ENCLOSURE TO ADG-Acq, Tech (MRS) LETTER TM(M)/0025/0300/SOAC dT 22SEP26

PRE BID QUERIES OF 10 X SOAC with UAS						
Ser	**Page No**	**Part/ Appendix of RFP**	**Para**	**RFP Requirement**	**Vendor Query**	**Response**
1	135	Appendix K	Sl: No: 3(b)	Registration is required for a minimum of 2 years, or 1 year for MSMEs; minimum number of years is stated as not applicable for JVs constituted specifically for a project:	Kindly clarify whether a Joint Venture constituted specifically for this SOAC project, including a newly incorporated Indian JV, is eligible to participate as the Bidder, subject to fulfilment of all other applicable RFP and DAP 2020 requirements:	As per RFP
2	135	Appendix K	Sl: No: 2(b)	Minimum 2 years' experience in relevant areas, or cumulative 3 years' experience where applicable, resulting in competence for manufacturing the proposed product:	In the case of a project-specific JV, kindly clarify whether the relevant experience of the constituent JV partners may be considered collectively for satisfying the experience criterion:	As per RFP
3	135	Appendix K	Sl: No: 2(c)(i)	Where the product involves integration, previous experience of not less than one year/one project in integration of systems/equipment is required:	Kindly clarify whether integration experience of a constituent JV partner and/or designated technology/design partner may be considered for satisfying this criterion where the JV/Bidder undertakes system integration in India:	As per RFP
4	135	Appendix K	Sl: No: 2(c)(ii)	Experience of a successful turnkey project of similar nature, or alternatively the main component vendor may be selected where the required turnkey experience is not available, subject to the stated conditions:	Kindly clarify whether, where a project-specific JV is formed, the turnkey experience of a constituent partner may be considered for the JV as the Bidder: Further, the Appendix K pre-qualification criteria include a turnkey-project value threshold (a completed turnkey project exceeding 20% of AoN cost in the last 5 years, or a live contract of 30% of AoN): Please confirm how this applies to a consortium/JV bid where the design authority (naval architect) and the turnkey shipbuilder (shipyard) are separate legal entities, each contributing distinct and complementary track records - specifically, whether the shipyard partner's own turnkey naval-construction experience (independent of this specific hull form) satisfies this criterion for the consortium as a whole.	As per RFP
5	134	Appendix K	Sl: No: 2(a)	The vendor is to be a manufacturing entity or system integrator of defence equipment and not a trading company, subject to the stated OEM provision:	Kindly confirm that an Indian manufacturing entity/system integrator with an IRS-approved boat manufacturing facility may participate where the proposed platform is supported by an overseas Design Authority/Technology Partner and the Indian Bidder undertakes manufacture, integration and lifecycle support in India.	As per RFP
6	135	Appendix K; Part I	Sl: No: 2(b); Para 7	Experience in the related field is prescribed; RFP Para 7 also expressly refers to reporting by technology partners:	Kindly clarify whether the demonstrated experience of an overseas Design Authority/Technology Partner in designing and manufacturing similar military craft may be considered for assessing the Bidder's related-field/technical experience, where the Indian Bidder undertakes indigenous manufacture and integration.	As per RFP
7	9	Part I	Para 7	Indigenous Content (IC) is to be >=50% and an indigenisation plan is to be submitted; the Ministry retains audit rights over Bidder/sub-contractors/suppliers/technology partners.	Kindly clarify whether imported technology, engineering services, drawings and technical assistance provided under a Technology Transfer/Design Support arrangement are to be treated in accordance with the DAP 2020 IC methodology, and confirm the applicable treatment for calculation of IC.	As per RFP and Appendix 'B' to Chapter I of DAP 20.
8	16	Part II	Para 36	Shortlisted equipment is to be provided for trial evaluation in India on a 'No Cost No Commitment' basis	Kindly clarify the anticipated period between completion/approval of the TEC and commencement of FET, including the expected notice period to shortlisted Bidders.	As per DAP 2020, available in open domain
9	16	Part II	Para 36-37	The shortlisted equipment is to be provided for trial evaluation and the equipment must clear stipulated trials/evaluations.	Kindly clarify whether the craft offered for FET is required to be a production-standard craft, a prototype, or a representative pre-production craft, and whether the same configuration will form the reference configuration for subsequent production.	As per RFP

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10	16	Part II	Para 37(a)	User Trials may involve functional trials in specified conditions and may be conducted in more than one phase; vendor maintenance teams/experts are to be available during trials.	Kindly provide/confirm the detailed FET trial schedule, trial locations, anticipated sea-state/environmental conditions and approximate duration of the User Trials.	Trials to be conducted as per Appendix F of RFP. FET has to be conducted in India as per Para 36 of Part II of RFP
11	75-76	Appendix A	Sl: No: 1(a), 1(b), 2(i) and 2(e); Sl: No: 3(a)	The SOAC is required to operate up to Sea State 4, be self-righting, sea-worthy up to Sea State 4 and demonstrate specified speed/performance:	Kindly clarify the methodology and acceptance criteria for demonstration of Sea State 4 performance where the required natural sea conditions are not available during the scheduled FET period. Further, Appendix A 3(a) requires a class-certified operational envelope of 45 kn at Sea State 1 and 20 kn at Sea State 4: Please confirm whether this envelope is to be established analytically (seakeeping simulation / model test) or must be physically demonstrated at sea during FET at both stated sea states - the latter represents a materially higher trial burden and cost for a 10-unit programme.	As per trial methodology of RFP
12	75	Appendix A	Sl: No: 1(d); Sl: No: 3(e)	All-around ballistic protection to BIS threat levels 5 and 6 in accordance with IS 17051 is required.	Kindly clarify whether ballistic test/certification reports issued by internationally accredited laboratories, demonstrating equivalence to the specified BIS IS 17051 threat levels, will be accepted subject to Buyer/QA approval. Further, Appendix A 3(e) requires ballistic plates of man-portable dimensions in a modular and detachable panel arrangement: Please confirm the maximum acceptable panel mass and dimensions for man-portability, so that panel sizing - and the consequent number of joints/fasteners, which affects both weight and cabin sealing - can be optimised early rather than assumed conservatively.	As per RFP The maximum acceptable panel mass and dimensions shall cater to the threat level as mentioned in Para 3 (e) of Appendix 'A' of RFP
13	75-76	Appendix A; Section A - General	Sl: No: 1(e) and 2(h)/(i); Para 3(k)(v)	The SOAC is to be built to classification society norms, be SOLAS compliant in respect of afloat safety, and be sea-worthy up to Sea State 4 with certification from Class.	Kindly clarify whether certification by any IACS-member classification society acceptable to the Buyer will be considered, or whether a specific classification society is mandated. Additionally, clarification on the Class notation applicable to the SOACs is requested. Further, please confirm that 'SOLAS compliance in respect of afloat safety' (Appendix A 3(k)(v)) is intended to be satisfied via the nominated classification society's rules for afloat safety / LSA-FFA scaling, rather than statutory SOLAS survey and certification, given the SOAC's status as a warship exempt under SOLAS Ch: I Reg: 3(a): Please also confirm that 'latest HSC rules of the class' refers to the classification society's HSC / Special Service Craft rule set rather than IMO HSC Code 2000 statutory certification.	As per the classification society norms mentioned in RFP and available on open source.
14	37	Appendix A	Para 28	The Technical Offer is to provide detailed understanding of the equipment and each subsystem, including performance parameters and relevant technical information:	Kindly clarify whether a proven existing military craft design, suitably configured to meet all RFP parameters, is acceptable, provided the offered configuration is fully compliant and the required design/certification documentation is submitted	As per RFP
15	14	Part II	Para 30	Technical details are required to be factual and comprehensive; insufficient/incomplete details may lead to rejection:	Kindly confirm whether technical documentation relating to proprietary design elements may be submitted under appropriate confidentiality/proprietary markings, while providing sufficient information for TEC evaluation.	All documents are handled exclusively maintaining confidentiality as per RFP.
16	15	Part II	Para 33	Bidder is required to provide equipment for trial evaluation in India on a No Cost No Commitment basis and bear specified trial-related expenses:	Kindly allow this trial to take place at an international location; the cost of travel and lodging at location can be borne by the bidder.	FET will be conducted in India as per Para 36 of Part II of RFP

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17	16	Part II	Para 36-37; Para 36	Trials are mandatory for introduction into service and may include User Trials and other evaluations specified in the RFP/trial methodology:	Kindly clarify whether any parameters already demonstrated through accredited certification/documentary evidence at TEC stage will be excluded from physical FET, consistent with the applicable DAP 2020 methodology. Shortlisted equipment will undergo trial evaluation on a 'No Cost No Commitment' basis as per the trial methodology at Appendix F: Demonstration of the SOAC and other equipment is not feasible during technical evaluation; request to omit the para requiring trial of craft/equipment during technical evaluation.	As per Appenndix 'F' of RFP
18	11	Part I	Para 16	Operator and repair/maintenance training is prescribed, including two-week batches and specified personnel/locations.	Kindly clarify whether training may be conducted using the final production-standard craft after completion of the relevant Joint Receipt Inspection.	As per Para 16(a) of Part I of RFP
19	10	Part I	Para 34	A 10-year CMC after the 24-month warranty is required and technical/commercial CMC details are to be submitted separately:	Kindly clarify whether the CMC scope includes all consumable spares, breakdown spares, specialist manpower, calibration and software support for the complete SOAC/UAS system, and identify any exclusions. Further, please confirm whether the commitment to provide product support for 15 years is acceptable.	As per RFP
20	9	Part I	Para 7	IC is to be >=50%, with an indigenisation plan and prescribed certification:	Kindly clarify the treatment of foreign-origin engines, UAS components, sensors and other imported sub-systems in the IC calculation where final integration, testing and acceptance are undertaken in India.	As per RFP and Appendix 'B' of Chapter I of DAP 20
21	11	Part I	Para 17	The Bidder is required to confirm applicable government restrictions/regulations and submit prescribed certificates.	Kindly clarify whether an overseas Technology Partner/Design Authority participating as a subcontractor, technology partner or constituent JV member is required to submit any additional declarations/registrations under the RFP.	As per RFP
22	8	Part I	Para 5(a)	The Bidder is required to provide declarations regarding debarment/suspension and relevant sub-contractors/suppliers/technology partners:	Kindly confirm whether, where an overseas technology partner is proposed, the Bidder may submit the prescribed declaration for the technology partner together with the technology partner's supporting declaration/undertaking	As per RFP
23	14	Part II	Para 28-30	The Technical Offer and Compliance Table require detailed technical information against the RFP requirements:	Kindly clarify whether the Bidder may identify the overseas Design Authority/Technology Partner in the Technical Proposal and submit relevant experience, design pedigree, certifications and technical support commitments as supporting documents.	As per RFP
24	135	Appendix K	Sl: No: 3(b), 2(b), 2(c)	Appendix K recognises a reduced registration period for MSMEs and states that the minimum number of years is not applicable for JVs constituted specifically for a project:	Kindly clarify whether an Indian MSME constituent of a project-specific JV may rely on its MSME status for the applicable registration criterion and whether the project-specific JV itself is exempt from the minimum registration-period requirement.	As per RFP
25	33	Appendix A Appendix F	Para 18(d); Item 1(b)	Self Righting Type. A mechanism for self righting of craft in case of capsizing be provided.	Level of operational ability post capsize to be confirmed. Further, Appendix F item 1(b) requires the SOAC to be of 'self-righting type, demonstrated by trial': Please confirm the specific test / certification standard or classification society notation that will be accepted as evidence of self-righting capability (eg. a defined angle of heel / inversion recovery criterion), so that this can be designed to a defined target rather than to a general intent: Will single-shot self-righting bags be accepted?	As per trial methodology of RFP

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26	25	Appendix A	Para 5(a)	Max Speed: Not less than 40 kn at 85% MCR:	We would request to remove the 85% MCR requirement for max speed of 40 kn. Further, please confirm the rationale for the 85% MCR margin, and whether a bidder demonstrating in excess of 40 kn at a lower MCR percentage (with a correspondingly higher demonstrated reliability / service margin) would be considered non-compliant purely on the MCR percentage, even where the absolute speed and reliability targets are both met or exceeded.	As per RFP
27	35	Appendix A	Para 23	Tank Capacities.	25% reserve stated on Sec: 18: However, Sec 2(g) states 10%: Please clarify what is the reserve capacity requirement:	25% as per Appendix A para 23 of RFP
28	24	Appendix A	Para 4(d)	Displacement: Not more than 17 tons.	With all the requirements of the tender we would require more displacement, hence at least 15% more be allowed over the current displacement of 17 tons. Further, Appendix A 4(d) caps displacement at 17 tonnes with no loading condition stated, unlike the draught limit in the same clause (4(c): 'in fully loaded mode') and the speed/endurance clauses elsewhere in Appendix A, which are consistently qualified 'with/at max payload': Please confirm the loading condition against which the 17-tonne limit is assessed, and whether the figure is a hard disqualifying limit or a design target with tolerance:	As per Appendix A of RFP
29	95	Commercial - Commercial Clauses	Para 1:4 (Payment to Indian Bidders), sub-para 1:4:7	Payment of taxes, duties and statutory levies on completed vessels will be made on submission of requisite documentary proof to the Paying Authority: Reimbursement of taxes and duties will be as per rates and amounts indicated in the Commercial Bid/Contract or as per actuals, whichever is lower:	Confirmation is requested on the mechanism for payment and reimbursement of taxes, duties and statutory levies on completed vessels, i:e: whether reimbursement will be as per the rates and amounts indicated in the Commercial Bid/Contract or as per actuals, whichever is lower.	As per RFP
30	111	Commercial - Evaluation Criteria and Price Bid Format	Para 1.2, sub-para 1.2.1	DCF technique will be applied on the quoted cost of all items, including taxes and duties payable to Central/State Government, to ascertain the NPV which would be used for determining L-1:	As per Appendix H price bid, it is mentioned that Sl: h Total Cost (Sl: a to g) will be used for determining L-1: May please confirm whether L-1 is to be determined with or without taxes and duties.	As per RFP and DAP 2020
31	132	Commercial - Pre-Contract Integrity Pact (refers Para 8:1)	EMD Bank Guarantee Format	EMD Bank Guarantee Format:	Please provide the beneficiary name and buyer name for issuance of the EMD BG.	Buyer Name is Joint Secretary & Acquisition Manager (Maritime and System), MoD, GoI as per Para 1 of Annexure I of Appendix J
32	23	Appendix A	Para 3(d)	Open Deck	Kindly confirm whether the SOAC is intended to deploy/operate any one at a time, or any combination, or all of the following simultaneously: (a) Fitment and operation of Aft Gun (b) Operation of UAS (Close-Range and Mid-Range) (c) Fitment and operation of Mission Based Weapons (Loitering Munition Ver 1:0, Spike Missile and Loitering Munition Ver 2:0) Request to provide the combination, if applicable	Para 1 & 2 of Appendix 'A' to RFP is relevant; Should be capable of providing full operational capability as and when required.
33	23	Appendix A	Para 3(f)	Gyroscopic Stabilisation System	(i) Kindly provide the NHQ nominated list of vendors for procurement of the Gyroscopic Stabilisation System: (ii) Kindly provide the SOTR / NSQR / specification for the Gyroscopic Stabilisation System:	Individual firms to identify vendors for the requirement as per RFP
34	26	Appendix A	Para 7(a)	Guns (Buyer Furnished)	Request to confirm that the Fire Control System, including the Remote Operator Console/Control Panel and other associated equipment required for gun remote firing for both forward and aft guns, will be supplied by Buyer/IN.	As per RFP

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35	26	Appendix A	Para 7(a)(i) & (ii)	Forward Gun	Kindly confirm that the gun mentioned at para 7(a)(i) and para 7(a)(ii) are the same	Yes as described in RFP
36	26	Appendix A	Para 7(a)(i) & (ii)	Forward Gun	Request to confirm that there will be no interface between EOIR and the Forward Gun for target acquisition.	Integration is required as per RFP
37	26	Appendix A	Para 7(a)(iii)	Aft Gun	(i) Request to confirm that there will be no interface between EOIR and the Aft Gun for target acquisition. (ii) Request to provide the limiting weight of the Aft Gun.	As per Para 7 (b) (ii) and 7 (a) (iii) of Appendix A
38	26-27	Appendix A	Para 7(b)(i)(aa)	Forward Gun Mounts	Kindly confirm that only the foundation/seat of the Forward Gun is to be supplied by the shipyard, and that the Forward Gun and its associated equipment/services (operator control panel, cables, installation material, OBS, STTE and service of engineers for connectorisation, STW, HATs, SATs) will be in IN scope of supply.	Confirmed as per para 7 of Appendix A of RFP. Installation/ integration will be the responsibility of the seller.
39	27	Appendix A	Para 7(b)(i)(ab)	Aft Gun Mount	Kindly confirm that only the foundation/seat and the gyro-stabilised gun mount of the Aft Gun are to be supplied by the shipyard, and that the Aft Gun and its associated equipment/services (operator control panel, cables, installation material, OBS, STTE and service of engineers for connectorisation, STW, HATs, SATs) will be in IN scope of supply:	As per RFP
40	27	Appendix A	Para 7(b)(i)(ab) & (ac)	Associated equipment for Gun Firing	Request to confirm that the gyro-stabilised universal type gun mount mentioned at para 7(b)(i)(ab) and the modular gyroscopic gun mount mentioned at para 7(b)(i)(ac) are the same item Further, Appendix A 7(b) specifies the aft gun mount as a 'gyro-stabilised universal type gun mount for 12:7 mm HMG or 7:62 mm gun. Would a single common gyro-stabilised mount design, rated for either calibre, across the forward and aft stations be considered as a value-engineering alternative - reducing the spares and training burden across the 10-unit fleet while meeting the stated firing-arc and integration requirements at both stations?	The mount is same that is gyro stabilised universal type gun mount as per par 7 (b) of Appendix A of RFP. As per RFP
41	27	Appendix A	Para 7(b)(ii)	Electro Optical Infra-Red (EOIR)	(i) Kindly provide the NHQ nominated list of vendors for procurement of EOIR: (ii) Kindly provide the SOTR / NSQR for EOIR	Individual firms to identify vendors As Per RFP
42	27	Appendix A	Para 7(b)(ii)	Electro Optical Infra-Red (EOIR): EOIR system feed integrated at Weapon Firing Station and Surveillance Panel:	Request to confirm whether an interface of EOIR with the FCS of the forward/aft gun is required, or whether only display units of EOIR are to be positioned in the Weapon Firing Station and Surveillance Station.	Integration required as per RFP
43	27	Appendix A	Para 7(b)(ii)	Electro Optical Infra-Red (EOIR): EOIR system feed integrated at Weapon Firing Station and Surveillance Panel:	Request to confirm the quantity of EOIR displays.	The quantity shall be decided by the firm as per requirements highlighted in RFP.
44	27	Appendix A	Para 7(b)(iii)	Weapon Fire Control Station at Integrated Controls Station	Kindly confirm that 'Weapon Fire Control Station' here means a post inside the Integrated Controls Station situated in the Enclosed Cabin, and not an external system.	Post inside Enclosed Cabin as per RFP
45	28	Appendix A	Para 7(b)(iv)	Ammunition Boxes	Kindly provide the size of all ammunition boxes required for stowage of belted ammunition.	Size of ammunition boxes will be as per requirement highlighted in Para 7 (a) and (b) of Appendix 'A' of RFP. The details will be provided during the design phase.
46	28	Appendix A	Para 7(b)(v)	Safety limiters for gun	Since both forward and aft guns are BFE, safety limiters should form part of the guns and be supplied by IN, with the shipyard installing the same with the assistance/support of the OEM: Request to confirm the same.	As per RFP, The guns will come with its standard Bill of Material. Installation/ Integration will be the responsibility of the seller.

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47	28	Appendix A	Para 8	Integration Aspects of Mission Based Weapons on SOAC	(i) Kindly confirm whether any one, or any combination, or all three of the following Mission Based Weapons will be deployed at a time: (a) Loitering Munition Ver 1:0 (b) Spike Missile (c) Loitering Munition Ver 2:0 (ii) Kindly confirm whether the GCS antenna for Loitering Munition Ver 1:0 and Ver 2:0 are the same or different: (iii) Kindly confirm that both firing and stowage space for Mission Based Weapons will be the Open Deck (4 m x 3 m): Further, Appendix A 8 specifies distinct firing-space / stowage envelopes for the Loitering Munition and the Spike Missile as separate reconfigurable fitments: Would a single common weapon-adapter interface (rail / bolt pattern) designed to accommodate either system interchangeably be acceptable, thereby reducing the number of distinct structural reinforcement zones required on a displacement-constrained hull?	(i) As per RFP. The deployment of fitment shall be capable of providing full operational capability as and when required. (ii) The GCS for both LMs will be different as indicated in Para 8 of Appendix A of RFP. (iii) Confirmed as per RFP. The stowage requirement shall cater for all features/ spaces highlighted as per RFP.
48	28	Appendix A	Para 8(a)	Loitering Munition Ver 1:0	Kindly confirm whether any foundation/seat is required for firing and stowage of Loitering Munition Ver 1:0:	As per Para 8 of Appendix A of RFP
49	28	Appendix A	Para 8(a)	Loitering Munition Ver 1:0	It is indicated that the weight penalty will be 22 kg per system: Please confirm whether each munition weighs 22 kg, or whether the complete system (consisting of 04 nos: munition and GCS) weighs 22 kg	One set of launcher and munition weighs 22 kgs. GCS weighs 30 kgs. The requirement as per Para 8(a) of RFP is of one GCS and four sets of launcher and munition.
50	28	Appendix A	Para 8(a)	Loitering Munition Ver 1:0	Kindly provide the dimensions and weight of the GCS antenna (BFE).	30 Kgs
51	28	Appendix A	Para 8(b)	Spike Missile	Kindly confirm whether the same gyro-stabilised gun mount will be used for both the Aft Gun and the Spike Missile.	Separate mounts for both the systems as per RFP
52	28	Appendix A	Para 8(b)	Spike Missile	Please confirm that the firing stand of the Spike Missile will be directly installed (bolted) on the gyro-stabilised gun mount meant for the Aft Gun	Separate mounts for both the systems as per RFP
53	28	Appendix A	Para 8(b)	Spike Missile	Kindly confirm whether any foundation/rack is required for stowage of the Spike Missile, or whether stowage will be by lashing arrangement:	As per RFP
54	28-29	Appendix A	Para 8(c)	Loitering Munition Ver 2:0 - 'weight penalty (including one missile and launcher)'	Does Loitering Munition Ver 2:0 contain any missile? Please confirm	As per details mentioned in Para 8 (c) of RFP. No misssile is inside LM Ver 2.
55	28-29	Appendix A	Para 8(c)	Loitering Munition Ver 2:0	Kindly provide the dimensions and weight of the GCS antenna (BFE):	75 Kgs Refers Para 8 © of RFP
56	31	Appendix A	Para 12(c)	Weapon Control Station	Please confirm that 'main feed' here means only the display/monitor of the EOIR system to be positioned in the Weapon Control Station, and that there will be no interface between EOIR and the Forward Gun for target acquisition.	Integration is requires as per Para 7(b)((ii) of Appendix A of RFP
57	32	Appendix A	Para 12(e)	Surveillance Station	Please confirm that 'feed of EOIR' here means the display/monitor of the EOIR system to be positioned in the Surveillance Station	Yes. As per Para 12(e) of Appendix A of RFP
58	39	Appendix A	Para 34	Mid-Range Unmanned Aerial System	(i) Kindly provide the NHQ nominated list of vendors for procurement of the Mid-Range Unmanned Aerial System (ii) Kindly provide the SOTR / NSQR for procurement of the Mid-Range Unmanned Aerial System	Individual firms to identify vendors as per requirement of RFP

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59	42	Appendix A	Para 34(e)(v)		Request to confirm the capacity of spare batteries / fuel	Batteries same as main batteries of UAS. Stowage cans for spare fuel storage for engine based UAS Para 34(e)(v) of Appendix A of RFP refers
60	42	Appendix A	Para 35	Close-Range Unmanned Aerial System	(i) Kindly provide the NHQ nominated list of vendors for procurement of the Close-Range Unmanned Aerial System (ii) Kindly provide the SOTR / NSQR for the Close-Range Unmanned Aerial System	Individual firms to identify vendors as per requirement of RFP
61	44	Appendix A	Para 35(e)(v)		Request to confirm the capacity of spare batteries/ fuel	Batteries same as main batteries of UAS. Stowage cans for spare fuel storage for engine based UAS Para 35(e)(v) of Appendix A of RFP refers
62	37	Appendix A	Para 28(d)	Power Supply	Request to confirm that the starter and Local Control Panel IP rating will be in accordance with Classification Rules.	As per RFP
63	37-38	Appendix A	Para 29	Miscellaneous	Request to confirm the following: (a) AFDS will be as per Class: (b) Bilge alarm system will be as per Class:	As per RFP
64	31	Appendix A	Para 12(a)	Integrated Control Station	Request that details of 'associated machinery', i:e: auxiliary machinery that will be interfaced with the M/C Control Station for monitoring and/or control, be indicated.	As per Para 12 (a) of RFP
65	29	Appendix A	Para 9	Navaids	(a) Please confirm the quantity of repeater displays for Echosounder, EM Log, Gyro and Radar. (b) Please confirm the required quantity of multifunction consoles and displays. (c) Please provide the nominated make and model for Navaids, i:e: Echosounder, EM Log, Gyro and Radar, or confirm whether these items can be COTS sourced from the open market.	(a) One each as per Para 9 of Appendix A of RFP. (b) One, As per details of Annexure II to Appendix A. (c) COTS items, Specifications as per Annexure II to Appendix A
66	29	Appendix A	Para 9(d)	One gyro compass (capable of maintaining position without GPS input with error <= 01 nm in 72 hours): Heading accuracy +/-02 deg:	Please confirm whether the recommended gyro is a Type-I or Type-II gyro as per the latest IN policy, and provide the make and model for the gyro.	As per capability required as mentioned at Para 9(d) of Appendix A of RFP
67	30	Appendix A	Para 10(c)	SATCOM - 01 x MSS MII SOR	Please clarify the term 'SOR' and confirm whether the required MSS equipment is a fixed type 'MSS Tx Rx MII' or an 'MSS SOM' (System-on-Module) portable hand-carry set.	SOR stands for Special Operations Rhib. The MSS Mk II as per RFP is the portable MSS Mk II to be integrated with SOAC with provision of antenna placement for the same.
68	30	Appendix A	Para 10(b)	Intra boat communication	(a) Please provide the scope of intra-boat communication for platform communication. (b) Please confirm the requirement of interfacing the intra-boat communication system with an external system. (c) Please confirm the requirement of an auto telephone system and a sound-powered telephone system.	Noise cancelling headsets with multiple input ports for internal as well as external communication as per RFP
69	27	Appendix A	Para 7(iii)(ab)	(aaa) High Definition Day Camera - resolution 1028 x 768 pixels or above, optical zoom of not less than 30x and digital zoom of not less than 12x: (aab) IR Thermal Camera - resolution 640 x 512, cooled or above, for use in day and night:	(a) Kindly provide the quantity of cameras and operating stations: (b) Kindly provide the detailed technical specifications of the cameras (e:g: PTZ camera or fixed camera, required camera recording period, recording frame rate (FPS), IP rating, any power backup, display size).	Quantity and tech specs as per Para 7(b) (ii) of RFP

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70	25	Appendix A	Para 6(d)	Area of Operation & Environmental Condition	The area of operation is stated as 'Indian Ocean Region', but the ambient temperature is mentioned as 0 deg C to 50 deg C: An ambient of 50 deg C appears too high; 41 deg C appears realistic: Maximum relative humidity is mentioned as 100% at 35 deg C, which implies a moist air enthalpy of 128:9 kJ/kg of dry air, which is unrealistic: An enthalpy of 100 kJ/kg of dry air may be considered, which gives 70% RH at 35 deg C. Further, please confirm whether the 0-50 deg C ambient air and 100% RH at 35 deg C figures are the binding design point, so that HVAC sizing and electronics de-rating can be established against the correct envelope from the outset.	As per RFP
71	35	Appendix A	Para 22(a)	Propulsion	It is mentioned that 'the waterjet shall comply with IN approved SOTR': Request that the SOTR be provided to the shipyard.	As per Part 22 (a) of Appendix A of RFP. SOTR is available on IN official portal
72	22	Appendix A	Para 3(b)	Enclosed Cabin	Elaboration on the requirement of climate control for the cabin is requested. The components expected to meet the climate control requirement are requested to be specified.	As per RFP
73	36-37	Appendix A	Para 25 & 28	Diesel Generators	Request that IN provide a suitable vendor list for diesel generators in compliance with Para 25 and Para 28 of the RFP.	Individual firms to identify vendors
74	38	Appendix A	Para 30	Batteries	Battery supply can be catered for at most Navigation & Communication items, emergency lights, engine starting, fire detection etc; however, running of heavy loads such as bilge pump and marine air conditioning from battery is not envisaged. IN to confirm the same.	As per requirements mentioned at Para 30 of Appendix A of RFP
75	38	Appendix A	Para 31(a)	Equipment/ Lighting	The preference towards usage of single-core cable for lighting circuits is not understood. Shipyard standard is to use two-core cables for the lighting system.	As per RFP
76	31	Appendix A	Para 10(e)(v)	02 sets Alphanumeric Flags	The number of flags in each set may be specified.	As per international standards
77	32	Appendix A	Para 13	Towing Arrangement	Towing of only a similar boat is envisaged. Request confirmation.	for being towed in case of any issue while at sea as per RFP
78	32	Appendix A	Para 14	Fuelling at Sea	A fuelling point with flange / sleeve joint is envisaged. Any special accessories / equipment required may be specified.	As per RFP
79	32	Appendix A	Para 15(c)	Henriksen Release Hooks	A type-approved automatic release hook of any reputed make should be acceptable. Request confirmation.	As per RFP
80	32	Appendix A	Para 15(d)	Adequate sling / cargo nets	Quantity and SWL may be specified.	As per RFP
81	33	Appendix A	Para 15(f)	One compatible road trailer for every two SOAC is mandatory. The trailer should be configured to undertake slipway launch.	The requirement is not understood. May be deliberated. Further, Appendix A 15 requires 2 x Henriksen release hooks, chokes/cradle, and one compatible road trailer for every two SOAC. Please confirm whether the road trailer is a per-contract deliverable (5 trailers for 10 craft) to be priced and supplied by the bidder, or Buyer-furnished equipment, and whether trailer design / compatibility drawings are to be submitted with the technical bid.	The requirement is self explanatory as per RFP, mentioned at Para 15 of Appendix A of RFP. All items mentioned in RFP as deliverable to be priced as mentioned in Para 2 of Appendix H (including accessories)
82	33	Appendix A	Para 16	Anchors & Berthing	Only PP rope of the desired size and quantity (as per equipment number) is envisaged. Request confirmation.	As per RFP
83	34	Appendix A	Para 21	Recommended type hull material should be class-approved marine grade composite with carbon fibre:	May confirm acceptability of composite without carbon fibre, or of aluminium.	As per RFP
84	61	Appendix C	Warranty	Warranty period - 24 months: Warranty period for all SOACs and UAS would expire together post completion of 24 months from the date of acceptance of the last batch of SOACs and UAS:	As per normal practice, the warranty period is 12 months and is effective from delivery of goods. Hence, the warranty period of 24 months should run from the delivery of each SOAC and UAS.	As per RFP

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85		Appendix F	Para 15	Removable seats (Make: Ullman or equivalent)	Ullman is a Swedish company. Indigenous seats with a suspension system should be acceptable.	Ulman or **Equivalent**' as per RFP
86	61	Appendix C	Cl: 1, Cl: 3, Cl: 4 & 5	Warranty Clause	Cl: 1 - A line may be inserted if there is any BNE item. 'In case of BNE items the warranty provided by the OEM shall be passed on only Cl: 3 - The 14 days' time period may be requested to be extended to 30 days. Cl: 4 & 5 - The implication may be checked by the dealing department.	As per RFP
87	92	Appendix G	Cl: 1:3:3		It is proposed that an Indemnity Bond be accepted instead of a BG: If not, then the Performance-cum-Warranty BG amount calculation should be on the base price of the contract and not on the taxes and duties which the Builder has to pay to the Government authorities:	As per RFP
88	96	Appendix G	Cl: 5		The upper limit of LD is @10%: We request freezing the upper limit of LD at 5%:	As per RFP
89	134	Appendix K	Cl: 3 & 4		Cl: 3 & 4 to be replaced with the AMRCD clause as inserted in other MoD tenders (arbitration replaced with AMRCD in view of DPE OM dated 14:12:2022):	As per RFP
90	134	Appendix K	Cl: 5:2		Cl: 5:2 - The words 'Pandemic & Lockdown' may be included:	As per RFP
91	25	Appendix A	Sl: No: 5(a) and 5(b)	Max speed not less than 40 kn at 85% MCR with sprint speed not less than 45 kn (5(a)); endurance not less than 400 nm at 30 kn cruise (5(b)).	Please confirm whether these figures are to be demonstrated at full operational load (8 personnel, full weapons and ammunition, full UAS/EW complement, full ballistic protection) or at a lighter trial condition, and whether the 400 nm endurance figure already assumes the IN's stated fuel reserve philosophy (RFP Para 23: 10% normal plus 15% optional extended) or a different reserve basis.	Full operational load as per RFP
92	30	Appendix A	Para 10	Communication: List of BFE/BNE equipment - SPOCs, SDR (FP)/(MP)/(HH) via Bharat Electronics, MSS Mil SATCOM, ISAT phone:	Please confirm the physical interface specifications (connector types, power budget, mounting envelope, data protocol) for this BFE, so that integration space and power can be reserved in the integrated control station design ahead of Field Evaluation Trials:	Individual firms to liaise with respective OEMs
93		Appendix A		Statutory pollution-prevention equipment fit is not expressly addressed in the RFP	Please confirm that no MARPOL Annex I/IV/V equipment fit (oily water separation, sewage treatment, garbage management) is required for the SOAC, consistent with its status as a government-owned, non-commercial-service craft under MARPOL Article 3(3).	As per class requirements mentioned in RFP
94	36	Appendix A	Sl: No: 24(a) and 26	NOVEC 1230 is specified as the fixed engine-room firefighting agent (24(a)); one each electric and hand-operated bilge pump is required (26):	Please confirm that both are hard requirements and not subject to an 'or equivalent' provision, so that the technical proposal can specify the exact agent and pump configuration required rather than a generic equivalent	As per Para 24 of Appendix A of RFP
95	39	Appendix A	Sl: No: 33	A dedicated CASEVAC medical rack (BP/ECG monitor, defibrillator, trauma kit, O2 cylinder, stretcher) is required to be fitted inside the enclosed cabin	Please confirm the required stowage envelope and location relative to the Integrated Control Station, so that this can be allowed for in the cabin layout from the concept stage rather than as a late addition	As per RFP
96		Appendix A; Section J - Unmanned Aerial System	Sl: No: 34(f); 34(d)(iii)-(iv)	Mid-Range UAS is scaled at 1 per 2 SOACs (5 total) and Close-Range UAS at 1 per SOAC (10 total):	Given the substantial weight, deck-space and GCS-integration impact of the Mid-Range UAS COMINT/ELINT/EW payload package (Appendix A 34(d)(iii)-(iv)), would a phased UAS integration approach be considered - the SOAC delivered UAS-ready (structural, power and data provision complete), with UAS hardware integration following as a defined follow-on milestone - so as to de-risk the primary delivery schedule without changing the total UAS scope delivered?	As per RFP
97		Appendix A	Para 8	Integration aspects of Mission Based Weapons on SOAC	We request your good office to kindly guide us on the exact scope of delivery of Loitering Munition Ver 1.0, Spike Missile and LM Ver 2.0.	As per Para 8 of Appendix A of RFP

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98	15	Part II	Para 33		Field Evaluation: Since the equipment propsosed is a complete SOAC incorporating imported propulsion systems, combat systems, sensors and mission equipment, deployment of demonstration boat for FET involves substantial mobilisation, logistics, insurance, customs, commissioning, manpower and restoration costs. It is requested that eirther (a) FET be limited to paper evaluation, factory acceptance demonstration, sea trials of an existing operational vessel, or simulation/model demonstration, or (b) the Buyer reimburse the actual mobilisation and demobilisation costs in case physical FET is required. The current clasue imposes an open-ended financial obligation on bidders without defining the extent of trials or associated liabilites. For a high-value defence platform, arranging a complete demonstration craft solely for evaluation is commercially impractical and may discourage wider participation.	FET requirement remains the same as per para 33 of Part II of RFP
99	22	Appendix A	Para 3		Speed Tests - While 40 knots at SS 1 is demonstrable a 17 m boats being capable of 20 knots at SS4 is imp-ractical, particularly since other external factors, such other external factors, such as wave period, wave direction, wind direction and speed are involved at SS 4. This requirement may be reconsidered.	The requirement of speed remains same as per para 3 of Appendix A of RFP
100	24	Appendix A	Para 4(d)		Displacement 17 T seems to be too less considering the Payloads and Buyer furnished Items, armaments, Mission Based Weapons. It is requrested to review and clarify the maximum displacement limit of 17 tonnes. Considering the cumulative weight of the prescribed payloads, including Buyer Furnished Equipment (BFE), armament and ammunition, mission-specific weapon systems, sensors, communicaiton equipment, ballistic protection (if applicable), fuel, crew, stores and other mandatory outfit specified in the RFP, achieving the stipulated displacement while simultaneously meeting the specified performance, endurance and stability requirements may not be technically feasible. It is requested that the displacement limit be revised (17T + 15%)	The displacement requirement remains the same as per para 4 (d) of Appendix A of RFP
101	23	Appendix A	Para 3(f)		Gyro stabilization of a 17 m boat will add to weight. It is recommended that gyro stabilization of the weapon system only be considered.	The gyroscopic stabilisation system in a modular arrangement required as per Appx A of RFP
102	25	Appendix A	Para 5(a)		It is requested to clarify the acceptance criteria and trial methodology for demonstrating the specified speed requrements. Kindly confirm that the continuous speed of 40 knots at 85% MCR and sprint speed of 45 knots shall be demonstrated during contractural sea trials in Sea State 0 or calm waters under specified environmental conditions, including vessel loading condition, fuel level, crew complement, wind and current limits.	As per RFP
103	25 , 33	Appendix A	Para 5(c) 17(a) (b)		Clarify the total number of crew members and embarked personnel for whom shock mitigating seats are required.	As per Para 5 (c) and 17(a) (b) of RFP

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104	25	Appendix A	Para 6(b)		It is requested to specify the required sustained (continuous) operating speed and the corresponding duration of operation. Kindly clarify whether the vessel is required to continuously operate at 40 knots (85% MCR) or at any other specified speed for a defined period, along with the applicable loading condition and environment conditions.	All requirements are deliberated in RFP
	26		Para 7		Indicate the weights, dimensions, power requirement or specifications of Buyer furnished Armament and Mission Based Weapons	Relevant details for designing are mentioned in Para 8 of Appx A of RFP
105	27	Appendix A	Para (ii)		Clarify whether a COTS marine-grade EO/IR system meeting all the specified functional, environmental, operational and interface requirements of the RFP will be acceptable.	The requirements of EO/IR to be met as per 7 (b) (ii) of Appx A of RFP
106	27,31	Appendix A	Para (iii) 12 (c)		The Weapon Fire Control Station forms an integral part of the weapon system and is normally supplied by the weapon OEM/Buyer to ensure compatibility, software intefrity and security. Clearly defining the responsibility split between Buyer and bulider will eliminate ambiguity in scope, costing, system integration and acceptance during commisioning. It is requested to clarify whether the Weapon Fire Control Station (WFCS), including all associated consoles, displays, control units, software and weapon interface electronics, shall be supplied by the Buyer as part of the Buyer Furnished Equipment (BFE)/ Buyer Furnished Armament. The Bidder's scope may kindly be limited to providing the necessary foundations, space reserviation, power sypply, cable routing, network interfaces and integration provisions for installation of the Buyer-supplied system.	As per Para 7 (b) (iii) of Appx A of RFP, to be provided by SOAC manufacturer.
107	29	Appendix A	9		Navaids: NHQ/DSR policy letter 'WP/0204 dated 17 Feb 14' and 'WP/0204 dated 07 Mar 19' (or latest as applicable)- To be provided.	The policies is placed at Annexure II to Appendix A of RFP
108	30	Appendix A	10 (c)		It is requested to specify the nominated SATCOM OEM, model and detailed technical specifications, including applicable military standards, frequency bands, antenna configuration, encryption/security requirements, interfacxes and environmental requirements. Further, considering the SATCOM is a mission-critical communication system dircetly related to operational readiness, interoperability and secure communications, it is requested that the complete SATCOM system be provided by the Buyer as Buyer Furnished Equipment (BFE), with the Bidder's scope limited to providing structural foundations, power supply, cabling and integration provisions.	As per RFP SATCOM is BNE. OEM for MSS Mk II - M/s Avantel OEM for ISAT - COTS
109	32	Appendix A	(c) (iii)		Auto tracking, locking on and guiding fire control system through a EO system has limitations as the target will not always be in line of sight due to the low height of the EWO camera on a 17 m boat. This requirement may therefore be reconsidered.	As per RFP
110	32	Appendix A	(e)		Kindly elaborate this requirement.	As perpara 12 RFP.

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111	32	Appendix A	13		Specify the design requriements for the towing arrangements, including the Safe Working Load (SWL)/ Minimum Breaking Load (MBL), intended towing and towing-off operations.	Design requirements for towing arrangement will be as per RFP
112	35	Appendix A	22(a) (d)		Kindly share the following: Def Stan 02-313 for the Main Engine Shock Policy EG/5522/POLICY dated 16 May 07	The policies are generally available with boat manufacturing OEMs. Will be forwarded in pdf formats to all participating vendors
113	35	Appendix A	23		Tank Capacities: It is recommended to optimize the fuel capacity requirement by reducing the required fuel reserve from 25% to 10% for coastal operations. This revision would reduce vessel displacement, preserve structural weight and payload margins, and improve the vessel's ability to archieve the required high-speed performance. Accordingly, minimizing unnecesary displacement is a fundamental design objective for high-speed craft. Optimizing the required fuel reserve helps reduce vessel displacement while supporting the intended speed, payload capacit, and overall operational efficiency.	As per RFP
114	36	Appendix A	24(a)		Our understanding is that the NOVEC 1230 has been either discontinued commercially or expected to discontinue soon. In such case, product support for 12 years from the delivery of the last SOAC cannot be assured. Kindly confirm wether an equivalent Marine Class Approved Fire Suppression System complaying with the specified perormance requirements would be acceptable.	Requirements to be met as per RFP

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115	36	Appendix A	25		It is recommended to eliminate the requirement for two main DGs. Instead, the emergency power system should consist of: -Main diesel generator - 1. Portable emergency generator of lower capacity for communication / dewatering purposes. A dedicated 24 V DC emergency battery bank to supply essential emergency loads. This arrangement reduces machinery space requiremnts, minimizes vessel weight, and preserves valuable internal volume for propulsion equipment and other mission-critical systems. Indian Register of Shipping (IRS) The proposal is also consitent with the Indian Register of Shippling (IRS) - High Speed Craft Rules (July 2016), Chapter 13, Section 3, which states that the emergency source of electrical power may be either a generator or an accumulator battery. A properly sized 24 V DC emergency battery bank can supply essential emergency services, including: -Emergency lighting Communication equipment Bilge pumps Other essential emergency loads	As per RFP
116	39	Appendix A	34		Considering that Unmanned Aerial System (UAS), Payloads, COMINT, ELINT, SAR GCS, Close Range UAS, Payloads Relay Communication, GCS are mission-critical systems directly related to operational readiness, interoperability and secure communications, it is requested that aforementioned system and equipments be provided by the Buyer as Buyer Furnished Equipment (BFE), with the Bidder's scope limited to providing structural foundations, power supply, cabling and integration provisions.	As per RFP

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117	108	Appendix G	1		Delivery Schedule: Kindly review the delivery schedule and confirm whether the milestone schedule may be rationalised to adequately account for Model Testing, design approvals, Mound making, long-lead procuremnet, quality assurance activities and supply-chain constraints. Accordingly, the project delivery milestones and Liquidated Damages Terms & Conditions may be reviewed and amended. Therefore, it is requested to consider issuance of a Latter of Intent (LOI) to the successful bidder for undertaking Model Testing and completion of associated design documentation prior to signing of the Contract (T0). This approach would substantially reduce project execution risk and ficilitate execution of the Contract based on an approved and validated design. Kindly clarify that delays attributable to Buyer furnished Equipment shall not constitute to the Shipbulider. Consequently, such delays should not attract Liquidated Damages or adversely impact contractual delivery milestones, provided the Shipbuilder has fulfilled all obligations within its scope of work.	The delivery schedule will be as per RFP