matter of proceedings concerning the aforementioned matters arising from a under the Insolvency and Bankruptcy Code, 2016 or any other applicable law.	
D.	We undertake that we shall inform IN-SPACE in writing and through email, within 48 (forty-eight) hours of any change in 'Management and Control' or shareholding pattern or an equivalent change in a partnership or trust of our company/entity. We understand that IN-SPACE in its sole discretion or in consultation with the relevant departments/ministries wherever necessary, may decide to reject the application, revoke, amend or issue fresh permission in such cases.	
E.	We hereby submit our application to IN-SPACE for due consideration for making use of Unutilized ITU Filing for space-based systems under Indian administration in response to the announcement of opportunity published by IN-SPACE.	

F.	We hereby affirm to take all necessary efforts for further handling the ITU Filing including frequency coordination activities with affected networks before the Filing gets expired.	
G.	We hereby affirm to take all necessary efforts in meeting different milestones proposed in our application in respect of realization and establishment of a satellite in response to utilization of the ITU Filing awarded through this AO.	
H.	We hereby affirm to own and operate the satellite proposed to be established utilizing the ITU Filing being awarded through this AO.	
I.	We hereby affirm that the application is in conformity with all the conditions and clauses, as given in the announcement of opportunity and in conformity with all the applicable laws, policies, rules, and regulations of the Government of India.	
	Signature of the Applicant:	
	Name in Block Letters:	Full Address:
	Official Seal/Stamp	Place:
	Tel: No:	Date:
	E-mail:	
	Website:	
	<p>NOTE: * For the purposes of the Application, the meaning of the following terms shall be gathered with reference to the parameters set out herein.</p> <p>1. To determine who Controlling Shareholder(s) are, IN-SPACE considers the following,</p> <p>a. In case of a private limited company other than that, which is formed directly or indirectly under a joint venture agreement, the shareholder(s)</p> <p>i) Constituting more than 50% (fifty) of the equity and/or preferential shares of the company and/or</p> <p>ii) Where no shareholder(s) of the company, individually, owns more than 50% or more shares in the company, then IN-SPACE shall be entitled to examine whether the shareholder(s) represent a shareholding, which in the opinion of IN-SPACE, renders him or her or them, in a position to direct the control and management of the affairs of the company.</p> <p>b. In case of a private limited company formed directly or indirectly under or pursuant to a joint venture agreement,</p> <p>i) Whether the person(s) who either has or have, as the case may be, the shares in the form and manner set out in sub clause (a) above, and/ or</p>	

- ii)** Whether the person(s), who, by virtue of rights granted under the joint venture agreement or any other contract or agreement, exercise or exercises, as the case maybe, whether directly or indirectly, the right of management and control of the affairs of the company,
- c.** In case of a publicly listed or unlisted company, whether the person(s) who hold(s), as the case may be, such number of shares and/or such type of shares, as are necessary, to directly or indirectly, control the management and affairs of the company.
- d.** In case of limited liability partnerships, whether the person(s) listed as a designated partner and/or the person(s) who, by virtue of the limited liability partnership agreement, exercises the powers of management and control of the affairs of the limited liability partnership.
- e.** To determine
- i.** “Management and control of the affairs of the company”, IN-SPACe considers the extent of right such shareholder(s) have to appoint the director(s) of the company. While determining the extent of right of appointment of a director available to a shareholder, IN-SPACe may take into consideration,
- a.** What kind of powers the director can exercise, pursuant to the appointment by the concerned shareholder, in the management of the company.
- b.** Whether or not the director, pursuant to such appointment, is capable of and/or actually exercise control of the management and day to day affairs of the company.
- c.** Whether the director, pursuant to such appointment, having regard to his or her roles, responsibilities, powers and functions are performing executive or non-executive functions.

	<p><i>d.</i> The precise impact such director is capable of exerting on the Company's intent and ability to comply with the terms of the authorization granted by IN-SPACe and/or with obligations flowing out of any law or contract.</p> <p><i>e.</i> Such other factors that IN-SPACe may, with regard to the context of the Applicant, deem relevant for assessing management and control.</p> <p><i>ii.</i> "Management and control of the affairs of the limited liability partnership" shall be determined by IN-SPACe by examining the role of the partner(s) in the running of the limited liability partnership.</p> <p><i>f.</i> For the purposes of the definition of "controlling shareholder(s)", shareholder(s) or partner(s) as the case may be, conferred with veto powers or affirmative voting rights under an investment agreement such as a share purchase agreement or shareholders agreement, shall not, per se, be deemed to in a position either to directly or indirectly manage and/or control the affairs of the company and/or the limited liability partnership as the case maybe.</p> <p>2. "Promoter" shall have the same meaning as that defined in sub section 69 of Section 2 of the Companies Act, 2013</p> <p>3. "Beneficial owner" shall have the same meaning as that provided in sub section (1) of Section 90 of the Companies Act, 2013 read with Companies (Significant Beneficial Owners) Rules, 2018 (SBO Rules).</p> <p>"Significant beneficial owner" means an individual referred to in sub-section (1) of section 90 (holding ultimate beneficial interest of not less than ten per cent.) read with sub-section (10) of section 89, but whose name is not entered in the register of members of a company as the holder of such shares, and the term 'significant beneficial ownership' shall be construed accordingly;</p> <p>Explanation I. - For the purpose of this clause, the significant beneficial ownership, in case of persons other than individuals or natural persons, shall be determined as under– (i) where the member is a company, the significant beneficial owner is the natural person, who, whether acting alone or together with other natural persons, or through one or more other persons or trusts, holds not</p>
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	<p>less than ten per cent. share capital of the company or who exercises significant influence or control in the company through other means; (ii) where the member is a partnership firm, the significant beneficial owner is the natural person, who, whether acting alone or together with other natural persons, or through one or more other persons or trusts, holds not less than ten per cent. of capital or has entitlement of not less than ten per cent. of profits of the partnership; (iii) where no natural person is identified under (i) or (ii), the significant beneficial owner is the relevant natural person who holds the position of senior managing official; (iv) where the member is a trust (through trustee), the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with not less than ten per cent. interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.</p>
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Application Proforma for security clearance (other proposals)**I. Details in respect of Company/Firm (Indian/Foreign):**

Sl. No.	Full Name of the Company and its foreign collaborators, if any.	Date of registration of the Company	Address of Head Offices and registered office	Previous name of the company if any	Details of earlier approvals, if any (ref no. & date)	Complete details about the proposed activities.
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II. Details in respect of Directors/Key Executives:

Sl No.	Full name of Board of Directors and Key executives (Wherever applicable)	Present position held with date (Since when)	Date of Birth	Parentage	Present & permanent address	Nationality	Passport no. and issue date, if any	Contract address & telephone number
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III. Details of Shareholders having more than 10% shareholding in the applicant company (all firms/companies/entities/individuals):

Sl. No.	Full Name	Parentage (Father/mother names)	Date of birth	Permanent address	Present address	Present position held	Nationality (if holding dual nationality, both must be clearly mentioned)	% of Shares held in the Company
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IV. Details of criminal cases, if any, against the Company/Director(s) as per Annexure

Self-declaration for company and directors(s) for whom security clearance is sought

- a. Name & address and registration number of the company :
- b. Name and address of owners (in case of proprietorship firm) / director of the company :
1. _____
2. _____
3. _____
4. _____
- c. Is the company owners (in case of proprietorship firm) / directors listed above, the subject of any
1. Preventive detention proceedings under Public Safety Act/National Security Act etc. : Yes/No
2. Criminal investigation in which charge sheet has been filed : Yes/No
- d. If, Yes, please provide following details
1. Case/FIR number :
2. Detention/Warrant number, if any :
3. Police station/district/agency :
4. Sections of law under which case(s) has/have been filed :
5. Name and place of Court :
- e. The above mentioned details are in respect of both India and any foreign country

(Signature)

Note : The above self-declaration is required to filed and signed by the authorized signatory of the company