

INTEGRATED HEADQUARTERS OF MINISTRY OF DEFENCE (NAVY)
DIRECTORATE OF STAFF REQUIREMENTS (DSR)

INVITATION FOR EXPRESSION OF INTEREST (EOI)

INDIGENOUS DEVELOPMENT OF
AUTONOMOUS SURFACE VESSEL – MINE COUNTER MEASURE
PROJECT ASV-MCM

File No. WP/1531/ASV-MCM

15 Mar 23

Reference : Defence acquisition Procedure 2020

Appendices & Annexures:

- Appendix A** : Indigenous Content Aspect.
- Appendix B** : IPR of Government.
- Appendix C** : Association of Persons Agreement.
- Appendix D** : Evaluation of Financial and Commercial Criteria.
- Appendix E** : Evaluation of Technical Capability Criteria.
- Appendix F** : Information Performa
- Appendix G** : Certificate.
- Appendix H** : Format for Project report
- Appendix J** : PSQRs of ASV-MCM

Introduction

1. Indian Navy has been focusing on developing indigenous platforms, equipment and systems towards achieving enhanced self-reliance. This Expression of Interest (EOI) invites responses from eligible Indian Companies for project 'Autonomous Surface Vessel – Mine counter Measure' here and after referred as ASV-MCM for Indian Navy. The present proposal for development of ASV - MCM under 'Make II' sub category of the 'Make' category is termed as 'Project ASV-MCM'. **Project ASV-MCM is designed to provide certain operational capabilities to the Navy.** The Ministry of Defence (MoD), Govt of India, shall own Project ASV-MCM. The information regarding the project will be shared strictly on 'Need to Know' basis. The prototype (Qty 01) development of ASV-MCM and prototype (Qty 01) control station has been approved as 'Make II' category project. Subsequent procurement will be under the 'Buy (Indian-IDDMM)' category.



Objective

2. The objective of this Eoi is to seek responses from eligible Indian industries and to shortlist potential companies. Responses to Eoi will be evaluated as per the assessment criteria given in the Eoi. Project shall be progressed even if only one Eoi respondent is found meeting eligibility criteria.

Layout

3. The Eoi has been covered under the following parts:-

- | | | | |
|-----|-----------|---|--|
| (a) | Part I | - | General Information |
| (b) | Part II | - | Technical Requirements |
| (c) | Part III | - | Critical Technology Areas |
| (d) | Part IV | - | Guidelines for formation of Association of Persons (AOP) i.e. consortium |
| (e) | Part V | - | Eligibility Criteria |
| (f) | Part VI | - | Assessment Parameters |
| (g) | Part VII | - | Evaluation Criteria of Assessment Parameters |
| (h) | Part VIII | - | Documents to be submitted by EOI Respondents |
| (j) | Part.IX | - | Queries and Clarifications |
| (k) | Part X | - | PSQRs of ASV-MCM |

PART I: GENERAL INFORMATION

4. The project of indigenous development of AUTONOMOUS SURFACE VESSEL – MINE COUNTERMEASURES (ASV-MCM) has been approved under the 'Make II' category for prototype development of (01 No.) and for subsequent procurement under the 'Buy (Indian-IDDMM)' category as per DAP 2020. Details of the stages involved in the development process are enumerated in Chapter III of DAP 2020. The progress of the project will be monitored by the Project Facilitation Team (PFT) of Indian Navy/ MoD constituted for the purpose. PFT will act as interface between Indian Navy and Industry during the design and development stage of the project. **No reimbursement of development cost is permissible under Make II scheme.**



5. **Eligibility to Respond to an Eol as Individual Entity or as Consortium.** The Eol can be responded to, at the option of an Eol recipient, by any of the following entities:-

- (a) Individual Eol Recipient; or
- (b) **Association of Persons (AoP)** i.e. Consortium of Indian Companies consisting of two or more than two EOI recipients undertaking joint and several liability and an Eol Recipient designated as the lead member through a '**Association of Persons (AoP) Agreement**'. All Eol Recipients as the members of the AoP will sign the contract with MoD. This Agreement will be applicable for the entire project including but not limited to Production Phase and Lifecycle/Technology Refresh Contract placed by MoD, if any.

6. **Indigenous Content.** In accordance with Para 8 of Chapter 1 of DAP 2020 products indigenously designed, developed and manufactured should have minimum of 50% Indigenous Content (IC) on cost basis of the Base contract Price. Apart from overall IC as detailed above, the same percentage of IC will also be required in (a) Basic Cost of Equipment; (b) Cost of Manufacturers "Recommended List of Spares (MRLS); and (c) Cost of Special Maintenance Tools (SMT) and Special Test Equipment (STE), taken together at all stages, including trial stage. For IC on cost basis, vendor should ensure compliance as detailed in **Appendix A**.

7. **Intellectual Property Rights (IPRs).** Intellectual Property Rights of Government in "Make" projects is placed at **Appendix B**. Development Agency/ Agencies (DA/ DAs) shall retain title or ownership and all other rights in intellectual property generated during the development of project. However, the Government shall have March-in rights under which the Government can require the contractor to grant, or may itself grant license for, inter alia, the following reasons:-

- (a) Where health and safety requirements so require the Government to act in public interest;
- (b) For National Security Reasons;
- (c) To meet requirements for public use not reasonably satisfied by the contractor;
- (d) For failure of the contractor to substantially manufacture the products embodying the subject invention in India; or
- (e) For failure of the contractor to comply with any of the requirements laid down under these guidelines.

8. **Foreign Collaboration.** If the DA(s) collaborate(s) with a foreign firm as a technology provider in a certain technology area for the project, the nature of such collaboration and the technology areas being transferred must be clearly stated in the response. The contribution of the Indian industry in acquiring, developing and indigenising critical technologies shall be one of the key criteria in assessment of



various proposals. Transfer of Technology guidelines as enumerated in Appendix F to Schedule I to Chapter II of DAP 20 are to referred for additional references.

9. No component or any sub system of ASV-MCM shall be subjected to any type of inspection or audit by any Foreign Govt or Agency without prior approval of MoD, Govt of India.

10. A trusted supply chain that will include the engineering support requirements would be established for all components of ASV-MCM. All documents related to the ASV-MCM project are liable to be audited by Indian Govt or its nominated agency.

11. Detailed information about blacklisting of the company/ consortium partners and foreign technology partner by any Govt Agency in India/ any other country would be provided as part of the response. Companies currently blacklisted by any Indian Govt Agency are ineligible for participation. Any such information not disclosed but revealed at a later stage would render the Company/ Consortium ineligible for further participation.

12. **Time frames and critical activities.** The important time frames and critical activities for the project ASV-MCM is as follows:-

Ser	Activity	Time in weeks from EOI issue
(b)	Eol Response submission	8
(c)	Eol Response Evaluation	6
(d)	Issue of Project Sanction Order	2
(e)	Prototype Development	104
(f)	Single stage composite trials	4
(g)	Acceptance of trial report	3
(h)	Conversion of PSQRs to SQRs	2
(h)	Issue of Commercial RFP	2
(j)	Solicitation of Commercial Offer	4
(k)	Finalisation of CNC	4
(l)	Signing of contract	2

13. **Milestones of the Project.**

(a) **Evaluation of Eol Responses.** Eol responses will be evaluated in accordance with assessment parameters and evaluation criteria as given in Part VI & VII of this Eol. All the shortlisted companies will be called Development Agencies (DAs). Project shall be progressed ahead even if only one Eol respondent is found meeting the eligibility criteria.

(b) **Project Sanction Order.** PFT will issue Project Sanction Order for the development of prototype with **Nil** financial implication for Indian Navy/ MoD. In case of only single vendor having offered the prototype within timelines stipulated in the Project Sanction Order, not more than two time extensions will be accorded and thereafter the case will be progressed as resultant Single Vendor Case (SVC).



(c) **Design and Development of Prototype**. PFT will act as the primary interface between the Indian Navy and the industry during the design and development stage under Make-II subcategory projects and facilitate the following:-

- (i) Finalisation of trial methodology.
- (ii) Provision of requisite professional inputs/documentation to industry.
- (iii) Providing clarifications related to functional or operational aspects of the equipment under development, as may be sought by the DAs from time to time, during the design and development of prototype.

(d) **Single Stage Composite Trials**. User trials would be carried out by the Indian Navy to validate the performance of the system, against the parameters/specifications approved, after the development of prototype. Indian Navy will formulate the trial directives and constitute the Trial Team. The 'trial directive' will specify the fundamental points that need to be addressed for validating the 'essential' parameters. The validation of the support system and maintainability trials, integral to and complimenting the trial programme of the defence equipment/ upgrades/ product/ system will be held simultaneously, wherever feasible. The user can recommend modification to the system for ease of handling and its maintainability. Based on the User Trials, the Indian Navy would carry out a Staff Evaluation, which gives the compliance of the demonstrated performance of the equipment vis-a-vis the SQRs. On acceptance of Staff evaluation report, the SQRs shall form the basis for the 'Buy (Indian-IDDM)' category of acquisition. If the prototype of only a single firm/individual clears the trials will be progressed as resultant single vendor.

(e) **Finalisation of SQRs**. PFT will facilitate the finalisation of SQRs based on inputs from the DAs during the development stage, prior to commencement of user trials. The SQRs of the equipment would thereafter be a part of the trial directives, and only the essential parameters as detailed in the SQRs will be tested.

(f) **Solicitation of Commercial Offers**. A commercial Request for Proposal (RFP) for 'Buy (Indian-IDDM)' phase, will be issued to all Development Agencies for submission of their commercial offer prior to commencement of User trials.

(g) **Award of Contract**. Commercial Offers of only those vendors will be opened whose equipment has been short-listed consequent to Staff Evaluation and the L1 bidder would be determined based on the provisions of the Commercial RFP and awarded the contract for manufacture.

14. Once the prototype is successfully validated, Ten (10) such systems shall be procured by MoD, Govt of India under Buy (IDDM) category. Delivery of ASV-MCM shall be in a phased manner.



15. Other successful development agencies that have developed the prototype successfully but have not qualified as L1, would be issued a certificate by DDP indicating that product/ system has been successfully trial evaluated.

16. **Multiple Technological Solutions**. Not Applicable.

PART II: TECHNICAL REQUIREMENTS

17. The Technical requirements from the project are as per Preliminary Staff Qualitative requirements (PSQRs). Copy of the PSQRs is at **Appendix J**.

PART III: CRITICAL TECHNOLOGY AREAS

18. The capability assessment of the Development Agencies DAs will largely depend on their ability to design and develop critical technologies like inertial navigation system, control systems, high performance batteries, charging systems, software, transducer, power amplifiers, associated electronics and the ability to absorb the same if obtained from any other agency. It is imperative that the project attains a higher technological threshold and minimises the dependence on foreign technology partners. **The contribution of the Indian industry in acquiring and developing technologies in critical areas shall be a key criterion in assessment of the proposal.**

19. The assessment of critical technologies for the Project ASV-MCM offered by the DA(s)/Consortium must be supported with all Rights and Licenses (IPR) as mentioned at **Appendix B**.

PART IV: GUIDELINES FOR FORMATION OF ASSOCIATION OF PERSONS(AOP) OR CONSORTIUM

20. Where an AoP/Group of EoI recipients ("Consortium") comes together to implement the project in accordance with the mechanisms outlined under Para 18 above, there must exist, at the time of responding to EoI, an '**Association of Persons (AoP) Agreement**' to form an AoP i.e. Consortium to execute and implement the complete "Make" project.

21. Where the EoI Respondent is an AoP/Consortium, it shall, while responding to the EoI, comply with the following additional requirements:-

- (a) Number of members in a consortium shall not exceed 05 (five).



(b) The EoI Response should contain requisite information for each member of the AoP/Consortium.

(c) Members of the AoP/Consortium shall nominate one member as the Lead Member (the "Lead Member").

(d) The EoI Response should include a description of the roles and responsibilities of individual members, particularly with reference to production arrangements in India and R&D activities for which IPRs will vest with MoD as per **Appendix B**.

(e) An individual EoI respondent cannot at the same time be member of an AoP/Consortium responding to the EoI. Further, a member of a particular responding AoP/Consortium cannot be member of any other Consortium responding to the EoI.

(f) Members of the AoP/Consortium shall enter into a legally binding Agreement, substantially in the form specified at **Appendix C** for the purpose of responding to the EoI. The Agreement to be submitted along with the EoI Response, shall, *inter alia*:-

(i) Form the basis for the AoP members to enter into a contract and perform all the obligations of the Development Agency in terms of the contract, in case a development contract to undertake the "Make" Project is awarded to the Consortium;

(ii) Clearly outline the proposed roles and responsibilities, if any, of each member;

(iii) Include a statement to the effect that members of the AoP/Consortium shall be liable jointly and severally for all obligations of the development agency in relation to the "Make" Project as required under these Guidelines.

Change in Membership of a Consortium

22. Change in the composition of an AoP/Consortium will not be permitted after the submission of EoI responses until the award of a Development Contract for Prototype Development.

23. Where the EoI Respondent is an AoP/Consortium, change in the composition of a Consortium AoP may be permitted by the Authority after the award of a development contract only where:-

(g) The Lead Member continues to be the Lead Member of the AoP/Consortium and shall not be changed under any circumstances;

(h) The non-lead substitute member(s) shall continue to meet eligibility criteria for membership of an AoP/ Consortium;



- (i) The new Member(s) expressly adopt(s) the EoI Response and the Development Contract already made on behalf of the AoP/Consortium as if it/they were a party to it originally and is/are not a Member of any other Consortium short-listed for the "Make" Project, while undertake the joint and several or joint liabilities (as applicable) of the member it/they are replacing.
24. Any change in the composition of an AoP/Consortium shall require prior approval of MoD/ DDP.
25. The approval to such changes shall be at the sole discretion of MoD/ DDP and must be approved by them in writing for the approval to take effect.
26. The modified AoP/Consortium/Partners shall submit a revised 'Association of Persons Agreement'.

Miscellaneous Provisions

27. Any violation of any of the guidelines by any company shall render it liable to initiation of proceedings for suspension and/or banning of business dealings as per the Guidelines for Putting on Hold, Suspension, Debarment and any other penal action on the Entities dealing with the Ministry of Defence, as promulgated by Government from time to time, will be applicable on procurement process and bidders.

PART V: ELIGIBILITY CRITERIA

28. Indian entity satisfying all of the following criteria shall be considered as eligible 'Indian Vendor' for issue of EoI by the PFT:-
- (a) An Indian entity, which could include incorporation, ownership models as per Companies Act, Partnership Firm, Proprietorship and other types of ownership models including societies as per relevant laws, complying with, besides other types of ownership models including societies as per relevant laws, complying with, besides other regulations in force, and the guidelines/licensing laws complying with, besides other regulations requirements stipulated by the Department for promotion of industry and internal trade (DPIIT) as applicable.
- (b) **Ownership by Resident Indian Citizen(s)**. Further, a company is considered 'owned' by resident Indian Citizens if more than fifty percent (50%) of the capital in it is directly or beneficially owned by Resident Indian Citizens and/or Indian Companies, which are ultimately owned and controlled by resident Indian Citizens. This implies that the maximum permitted Foreign Direct Investment (FDI) shall be forty nine (49%). No Pyramiding of FDI in Indian holding companies or in Indian entities subscribing to shares or securities of the Applicant Company or the Strategic partner shall be permitted.



Indirect foreign investment shall be accounted for in counting the forty nine (49%) FDI.

(c) **Control by resident Indian Citizen(s) (as defined in Companies act 2013).** 'Control' shall include the right to appoint majority of the directors or to control the management or policy decisions including virtue of their shareholding or management rights or shareholders agreements or voting agreements.

(d) Start-ups recognised by the Department of Industrial Policy & Promotion (DPIIT) and registered on start-up India portal under Industry domain as Aeronautics/Aerospace & Defence and under the categories as Engineering and Manufacturing.

29. This EoI is being published on MoD/ DDP website inviting Company (ies) to participate in the "Make-II" Project. The EoI is also issued to the DA(s) who have indicated willingness to participate in the Development of ASV-MCM since hosting of the requirements on 'www.makeinindiadefence.com' and/ or firms which participated in Feasibility Study.

PART VI: ASSESSMENT PARAMETERS

30. The assessment of the EOI responses would be based on the following Evaluation Criteria, details of which are elaborated in the succeeding paragraphs:-

(e) Financial and Commercial Criteria.

(f) Technical Capability Criteria.

31. **Financial and Commercial Assessment Criteria.** The EoI respondents would furnish their response to the Financial and Commercial Criteria as per **Appendix D**. The company shall possess a license or be in the process of acquiring a license as per DPIIT's licensing policy under Ministry of Commerce and Industry. The EoI respondents would submit their responses and furnish necessary authenticated and verifiable documents in support of the claims. **In case EoI respondents are a Consortium, they are required to execute the AoP Agreement as per Appendix C. Failure to do so will result in treating the offer as non-responsive and will be summarily rejected. Further, in their offer letter, Consortium are required to mention details of Consortium members, their respective share-holding in the AoP and it must be signed by authorised signatories of all members.**

32. **Technical Capability Criteria.** The project ASV-MCM is a system which will require sound knowledge of unmanned systems, underwater acoustics and quality control. The DA(s) should have a good understanding of Project Management, required for ASV-MCM. The contribution of the DA in acquiring and developing technologies in critical areas shall be an important criterion in assessment of the



proposal. The respondents to this EoI are required to furnish information about their technical capabilities as per **Appendix E**.

PART VII: EVALUATION CRITERIA OF ASSESSMENT PARAMETERS

33. **Evaluation Criteria For All Entities**. The response to this EoI will be evaluated based on the assessment parameters given at **Appendix D and E** to identify Companies/ Consortia with proven Commercial and Technical strengths and capabilities as follows:-

- (a) Financial and Commercial Criteria
- (b) Technical Capability Criteria.

34. The assessment would be done based on following parameters:-

(a) **Financial and Commercial Criteria**.

(i) The entity should be registered for minimum five years; three years in the case of MSMEs.

(ii) The entity shall have a long term issuer credit rating equivalent to Credit Rating Information Services of India limited (CRISIL) of ICRA limited "BBB" accorded by reserve bank of India (RBI)/ Securities Exchange Board of India (SEBI) approved agencies. In case of MSMEs, the minimum rating report should not be older than 12 months and be latest available rating.

(iii) Profitable for at least three out of the last five years. In case of MSMEs, profitable for at least one out of the last three years.

(iv) Net Worth of the entities, ending 31st March of the previous financial year should not be less than Thirty five Crore (35Cr).

(v) All Aforesaid data relating to eligibility of companies for issue of EoI be demonstrated at the close of financial year preceding issue of EoI, except the requirement for profitable financial record as specified under para 34 (a) (iii) above, which needs to show profits in at least three years of the last five years preceding the EoI.

(b) **Technical Capability Criteria**. Since it is a large and Complex project the technical eligibility will be as follows:-

(i) Successful signing of contracts in the domain of shipbuilding, weapon systems, command and control systems, oceanographic systems of value totalling not less than Rs 110 Cr (One Hundred and ten Crore (110 cr)).



- (ii) Domain Expertise in the following field:-
- (aa) Command and Control Systems
 - (ab) Self-propelled Unmanned Underwater solutions.
 - (ac) Underwater acoustics.
 - (ad) Integration of various technologies.

35. MoD, Govt of India reserves the right to disqualify a respondent/ consortium if he/ they fail to comply with specific criteria at any stage of the evaluation process by the PFT. **No amendment/ change in response to EoI will be accepted under any circumstances once the EoI response is submitted.**

Note 1. Details regarding proposed expenditure/ establishment of facilities/ lab etc. are liable to be included in the contract in case the Company/ Consortium get shortlisted for development of ASV-MCM.

Note 2. Company/ Consortium giving False/ Misleading information will be barred from participation in the project ASV-MCM.

PART VIII: DOCUMENTS TO BE SUBMITTED BY EOI RESPONDENTS

36. Following documents are required to be submitted by EOI respondents:-

Ser	Topic	Reference
(a)	Certification Of Indigenous Content	Annexure I of Appendix A.
(b)	Association of Persons (AoP) Agreement	Appendix C, if applicable
(c)	Financial and Commercial Assessment criteria including all documentation specified	Appendix D
(d)	Technical Capability Assessment Criteria	Appendices E
(e)	Information Performa	Appendix F
(f)	Certificate	Appendix G
(g)	Project Report	Appendix H

37. The EOI respondents shall submit three (03) copies of response to EOI, clearly marking one copy as 'Original Copy' and the remaining two as 'Copy No 2&3'. The respondents are also required to submit a soft copy of the response to EOI in a CD/ DVD in PDF format and in word format. In the event of any discrepancy between the content in copies of documents submitted, the contents in the 'original copy' shall govern/ prevail. Each page of the response will bear the signatures of the authorized signatory of the Company/ Lead Member in a Consortium.



38. **Guidelines for Submitting EoI Responses.**

(a) The responses should be submitted strictly as per the formats given in respective appendices. Should a Vendor/ Consortium need to mention any other information, a separate column may be added as the last column only.

(b) All response appendices should be submitted in a single file or folder. Supporting documents or additional reference should be submitted in a separate folder with proper reference mentioned against each parameter or sub parameter in respective appendices.

(c) Any supporting document/ evidence without any reference to specific parameter of criteria will not form part of the assessment.

39. The envelopes shall be addresses as under:-

Secretary, PFT
Project ASV-MCM
Directorate of Staff Requirements
Integrated Headquarters of Ministry of Defence (Navy)
Room No 210 'D' Block
Defence officers Complex
Africa Avenue
New Delhi 110023

Tele 011-26771553
Fax No 011-26771320
Email dsr@navy.gov.in

40. The response to this EoI must be submitted by **1500 hrs** on **10 May 23** at the address mentioned above.

41. A Company/ Consortium can submit only one response to this EoI. If a company submits more than one response, then all responses of the Company will be rejected and the Company/ Consortium, to which the Company belongs, would not be assessed further.

42. MoD, Govt of India at its discretion can extend this deadline for the submission of responses to EoI and the same shall be notified in writing.

PART IX: QUERIES AND CLARIFICATIONS

43. Following aspects will govern the procedure for queries and clarifications:-

(d) **Companies/ Consortium may submit written queries/ clarification/ amplifications on specific issues by 05 Apr 23** Consolidation and



examination of the queries received will be carried out by the PFT and clarification will be given to all the industries during the pre-response meeting.

(e) **Pre-Response Meeting**. A pre-response meeting is scheduled on **19 Apr 23 at 1500 hrs** at location as indicated in Para 39 to clarify the issue/ queries raised to facilitate submission of response.

(f) If deemed necessary, a written reply may be given to all respondents after the meeting.

PART IX: MISCELLANEOUS

44. This EoI is being invited with no financial commitment on part of the Govt. of India/ MoD. Govt of India reserves the right to withdraw or change or vary any part there of at any stage. MoD, Govt of India also reserves the right to disqualify any company should it be so necessary at any stage on grounds of national security.

45. Respondent/ consortium would be disqualified if they make false, incorrect, or misleading claims in their response to this EoI. A certificate as per the format at **Appendix G** would be furnished as part of the response, including respective consortium partners, where applicable.

Note. The above guidelines are to be read in conjunction with the guidelines under Chapter II and Chapter III of 20



(Prashant Honshetti)
Commander
Secretary, PFT
Project ASV-MCM

Enclosure:- Appendix 'A' to 'J'

Distribution:- Shortlisted vendors and Hosted on DDP website (without PSQRs),

Note: Vendor downloading EoI from DDP website requested to contact DSR as per Para 39 (Fax or email only) for copy of PSQRs by **22 Mar 23**. Entities will be issued EoI post execution of Non-Disclosure Agreement (NDA) and Approval of PFT. Format for NDA will be issued to interested vendors post receipt of firm request from Vendor.



Appendix A
{Refers to Para 6 and 36(a)}

INDIGENOUS CONTENT ASPECTS

Definitions

1. "Indigenous Content"(IC) for an equipment or an item shall be arrived at by excluding from the total cost of that equipment/item the following elements at all stages (tiers) of manufacturing/production/assembly:

(a) Direct costs (including freight/transportation and insurance) of all materials, components, sub-assemblies, assemblies and products imported into India.

(b) Direct and Indirect costs of all services obtained from non-Indian entities/citizens.

(c) All license fees, royalties, technical fees and other fees/payments of this nature paid out of India, by whatever term/phrase referred to in contracts/agreements made by vendors/sub-vendors.

(d) Taxes, duties, cesses, octroi and any other statutory levies in India of this nature.

2. Further, "on cost" basis for 'Buy (Indian IDDM)' cases, shall imply the IC is required as specified under Para 8 and 21 of Chapter I of DAP 2020 read with additional specific requirements in this regard, if any, mentioned in the EOI.

Reporting Requirements

3. IC as defined in Para 1 and 2 above shall be mandatorily reported by all stages (tiers) of manufacturing/ production/ assembly to their higher stages (tiers). All stages (tiers) are required to aggregate indigenous content based on certifications and inputs from lower tiers, as well as on the basis of their own procurement actions and manufacturing activities undertaken. The final aggregation of IC shall be undertaken by the prime (main) contractor with whom an acquisition contract is signed by the Ministry/SHQ.

4. All contracts, sub-contracts, agreements and MoUs made by prime (main) contractors (and their lower tier suppliers/vendors) with their business partners/suppliers, insofar as these contracts, agreements or MoUs relate to the main acquisition contract, shall mandatorily incorporate the definition and reporting requirements for IC in terms of Para 3. Similarly, these business partners/suppliers shall sequentially incorporate these definitions and reporting requirements with their next levels of business partners/suppliers and so on, till the lowest tier in the manufacturing/production/assembly chain.



Audit

5. The Ministry of Defence can exercise its right to conduct an audit of all certifications and costs relevant to IC at all or any stages (tiers) of manufacturing/production/assembly, starting from the prime (main) contractor downwards. The audit(s) could be conducted by the Ministry itself and/or by an agency/institution/officer(s) nominated by the Ministry, as may be decided by the Ministry.

6. All contracts, sub-contracts, agreements and MoUs made by prime (main) contractors (and their lower tier suppliers/vendors) with their business partners/suppliers, insofar as these contracts, agreements or MoUs relate to the main acquisition contract, shall mandatorily incorporate the right of Ministry of Defence to conduct an audit in terms of Para 5. Similarly, these business partners/suppliers shall sequentially incorporate these definitions and reporting requirements with their next levels of business partners/suppliers and so on, till the lowest tier in the manufacturing/production/assembly chain.

Certification

7. All relevant deliveries made under contract shall be accompanied by a certificate of IC issued by the Chief Financial Officer (CFO). All final deliveries under contract shall be accompanied, in addition to the certificate issued by the CFO of the prime (main) contractor as aforesaid, by its Company Auditor's certificate. An Indigenisation Plan for Buy (Indian-IDD), Buy (Indian), Buy & Make (Indian) and Buy & Make cases will be required to be submitted by the vendor to meet the requirement of IC as specified in Para 6 to 9 of Chapter I of DAP20. Further, the equipment offered for trial shall be accompanied with a certificate of IC issued by the CFO of the prime (main) bidder. The format for certification of IC by the CFO/Company Auditor shall be as per **Annexure to this Appendix**.

8. Final payments shall be released only after the submission of a certificate of IC furnished by the CFO of the prime (main) contractor and a certificate from its Company Auditor, in addition to any other requirements specified elsewhere in the DPP or in the contract.

9. Deliveries at each stage of contract must conform to IC requirements and categorization relevant to that particular stage. The Performance-cum-Warranty Bank Guarantee shall not be released before completing an audit of the IC in all relevant deliveries by the Ministry or its nominated agency/institution/officer(s), if such an audit is ordered.

Withholding of Payments and Imposition of Penalties

10. In case a particular delivery is deficient in achieving mandatory IC for that stage, an amount of 5% of the cost of that stage delivery shall be withheld from payment for that stage. However, if the vendor achieves the mandatory IC on a cumulative basis by the next stage of delivery, the amount so withheld shall be released to the vendor.



without interest. All such payments withheld above shall be forfeited upon failure to achieve required IC by the stage of last delivery of the relevant product. In addition, the Performance-cum-Warranty Bank Guarantee shall also be forfeited upon failure to discharge IC obligations as per contract.

11. In case mandatory IC is not achieved by a vendor and/or if a false certificate is furnished by a vendor/sub-vendor, the Ministry can initiate proceedings for banning or suspension of business dealings with the erring Indian vendor/sub-vendor and its allied firms for all future contracts for a period upto 5 years. This right can be exercised by the Ministry at any point of time; and initiation of banning or suspension proceedings, if ordered, shall be in addition to any other action that may be taken/ordered by the Ministry against the erring vendor/sub-vendor under any law(s) in force.

Miscellaneous

12. In the event of non-incorporation of the definitions and/or audit requirements laid down under Para 1 to 6 in contracts or agreements vendors with next tier at any stage (tier) of manufacturing/production/assembly, it shall be presumed that items/services provided by that stage/tier to the next (tier) have no IC for the purposes of the DPP. Similarly, in the event of non-certification of IC at any stage (tier) as required herein, it shall be presumed that items/services provided by that stage/tier to the next stage (tier) have no IC for the purposes of the DPP. In such cases, the Ministry of Defence can take any of the steps under Para 7 to 11 above against erring vendors/sub-vendors.



Annexure I to Appendix A

FORMAT FOR CERTIFICATION OF INDIGENOUS CONTENT

This is to certify that we, _____ (Name of Prime/Main Vendor) have achieved/are offering the following IC in the accompanying delivery under contract/equipment being offered for trials/prototype, as defined under the Defence Procurement Procedure and as required under the RFP/Contract/EoI (tick whichever is applicable) No. _____ dated _____.

Description of Supplies and Indigenous Content Therein:

Sl.No.	Description of Supplies	IC achieved/ being offered	IC required to be achieved/ offered as per EoI/Contract
1			
2			

Signed by:

1. CFO

----- (Name of Prime/Main Vendor)

2. Statutory Auditor (if required under Appendix A)

----- (Name of Prime/Main Vendor)



Appendix B
{Refers to Para 7, 19, 21(d)}

INTELLECTUAL PROPERTY RIGHTS OF GOVERNMENT
IN "MAKE" PROJECTS

Guiding Principles

1. The Government shall retain only a license in the Intellectual Property being generated under contract; and the contractor retains title or ownership and all other rights in intellectual property that are not granted to the Government, subject to conditions prescribed herein.
2. During the development of prototype, if any technology/product is developed, which the Government considers to be sensitive or classified and needs to be restricted for use in other purposes or for export, the Government through IPMT or any other expert or body may identify such technology/product and shall retain the full ownership of IPRs in respect of such technology/product.
3. All technology licensing is divided up between two mutually exclusive categories of deliverables: (a) Technical Data (TD)¹ and (b) Computer Software (CS)². The Government shall also have certain rights to subject inventions and patents generated under the "Make" contract.
4. The EoI shall contain details of (a) the delivery requirements, storage formats and storage medium; and (b) the associated data rights, in all technologies required to be developed or delivered under the "Make" contract. Officials connected with award of "Make" projects shall ensure that all such delivery requirements are clearly stated in the EoI and the "Make" contract signed, if any, including delivery and form in which source code is required as a contract deliverable.
5. The Government's standard license rights in (a) subject inventions and associated data; and (b) all other data generated under the "Make" contract, including technical data and computer software whether associated with such subject inventions or otherwise, shall be 'Government-Purpose Rights' (GPR). In respect of subject

¹"Technical data" means recorded information, regardless of the form or method of the recording, of a scientific or technical nature (including computer software documentation). The term does not include computer software or data incidental to contract administration, such as financial and/or management information.

²(a) "Computer software" means computer programs, source code, source code listings, object code listings, design details algorithms, processes, flow charts, formulae and related material that would enable the software to be reproduced, recreated or recompiled. Computer software does not include computer data bases or computer software documentation. (b) "Computer program" means a set of instructions, rules, or routines recorded in a form that is capable of causing a computer to perform a specific operation or series of operations. (c) "Computer software documentation" means owner's manuals, user's manuals, installation instructions, operating instructions, and other similar items, regardless of storage medium, that explain the capabilities of the computer software or provide instructions for using the software. (d) "Computer data base" means a collection of data recorded in a form capable of being processed by a computer. The term does not include computer software.



inventions, the Government shall hold a non-exclusive, non-transferable, irrevocable, paid up (royalty-free) license to practice, or have practiced for on its behalf, the subject invention throughout the world.

6. These guiding principles shall apply at both the prime and subcontract levels; i.e., the prime DA(s) shall incorporate the rights of the Government as prescribed in this Annexure in all their subsequent sub-contracts and agreements insofar as technology development under "Make" projects is concerned.

Government Rights

7. The Government shall have "Government-Purpose Rights" and "Unlimited Rights" as explained below:-

8. For all subject inventions³ under the "Make" Contract, including technical data and computer software associated with such subject inventions, the Government shall hold "Government-Purpose" Rights (GPRs), in that it shall hold a non-exclusive, non-transferable, irrevocable, paid up (royalty-free) license to practice, or have practiced for on its behalf, the subject invention throughout the world. These GPRs shall automatically convert to "Unlimited Rights" as defined under this section upon the expiry of ten years.

9. For the purpose of all technical data and computer software, whether related to subject inventions or otherwise, GPRs shall imply the right to use such technical data and computer software within the Government without restriction and the right to authorize any other entity for any government purpose including re-procurement. More specifically, "Government-Purpose" rights include the rights to:-

- (a) Use, modify, reproduce, release, perform, display, or disclose technical data within the Government without restriction; and
- (b) Release or disclose technical data outside the Government and authorise persons to whom release or disclosure has been made to use, modify, reproduce, release, perform, display, or disclose that data for Government purposes.
- (c) Form, Fit and Function data: and Manuals or instructional and training materials for installation, operation, or routine maintenance and repair;
- (d) Computer software documentation required to be delivered under the "Make" contract;
- (e) Corrections or changes to computer software or computer software documentation furnished to the contractor by the Government;

³"Subject invention" implies any invention of the contractor conceived or first actually reduced to practice in the performance of work under a Government Contract. "Invention" implies any invention or discovery that is or may be patentable or otherwise protectable under the Patent Laws in force in India.



(f) Computer software or computer software documentation that is otherwise publicly available or has been released or disclosed by the contractor or subcontractor without restrictions on further use, release or disclosure other than a release or disclosure resulting from the sale, transfer, or other assignment of interest in the software to another party or the sale or transfer of some or all of a business entity or its assets to another party;

10. For the purposes of these guidelines, "Government Purpose" means an activity in which the Government of India is a party, including cooperative agreements with international or multinational Defence organizations, or sales or transfers by the Government of India to foreign Government or international organizations. Government purposes include competitive procurement, but do not include the rights to use, modify, reproduce, release, perform, display, or disclose technical data for commercial purposes or authorize others to do so.

11. In addition to standard GPRs, Government rights in computer software to be delivered under contract shall also include the right to:-

- (a) Use of a computer program with government computer(s);
- (b) Transfer to another Government computer;
- (c) Make copies of computer software for safekeeping; backup or modification purposes;
- (d) Modify computer software;
- (e) Disclose to service contractors;
- (f) Permit service contractors to use computer software to diagnose/correct deficiencies, or to modify to respond to urgent or tactical situations; and
- (g) Disclose to contractors or any other third-parties for purposes of emergency repair and overhaul.

March-In Rights

12. The Government shall have "March-In" rights for all items covered under its "Government-Purpose Rights". "March-In" Rights shall include the right to work the patent, either by itself, or by another entity on behalf of the Government, in case the contractor fails to work the patent on its own within a specified and reasonable period of time.

13. Under its march-in rights, the Government can require the contractor to grant, or may itself grant license for, inter alia, the following reasons:-

- (a) The contractor fails to work the patent towards practical application within a reasonable time; or



- (b) Where health and safety requirements so require the Government to act in public interest;
- (c) For National Security Reasons;
- (d) To meet requirements for public use not reasonably satisfied by the contractor;
- (e) For failure of the contractor to substantially manufacture the products embodying the subject invention in India; or
- (f) For failure of the contractor to comply with any of the requirements laid down under these guidelines.

Miscellaneous

14. The contractor is required to have a timely and efficient disclosure system in place for reporting of intellectual property generation under the "Make" contract to the Ministry of Defence. Failure to disclose in timely manner, or failure on part of the contractor to invoke his/her default right of ownership, shall imply that all IPRs shall ab-initio vest in the Government of India. The contractor may elect to retain title of any invention made in the performance of work under a contract. If the contractor does not elect to retain title, the title shall ab-initio vest in the Government as stated above and the contractor shall only be entitled to a license on such terms and conditions that the Government may deem it fit. Such license to the contractor shall usually be (a) revocable, non-exclusive and royalty-free; (b) extend to its domestic subsidiaries and affiliates; and (c) include the right to sublicense; but (d) shall not be transferable without prior approval of the Government.

15. The contractor shall also be required to submit periodic reports above commercialization and manufacturing activities undertaken for products embodying the subject invention under "Make" contracts.

16. The Government's IPRs shall flow down from the prime contractor to all sub-contractors at all tiers; that is, every sub-contractor will have the same obligations vis-à-vis the Government as applicable to the prime contractor under the main procurement contract. To this end, the subcontractors shall have limited contractual privity with the Government solely for the purposes of their IPR obligations to the Government.

17. The ownership of any rights by the contractor does not include an absolute right to transfer of any software, product or documentation; and such transfer, including export thereof, shall continue to be governed by and be subject to the Export Policy, Export Guidelines and all applicable laws, rules, regulations, orders and instructions of the Government of India. All such transfers and exports shall require prior and explicit approval of the Ministry of Defence.



18. Where the DA is not a consortium, ownership rights in intellectual property being generated under the "Make" contract shall vest with the Government upon dissolution of such DA. Where the DA is a consortium, the ownership rights in the IP generated under the "Make" contract, upon dissolution of the consortium, shall vest amongst the partners as per their agreement on the subject contained in the joint partnership agreement of the consortium, without government rights as licensee being adversely affected in any manner.



Appendix C{Refers to Para 21(f), 31 & 36(b)}ILLUSTRATIVE: 'ASSOCIATION OF PERSONS AGREEMENT'

THIS ASSOCIATION OF PERSONS (AOP) AGREEMENT is entered into on this the day of 20.....

AMONGST

1. { Limited, a company incorporated under the Companies Act} and having its registered office at (hereinafter referred to as the "First Part" which expression shall, unless repugnant to the context include its successors and permitted assigns)

AND

2. { Limited, a company incorporated under the Companies Act} and having its registered office at (hereinafter referred to as the "Second Part" which expression shall, unless repugnant to the context include its successors and permitted assigns)

AND

3. { Limited, a company incorporated under the Companies Act and having its registered office at (hereinafter referred to as the "Third Part" which expression shall, unless repugnant to the context include its successors and permitted assigns)}

AND

4. { Limited, a company incorporated under the Companies Act and having its registered office at (hereinafter referred to as the "Fourth Part" which expression shall, unless repugnant to the context include its successors and permitted assigns)} The above mentioned parties of the FIRST, SECOND, {THIRD and FOURTH} PART are collectively referred to as the "Parties" and each is individually referred to as a "Party".

WHEREAS,

(a) The Ministry of Defence, Government of India (hereinafter referred to as the "Buyer" which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns) has invited responses (the "responses") to its Expression of Interest No..... dated..... (the "EoI") for short-listing of bidders for development of- Project (the "Project").

(b) The Parties are interested in jointly bidding for the Project as an Association of Persons ("AoP") in accordance with the terms and conditions of the EoI document and other documents in respect of the Project and



(c) It is a necessary condition under the EoI document that the members of the AoP shall enter into an Association of Persons Agreement and furnish a copy thereof with the Response.

NOW IT IS HEREBY AGREED as follows:-

1. **Definitions and Interpretations**. In this Agreement, the capitalized terms shall, unless the context otherwise requires, have the meaning ascribed thereto under the EoI.

2. **Association of Persons/Consortium**.

(a) The Parties do hereby irrevocably constitute an Association of Persons/consortium (the "Consortium") for the purposes of jointly participating in the bidding process for the Make Project and executing and implementing the complete "Make" project upto the completion of the Production Phase or any subsequent Lifecycle Support or technology Refresh/Upgrade Contract that MoD places on the Lead Member of AoP before completion of the Warranty Period, whichever is later.

(b) The Parties hereby undertake to participate in the "Make" Project only through this AoP Agreement and not individually and/or through any other AoP/consortium constituted for this Project, either directly or indirectly or through any of their Associates.

3. **Covenants**. The Parties hereby undertake that in the event the AoP is declared the selected Development Agency and awarded the project, the parties shall enter into a Contract with the Buyer for performing all its obligations as the Development Agency in terms of the contract for the Project.

4. **Role of the Parties**. The Parties hereby undertake to perform the roles and responsibilities as described below: -

(a) Party of the First Part shall be the Lead member of the Consortium for and on behalf of the Consortium during the bidding process and until the Appointed Date under the Contract.

(b) Party of the Second Part shall be responsible for

(c) Party of the Third Part shall be responsible for

(d) Party of the Fourth Part shall be responsible for

5. **Joint and Several Liabilities**. The Parties do hereby undertake to be jointly and severally responsible for all obligations and liabilities relating to the Project and in accordance with the terms of the EoI and subsequently in accordance with the development contract, if and when awarded.



6. **Lead Member.** Without prejudice to the joint and several liabilities of the parties, each party agrees that it shall communicate with the MoD in matters of the EoI and the Development and Production Contract, as applicable through the Lead Member and the Buyer shall be entitled to communicate with such Lead Member as the representative of all the members. Each party agrees and acknowledges that:-

(a) The Lead Member shall take prior written consent by all participating AOP members before sending any communication regarding a decision (including without limitation, any waiver or consent), action or omission, before communicating the same to MoD. The AoP Members shall send their responses to the Lead Member and ensure that stipulated timelines of MoD are met with by the Lead Member;
and;

(b) Any decision (including without limitation, any waiver or consent), action, omission communicated by the Lead Member on any matters related to the Contract shall be deemed to have been on its behalf and shall be binding on it. The Buyer shall be entitled to rely upon any such action, decision or communication from the Lead Member;
and;

(c) Any notice, communication, information or documents to be provided to the Development Agency shall be delivered to the authorised representative of the Development Agency (as designated pursuant to the Contract) and any such notice, communication, information or documents shall be delivered to all the Parties by the Lead Member.

7. **AoP Bank Account/ Payments.** The Parties will open a separate single bank account ("**AoP Account**") for payments to be received from the Buyer in the name of the AoP which account shall be operated jointly by all the AoP members. Each of the Parties shall raise separate invoices on Buyer, which will be presented to the Buyer by the Lead Member under a Covering Letter. The Buyer shall make the payment(s) into the designated AoP account and the Buyer shall not in any manner be responsible or liable for the inter se allocation of payments, works etc. among the Parties. Disbursal of the amount lying in the AoP account to each of the Parties shall be made directly to such Party, from the AoP Account. Each Party shall be responsible for ensuring the Invoice and the accompanying documentation is complete and accurate.

8. **Representation of the Parties**

8.1 Each Party represents to the other Parties as of the date of this Agreement that:-

(a) Such Party is duly organized, validly existing and in good standing under the laws of its incorporation in India and has all requisite power and authority to enter in to this Agreement;

(b) The execution, delivery and performance by such Party of this Agreement has been authorized by all necessary and appropriate corporate or



governmental action and a copy of the extract of the charter documents and board resolution/power of attorney in favour of the person executing this Agreement for the delegation of power and authority to execute this Agreement on behalf of the Consortium Member is annexed to this Agreement and will not, to the best of its knowledge:-

- (i) Require any consent or approval not already obtained;
- (ii) Violate any Applicable Law presently in effect and having applicability to it;
- (iii) Violate the memorandum and articles of association, by-laws or other applicable organizational documents thereof;
- (iv) Violate any clearance, permit, concession, grant, license or other governmental authorization, approval, judgment, order or decree or any mortgage agreement, indenture or any other instrument to which such Party is a party or by which such Party or any of its properties or assets are bound or that is otherwise applicable to such Party; or
- (v) Create or impose any liens, mortgages, pledges, claims, security interests, charges or Encumbrances or obligations to create a lien, charge, pledge, security interest, encumbrances or mortgage in or on the property of such Party, except for encumbrances that would not, individually or in the aggregate, have a material adverse effect on the financial condition or prospects or business of such Party so as in all matters before the Buyer, signing and execution of all contracts and undertakings consequent to acceptance of the Consortium's proposal and generally dealing with the Buyer in all matters in connection with or relating or arising out of the Project.

9. **Termination**. This Agreement shall be effective from the date hereof and shall continue in full force and effect until completion of the Make project and in accordance with the contract, in case the Project is awarded to the Consortium. However, in case the Consortium is either not prequalified for the Project or does not get selected for the award of the Project, the Agreement will stand terminated or upon return of the Bid Security, if any, by the Buyer to the Bidder, as the case may be. Upon completion of the Development Contract, this Agreement may be terminated by the Parties upon written mutual consent, if the AOP fails to win Contract from MoD, during the implementation of the 'Buy (Indian-IDDM)' Project.

10. **Miscellaneous**.

- (a) This Agreement shall be governed by the laws of India.
- (b) In the event of a dispute, the Parties shall attempt to amicably resolve the same, failing which the dispute shall be referred to arbitration which shall be resolved in accordance with the Arbitration & Conciliation Act, 1996. The venue for dispute resolution shall be New Delhi, India. The arbitration



proceedings shall be conducted in English language. The arbitration award shall be final and binding upon the Parties.

(c) The Parties acknowledge and accept that this Agreement shall not be amended by the Parties without the prior written consent of the Buyer.

IN WITNESS WHEREOF THE PARTIES ABOVE NAMED HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED, SEALED AND DELIVERED For and on behalf of Lead Member
by:

(Signature)
(Name)
(Designation)
(Address)

SIGNED, SEALED AND DELIVERED For and on behalf of SECOND PART

(Signature)
(Name)
(Designation)
(Address)

SIGNED, SEALED AND DELIVERED For and on behalf of THIRD PART

(Signature)
(Name)
(Designation)
(Address)

SIGNED, SEALED AND DELIVERED For and on behalf of FOURTH PART

(Signature)
(Name)
(Designation)
(Address)

In the presence of: 1.
 2.



Appendix D
{Refers to Para 31, 33, 36(c)}

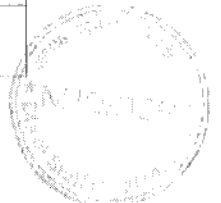
FINANCIAL AND COMMERCIAL ASSESSMENT CRITERIA

Name of the vendor:

Following documents are to be mandatorily required to be attached whilst submission of this appendix(duly certified):-

- (a) Latest certificate of Incorporation by registrar of companies.
- (b) Latest memorandum of association and articles of association of company
- (c) Auditor certified data of company for :-
 - (i) Share holding pattern including details of FDI
 - (ii) Networth
 - (iii) Annual consolidated turnover

Sl. No	Criteria and Sub- Criteria	Vendor Submissions			Remarks, if any
		Lead Bidder	Partner 1	Partner 2	
(a)	The entity should be registered for minimum five years; three years in the case of MSMEs.				Submit documents in support of these claims.
(b)	The entity shall have a long term issuer credit rating equivalent to Credit Rating Information Services of India				Submit documents in support of these claims



	<p>limited (CRISIL) of ICRA limited "BBB" accorded by reserve bank of India (RBI)/ Securities Exchange Board of India (SEBI) approved agencies. Inc case of MSMEs, the minimum rating report should not be older than 12 months and be latest available rating</p>					
(c)	<p>Profitable for at least three out of the last five years. In case of MSMEs, profitable for at least one out of the last three years.</p>					<p>Submit documents in support of these claims</p>
(d)	<p>Net Worth of the entities, ending 31st March of the previous financial year should not be less than Thirty Five Crore (35 Cr).</p>					<p>Submit documents in support of these claims.</p>

Station:

Date :

Signature

Company Seal

Note 1 :- All Aforesaid data relating to eligibility of companies for issue of EoI be demonstrated at the close of financial year preceding issue of EoI, except the requirement for profitable financial record as specified under para 34 (a) (iii) of EoI, which needs to show profits in at least three years of the last five years preceding the EoI.



Appendix E
{Refers to Para 32, 33, 36(d)}

TECHNICAL CAPABILITY ASSESSMENT CRITERIA

Name of the vendor:

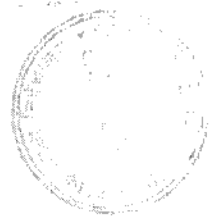
Sl. No	Criteria and Sub- Criteria	Vendor Submissions			Remarks, if any
		Lead Bidder	Partner 1	Partner 2 Partner 3	
(a)	Successful signing of contracts in the domain of shipbuilding, weapon systems, command and control systems, oceanographic systems of value totalling not less than Rs One Hundred and Ten (110 cr).				Submit documents in support of these claims, if any
(b)	Domain Expertise in the following field:- (i) Command and Control Systems (ii) Self-propelled Unmanned Underwater solutions. (iii) Underwater acoustics. (iv) Integration of various technologies				Submit documents in support of these claims, if any

Station:

Date:

Signature

Company Seal



Appendix F
{Refer to Para 36(e)}

INFORMATION PROFORMA

(To Be Filled By All Partners/Collaborators)

1. Name of the Company
2. Name of CEO with Designation
3. Address of the Registered Office
4. CIN
5. Address of the Factory/Factories
6. Company Website(s)
7. Date of Incorporation
8. Brief History of the Company
9. Category of Industry (Large Scale/Medium Scale/Small Scale)
10. Nature of Company (Public Limited/Private Limited)
11. Share holding pattern
12. Nature of Business (Please give broad product range against each)
 - (a) Manufacturer
 - (b) Trader
 - (c) Sole Selling or Authorised Agent
 - (d) Dealer
 - (e) Assembler
 - (f) Processor
 - (g) Re packer
 - (h) Service Provider
13. Details of Current Products
 - (a) Type/Description
 - (b) Licensed/Installed Capacity
 - (c) Annual Production for Preceding 3 Years
14. Details of Foreign Collaborations



- (a) Product
 - (b) Name and Address of Collaborator
 - (c) Year of Collaboration
 - (d) Current Status of the Collaboration (whether expired or current)
15. Technology Received from Abroad and Assimilated
16. Technology Transfer MoUs Signed/Under Negotiation
17. Products Already Supplied
- (a) To Indian Army/Air Force/Navy
 - (b) PSUs
 - (c) DRDO and its Laboratories
 - (d) Ordnance Factories
 - (e) Any other Defence Organisation
 - (f) To other Principal Customers
18. Details of Registration Certification held (along with product details)
- (a) DGQA
 - (b) DGAQA/DGNAI
 - (c) CEMILAC
 - (d) DGS&D
 - (e) Other Defence Departments
 - (f) Other Government Department
19. Details of ISO Certification(Attach certificate, if any)
20. Details of Patent/IPR certificates (Attach certificate, if any)
21. Details of Permanent Man Power (with the details of qualifications)
- (a) Technical
 - (b) Administrative
22. Total Area of Factory
- (a) Covered (sq. mtrs)
 - (b) Uncovered (sq. mtrs)
 - (c) Bonded Space Available (sq. mtrs)
23. Details of Important Facilities available with EoI respondent



- (a) Production (including Heat Treatment, Dies, jigs and Fixtures)
 - (b) CAD, CAM, ROBOTS and Other Advanced Technology Tools
 - (c) Environmental Test Facilities.
 - (d) Tool Room, Metrology and Test Equipment and Facilities
24. Details of Developmental Facilities
- (a) R&D Facilities Available
 - (b) Number of Technical Manpower
 - (c) Inspection and Quality Control of Raw Material, Components and Finished Products.
 - (d) Assistance required from Central Agency/Agencies for Testing/Calibration
 - (e) Laboratory and Drawing Office Facility
 - (f) Percentage of Total Turn-Over Spent on R&D during the Last Three Years
25. Area of Interest for Future Expansion/Diversification
26. Future Plan (if any) in respect of Expansion Program, Installation of Additional Machines/Test Facilities
27. Integration capabilities for system-of-systems projects.
28. Any other Relevant Information
29. Contact Details of the Executive Nominated to co-ordinate with the Assessment Team (please provide telephone, mobile and e-mail address).



Appendix G
(Refers to Para 36 (f) & 45)

CERTIFICATE

It is certified that information submitted in the documents as part of the response to Expression of Interest for Project ASV-MCM is correct and complete in all respects. It is acknowledged that the company and / or all consortium members will be disqualified from further participation if any information provided is found to be incorrect.

Signature with Company Seal

Company No1

Company No 2

Company No3

Company No4

Company No 5



Appendix H
{Refers to Para 36(g)}

FORMAT FOR PROJECT REPORT

1. Overview of the project
2. Compliance to PSQR.
3. Compliance to Environmental standards and QA aspects as elucidated in the PSQRs. (Respondents may indicate if equipment/assemblies/assembly is being supplied with any other QA standard/equivalent commercial standards).
4. List of equipment/subcomponents and assemblies proposed to be fitted on ASV-MCM with details of following:-
 - (a) Indigenous / imported.
 - (b) Mil standard or commercial standards
 - (c) Short brief on technical capabilities of equipment
5. Standards under which the ASV will be manufactured/tested.
6. Acceptance of 104 weeks as prototype development timeline.
7. Source of Raw Material for the project:-
 - (a) Imported/ Indigenous.
 - (b) Brief Description.
 - (c) Estimated CIF value.
 - (d) Percentage FE content likely in prototype and final product.
8. Details of important facilities that will be employed in the project, including but not limited to (specifically to be used for this project): -
 - (d) Production (including Heat Treatment, jigs and fixtures).
 - (e) CAD, CAM, robotics and other advanced technology tools.



- (f) Environmental Test Facilities.
 - (g) Tool Room, Metrology and Test Equipment and Facilities.
 - (h) Types of Instruments, Make and Model, Date of Purchase,
9. Indigenisation Criteria with specific reference to ASV-MCM project.
- (a) Indigenous design capability.
 - (b) Indigenous manufacturing capability.
 - (c) Indigenous content in percentage of total cost.
 - (d) %age of proprietary items.
 - (e) Components to be manufactured indigenously.
 - (f) Components designed indigenously but likely to be manufactured abroad.
 - (g) Components likely to be procured from abroad along with country of origin.
 - (h) Methodology to build up on technologies and experience from current project for new deliverables/upgrades.
10. Estimated timelines for various phases of prototype development, total timeframe for implementation of the project and critical phases most susceptible to slippages. Some Critical Activities and Milestones envisaged are as follows :- **(respondent may use them as reference to reply to this question and add amend or add as required)**-
- (a) Build specifications/design specifications.
 - (b) Layout/ General Arrangement Drawing (with detailed Bill of Material and source).
 - (c) QAP procedure for equipment.
 - (d) Placing of orders for all components and raw materials.
 - (e) Procurement of all critical raw materials.



- (f) Assembly of critical sub-assemblies.
 - (g) Assembly of the complete prototype.
 - (h) Finalisation and Promulgation of Trial Directive.
 - (j) Internal Testing and Trials.
 - (k) Environmental Testing and trials.
 - (l) Submission of certification/studies as required
 - (m) Prototype trials.
11. Location where the prototype will be manufactured.
 12. Roles Responsibilities and expertise details of consortium members, if any.
 13. Role of foreign/indigenous technology provider, if any, including the agreement intended to be entered into on being shortlisted.
 14. Method of execution of ToT and key technologies envisaged to be absorbed through ToT with timeline (if applicable).
 15. Upfront disclosure of details of foreign collaboration, if any including major assemblies and sub-assemblies to be defined to include Armament, Power Pack, Transmission System, Sighting system etc. as Priority I and II.
 16. Requirement and employment specialised testing assistance where facilities are available only with DRDO/DGQA/DGAQA/DGNAI/SHQ.
 17. Requirement Utilisation of existing government infrastructure for leasing, maintenance and manufacture of components, assemblies and sub-assemblies.
 18. Recommended Evaluation process and acceptance criteria for prototype for PSQRs.(to be divided into simulation, documentation, certification, inspection and demonstration)
 19. Likely envisaged delivery timelines for production version post placement of contract.
 20. Recommended methodology for full life cycle support for production version.
 21. Recommended training and exploitation methodology for product.



22. Recommended methodology for, midlife upgrades or life extension as applicable.

