



Garden Reach Shipbuilders & Engineers Ltd.
(A Government of India Undertaking)
61 Garden Reach Road, Kolkata – 700024, India
E-mail: Sreedharan.Rajiv@grse.co.in; Web site: www.grse.in

CIN No. L35111WB1934GOI007891

CORRIGENDUM – II
TO NOTICE INVITING “EXPRESSION OF INTEREST”

SECTION A

Ref. No.	SCC/RM/EE EQUIPMENT/EOI-015
Description	SHORT LISTING OF OEMS FOR JOINT DEVELOPMENT AND SUPPLY OF VARIOUS ELECTRICAL/ELECTRONICS EQUIPMENT AND SYSTEMS FOR SHIPBUILDING INDUSTRY
Department issuing EOI	Contract Cell
Date of Issue of EOI	14.03.2024
<u>Following Cardinal Dates of EOI have been modified as below</u>	
Bid submission end date	18.04.2024 up to 12:00 Hours
Date of Opening of Bid	19.04.2024 at 14:00 Hours
Note: 1. The Bidder/s shall fill-up Annexure-A & B (issued with Corrigendum-II) and upload on the portal (this is a mandatory requirement) 2. All other details, terms & conditions of this EOI shall remain unaltered	


15/04/2024

RITWIK MANDAL
DGM(Contract)

Garden Reach Shipbuilders & Engineers Limited
61 Garden Reach Road, Kolkata – 700 024
E mail: Mandal.Ritwik@grse.co.in
Mobile: 9163331715

**ANNEXURE: - A
INTIMATION FOR PARTICIPATION**

Reference EOI no:-	
Item: -	
Vendor Name:-	
Registered address	

01. Refer EOI details mentioned above.

02 We are eager to enlist our esteemed concern for your initiative and this intimation may please be treated as our response against that EOI

03. Participation mode: -

3.1 uploaded all necessary documents in portal

3.2 sent all documents through courier

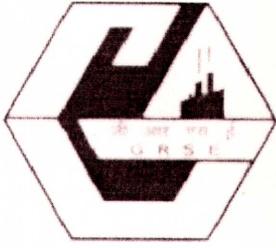
3.3 sent all relevant documents through email

04. List of documentation are detailed in attached Annexure: -B (optional)

05. Submitted for further acknowledgement, scrutiny and acceptance please.

Regard

Vendor Name	
Contact Email	
Contact Number	
Company Name	
Registered company address	



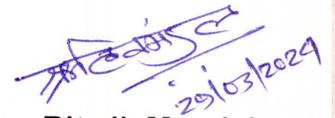
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CORRIGENDUM – I
TO NOTICE INVITING “EXPRESSION OF INTEREST”

SECTION A

Ref. No.	SCC/RM/EE EQUIPMENT/EOI-015
Description	SHORT LISTING OF OEMS FOR JOINT DEVELOPMENT AND SUPPLY OF VARIOUS ELECTRICAL/ELECTRONICS EQUIPMENT AND SYSTEMS FOR SHIPBUILDING INDUSTRY
Department issuing EOI	Contract Cell
Date of Issue of EOI	14.03.2024
<u>Following Cardinal Dates of EOI have been modified as below</u>	
Bid submission end date	15.04.2024 up to 12:00 Hours
Date of Opening of Bid	17.04.2024 at 14:00 Hours
<u>All other details, terms & conditions of this EOI shall remain unaltered</u>	


29/03/2024

Ritwik Mandal
DGM(Contract)

Garden Reach Shipbuilders & Engineers Limited
43/46, Garden Reach Road, Kolkata – 700 024

E mail: mandal.ritwik@grse.co.in

Mobile: 9163331715



Garden Reach Shipbuilders & Engineers Ltd.
(A Government of India Undertaking)

43/46, Garden Reach Road, Kolkata – 700024, India

Tele Fax: +91 33 2469 8150/8133;

E-mail: Sreedharan.Rajiv@grse.co.in; Web site: www.grse.in

CIN No. L35111WB1934GOI007891

**NOTICE INVITING “EXPRESSION OF INTEREST”
FOR
“SHORT LISTING OF OEMS FOR JOINT DEVELOPMENT AND SUPPLY OF
VARIOUS ELECTRICAL/ELECTRONICS EQUIPMENT AND SYSTEMS FOR
SHIPBUILDING INDUSTRY”**

SECTION A

1. Ref. No.	: SCC/RM/EE EQUIPMENT/EOI-015
2. Date of Issue of EOI	: 14.03.2024
3. Date of interactive session	: NIL
4. Last date for Submission of EOI	: 29.03.2024
5. Contact Person	: Cmde Rajiv Sreedharan, CGM (PS-NGOPV, IN & NT) Email: Sreedharan.Rajiv@grse.co.in
6. Validity of EOI	: 180 days from bid opening against the EOI
	This Notice comprises Section A and Section B along with Enclosures 1,2, 3A & 3B and Annexures 1,2,3A, 3B & 4.

N.B:

- **No proposal shall be admissible after due date and time (as stated above).**
- **Decision of GRSE shall be final and binding in this regard.**
- **GRSE reserved the right to cancel this EOI at any stage**
- **Whether GRSE will open the offer against the EOI on closing due date or extend the due date, is completely under purview of GRSE.**

SECTION B

Introduction

1. Garden Reach Shipbuilders & Engineers Ltd (GRSE), is a premier Warship building Company in India, under the administrative control of Ministry of Defence and enjoys 'Mini Ratna' status. Since 1960, GRSE has built and delivered 109 warships for various roles, starting from state-of-the-art Frigates & Corvettes to Fast Patrol Boats. GRSE, as a premier Defence Public Sector Shipyard, has played a very important role in the defence preparedness of the country and has always spearheaded the national mission of indigenous design and construction of warships.

2. Defence and commercial sea going vessels are the primary products for GRSE, but the shipyard also has a strong manufacturing capability and has multiple products like deck machinery, winches, cranes, prime movers, etc under its portfolio. All these products are also sold to other shipyards and dockyards. To support the current shipbuilding plan and to avoid the bottle neck in the supply chain, GRSE is expanding its product portfolios with the introduction of newer quality products.

3. **Objective of this Notice Inviting EoI.** GRSE intends to enter into a long-term collaboration with reputed ***Vendors***, to leverage their manufacturing infrastructure and technical know-how for enhancing GRSE's capabilities for manufacturing of quality electrical systems / components / sub units for Naval/ Commercial vessels under a joint brand name. Minimum indigenous content for these products should be 60%. GRSE would like to shortlist firms of repute, meeting the pre-qualification criteria through this EOI, for: -

- (a) New Product Design & Type Testing (under joint branding), if required as per Specification of each Project
- (b) Bid Formulation/assist GRSE in final bid preparation (for external customer) /Establishment of rate contract (for internal customer)
- (c) Formulation of Quality Acceptance Plan
- (d) Assistance in on-board installation, onboard tests and trials
- (e) Product support including maintaining minimum spares and sourcing of required spares within Product guarantee and product support periods
- (f) Supply of all products on rate contract basis.

4. The timely availability of the electrical systems and equipment of a vessel is essential to avoid delays in the outfitting of a new construction vessel. The essence of this EOI is to shortlist electrical OEMs who are interested in associating with GRSE to enable prompt response to manufacturing of electrical systems and equipment, get them type tested and supplied to shipyard or the targeted client in a time bound manner based on rate contract between the OEM and GRSE. GRSE intends to leverage the infrastructure, workforce and facilities available with the electrical systems and equipment manufacturer to manufacture high quality marine electrical systems and equipment at a competitive rate not only to meet the captive requirements but also to emerge as a potential supplier to other shipyards. GRSE will approach the firms shortlisted through this process to manufacture, type test and deliver Electrical / Electronic equipment / systems for the Scope of Work (SoW) mentioned at **Enclosure 1**. This EoI is intended for creating pool of technically sound and financially stable electrical systems and equipment manufacturers with exclusive agreement to build marine electrical systems and

equipment **in joint brand name with GRSE**. Final selection will be done by inviting bids from qualified and short-listed bidders against this present EoI. Detailed Terms and Conditions (T&C) shall be finalized with the qualified bidder /bidders in this EOI through collaboration agreement /MOU/MOA. GRSE also reserves the right to engage with firms even outside of this shortlisting process for furthering its business objectives, if required in future.

Procedure

5. Expression of interest (EOI) is invited from eligible, capable and reputed electrical systems and equipment manufacturers for empanelling them in GRSE's vendor data base and short listing them for the supply of systems and equipment as listed in **Enclosure 2**. Firms which respond to this EOI and subsequently get qualified would be considered for collaboration agreement /MOA/MOU with GRSE and establishing rate contract through a tendering process.

6. After receipt of due response (as per requisite mode and format) the firm(s) shall be assessed by GRSE through an empowered committee constituted by it based on the prescribed assessment criterion and thereafter shortlisted / selected. GRSE reserves the right to **reject any or all** of the responses/applications received for this Notice inviting EoI, without assigning any reason whatsoever and also to stop further proceedings under this EOI at any given point in time. GRSE's **decision in this regard shall be Final**. Further, submission of any response to this EoI or selection of firm(s) pursuant to this EoI does not guarantee/assure any business to the firm(s) **and no claims or demands in this regard of any firm shall be entertained** (Please note that GRSE Empowered EC is at liberty to reduce / freeze total number of empanelled firms against a specific product category, based on the ranking / Qualification criterion).

7. Pursuant to assessment, **turn-key collaboration with the shortlisted firms** by means of entering into a 'Memorandum of Understanding' (MoU) will be done for a specific time period of **five years or such period as mutually agreed** to commence with. The time period may be extended further as per mutually agreed terms. GRSE shall avail the shortlisted firms' services from time to time as per requirements and also as per the commercial norms of GRSE (within the mutually agreed period - to be mentioned in MOU). However, **GRSE doesn't guarantee/assure any business to the empanelled firms post signing of MoU and no claims or demands in this regard of any firm shall be entertained**.

8. Short listing of the electrical systems and equipment manufacturers shall be limited to the given marine electrical systems and equipment categories and the decision on short listing of the firm will solely be decided by the 'Empowered Committee' (EC) appointed for that purpose at GRSE whose decision shall be final and binding. No communication whatsoever in this regard shall be entertained.

9. Bidders responding to the EOI and selected by the GRSE committee, upon submission of all relevant documents, shall qualify to be short listed to receive Enquiry/ tender for the respective work that shall be floated subsequently. In case where more than one firm qualifies to be empanelled under a particular category, the selection of a firm for any specific project/venture will be based upon existing commercial practises of GRSE and furthering of GRSE's business objectives and solely at the discretion of GRSE considering its requirements and commercial interests.

10. **No formal invitation shall be extended to the firms for the purpose of opening of this Notice Inviting EOI.**

11. The firms responding to this Eoi must be willing for signing the relevant NDA / Integrity Pact (**Reference copy attached at Enclosure 3A & 3B**) towards proceeding with empanelment at GRSE.

12. GRSE would be committed to provide 'Performance Warranty' on its products and also product support ranging from 5 to 25 years including obsolescence support for the entire life cycle of the vessel/platform. The firms responding to this Eoi must be willing to agree to such a back to back commitment where required/sought by GRSE.

13. **AMENDMENT OF EOI DOCUMENT & CORRIGENDUM:**

(a) GRSE reserves the right to amend this EOI document by issuing addendum/addendum. The addendum will be posted at (<https://eprocuregrse.in> and also on GRSE website) and shall be treated as a part of the EOI Document. GRSE may, at its discretion, extend the deadline for the submission of Applications.

(b) GRSE reserves the right to conduct changes to this notice anytime at its own discretion by a corrigendum. The corrigendum (if any) shall be posted at <https://eprocuregrse.in> and also on GRSE website. Any such corrigendum shall be deemed to be incorporated into this EOI.

(c) Bidder should consider the corrigendum published before submitting the bid online.

(d) It is construed that the bidder has read all the terms and conditions before submitting their offer. Bidder should go through the EOI schedules carefully and upload the offer accordingly; otherwise, the bid will be liable for rejection.

14. **DISCLAIMER:**

(a) This Expression of Interest (EOI) is not an offer by GRSE but an invitation to receive offers from interested parties for empanelling them in GRSE vendor panel for development and supply of electrical and electronics equipment and systems and does not entail/guarantee any business. The purpose of this Notice is to provide the necessary information that may be useful to such interested parties in formulating their proposals for empanelment in response to this Notice.

(b) GRSE reserves the right to modify or even not to proceed with the proposed EOI at any stage.

Scope of Work

1. GRSE intends to develop and shortlist vendors for manufacturing of various electrical and electronics equipment and systems for marine vessels on behalf of the shipyard. The electrical and electronics equipment and systems shall be manufactured with the logo of the OEM & GRSE and shall be marketed by the shipyard for Naval / Defence uses.

2. GRSE would have in-depth technical discussions with the shortlisted firm(s) in each category (refer **Enclosure 2** list of Products). The discussions would be based on the 'Bill of Material' (BoM) for each of the generic list of components, sub-assemblies, test equipment, raw material inputs, consumables, installations, services, product royalty charges (if applicable), documentation charges so on and so forth would be listed. Based on discussions, one or more firms would be shortlisted for collaboration. Each serial of the list would be allocated to one or more collaborating Firms (also stated as 'Collaborator/s') and need to be priced based on the following broad factors: -

a) Minimise overall product cost

b) Increase indigenization percentage in terms of cost, to the maximum extent possible.

c) Own set up for production/ repairs

d) In-house test bench capabilities

c) Whilst arriving at the above, the financial factors like customs & taxes/duties, foreign exchange variation, transit insurance, payment terms (LC etc) are to be clearly clarified.

3. This EOI relates to the design, manufacture and supply of following electrical and electronics equipment and systems: -

(a) **Electrical and Electronics Equipment: -**

- i) MSB (415 V, 50 Hz, 3 phase)
- ii) ESB (415 V, 50 Hz, 3 phase)
- iii) Shore Connection Box
- iv) Transformer
- v) Converter / Inverter with UPS capability
- vi) Trans Rectifier cum Battery Charger
- vii) Distribution Board
- viii) 415 V / 230 V AC Distribution Panel
- ix) 415 V / 230 V AC Power Panel
- x) Auto / Hand Change over Switch
- xi) Battery Charger panel

- xii) Window Wiper
- xiii) Patternised JB/CB
- xiv) Non Patternised JB/CB
- xv) 230 / 24V Indication Alarm Panel
- xvi) APMS with Consoles
- xvii) Starters & Motors of various equipment.
- xviii) Alternators

(b) **Electrical and Electronics Systems: -**

- i) Hybrid and Electric propulsion system.
- ii) IPMS for naval vessels
- iii) Designing and supplying battery systems for AUVs
- iv) Supply of LTO and LFP Lithium Ion batteries along with BMS for various uses.

4. The entire scope includes design, manufacture, supply, Inspection, Testing, Preservation, Packaging, Forwarding, satisfactory operation and guarantee support of the electrical and electronics equipment and systems listed at Para 3 above. The systems and associated equipment are to be type tested if not tested earlier.

5. The participation in the subsequent tenders for the end-customer will be carried out by GRSE as required and the consequent orders towards manufacturing of electrical and electronics equipment and systems would be placed by GRSE. Initial preparatory work towards responding to NIT/RFP etc. from prospective customers is envisaged to be done on a NC ('No Cost) basis by the firm /collaborator for GRSE.

6. The **rate contract awarded firm(s) are also required to assist GRSE for the following:**

STAGE	Activity	Description	Remarks
I	Product Design as per Tender Specification of each Project	Each Project is a specific type. Whilst the generic specifications may remain same, there will be ship specific /product specific features like geometry, weight, interfaces, etc. which would require specific tailoring. The collaborator would be required to provide available / new product designs (external design agencies can be involved) and give various design documentations as required specifically for the project to GRSE from time to time.	During the product design stage, there will be a requirement of interface visits by either or both sides /premises (based on mutual agreement /consent). Interaction may also be through Video Conferencing as well.

II	Bid Formulation	<p>As per the finalized product design for each project, the work plan would be finalized thereafter comprising: -</p> <p>i) Bill of Material & sourcing thereof towards product manufacture. ii) Work plan of tests and trials, installation and commissioning iii) Product Support as required by end customer.</p> <p>Based on the above the price bid for the project would be prepared. During the Bid Formulation the Payment stages along with Terms & Conditions for each of the above sub-serials to be made by GRSE to collaborator would also be firmed up and committed by GRSE & collaborator mutually.</p> <p>The Collaborator would have to give a binding undertaking towards execution of project as per mutually agreed SoW (Scope of Work). Based on the comprehensive proposal by the collaborator, encompassing all points as mentioned above, the final bid will be submitted to the End customer by GRSE.</p>	<p>Participation in meetings either by Video Conferencing or visit need to be considered and catered for.</p>																								
III	Technical Drawings & Documentations	<p>Firm(s) would provide the following drawings and documentations along with the equipment/system</p> <table border="1" data-bbox="619 1400 1126 2022"> <thead> <tr> <th data-bbox="619 1400 687 1480">SL NO</th> <th data-bbox="687 1400 1027 1480">Type of Documents/Drawings</th> <th data-bbox="1027 1400 1126 1480">Qty</th> </tr> </thead> <tbody> <tr> <td data-bbox="619 1480 687 1592">(a)</td> <td data-bbox="687 1480 1027 1592">As Fitted Drawings (FINAL GA & MANUFACTURING DRGs)</td> <td data-bbox="1027 1480 1126 1592">4</td> </tr> <tr> <td data-bbox="619 1592 687 1704">(b)</td> <td data-bbox="687 1592 1027 1704">Soft Copy of Drawings (AutoCAD 2010/latest) on CD</td> <td data-bbox="1027 1592 1126 1704">2</td> </tr> <tr> <td data-bbox="619 1704 687 1760">(c)</td> <td data-bbox="687 1704 1027 1760">Material Test Certificate</td> <td data-bbox="1027 1704 1126 1760">4</td> </tr> <tr> <td data-bbox="619 1760 687 1816">(d)</td> <td data-bbox="687 1760 1027 1816">Inspection Certificate</td> <td data-bbox="1027 1760 1126 1816">4</td> </tr> <tr> <td data-bbox="619 1816 687 1895">(e)</td> <td data-bbox="687 1816 1027 1895">Equipment Type Approval Certificates</td> <td data-bbox="1027 1816 1126 1895">4</td> </tr> <tr> <td data-bbox="619 1895 687 1973">(f)</td> <td data-bbox="687 1895 1027 1973">Shock qualification certificate</td> <td data-bbox="1027 1895 1126 1973">4</td> </tr> <tr> <td data-bbox="619 1973 687 2022">(g)</td> <td data-bbox="687 1973 1027 2022">Weight Certificates</td> <td data-bbox="1027 1973 1126 2022">4</td> </tr> </tbody> </table>	SL NO	Type of Documents/Drawings	Qty	(a)	As Fitted Drawings (FINAL GA & MANUFACTURING DRGs)	4	(b)	Soft Copy of Drawings (AutoCAD 2010/latest) on CD	2	(c)	Material Test Certificate	4	(d)	Inspection Certificate	4	(e)	Equipment Type Approval Certificates	4	(f)	Shock qualification certificate	4	(g)	Weight Certificates	4	<p>Requirement of interface interactions /visits required for the formulation of the same are to be firmed at this stage itself. Quantities indicated are only typical and actual quantity may vary from Project to Project.</p>
SL NO	Type of Documents/Drawings	Qty																									
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		(h) Certificate of Compliance of items	2	
IV.	Material / Product delivery	All materials are to be considered as Ex Works (collaborator place) delivery or delivery at GRSE or at the place of End Customer (Based on the finalized contract between GRSE and Collaborator) . During product execution stage, GRSE empowered / nominated officials are to be permitted to visit the firm's premises to oversee the project progress and seek any clarifications/ details (Techno commercial) related to this Project.		Firm should also give undertaking that all Statutory guidelines for production of such type of Marine Products shall be complied in full by the firm. A dedicated 'Project Manager' shall be allocated by the firm for each specific project.
V.	Formulation of Quality Acceptance Plan	QAP for product would be forwarded by Firm(s)		Changes made by inspecting agency if any are to be accommodated.
VI	Product support including maintaining min spares in India and sourcing of required spares within product guarantee and product support periods	The firm would provide product support post-delivery of items by means of direct employee presence and /or authorized reps.		

5. In response to NIT/RFP, the collaborator would be approached by GRSE to design, develop and supply various electrical/electronic equipment and systems as a 'Turnkey' product which would be ultimately supplied by GRSE. The collaborator would, then submit their response against the said RFP within requisite timelines enabling GRSE to submit the final bid to the End-Customer. **The collaborator is also to assist GRSE in final bid preparation.**

6. Response submitted against subject RFP/NIT by Collaborator may be converted to firm order / binding contract by GRSE, following the standard ordering process, as and when need arises post receipt of Award of order / LOI by GRSE. After receipt of firm order, firm will execute the job as turnkey basis. However, firm is expected to undertake preliminary works considering overall project timelines.

7. Mechanism of periodic review towards monitoring the project progress will be formulated and action taken by both parties.

8. GRSE being the primary agency (on whom the order would be placed), is bound to provide (on placement of order) Product Support for 05-25 years and Obsolescence support to its customer as per its requirement **OR** for its entire life time. In the event of change of ownership of the collaborator or collaborator being declared insolvent or any such circumstances wherein the collaborator is not able to support GRSE in meeting its commitment of Product and Obsolescence support, the detailed technical drawings, specifications & all other necessary details would be passed onto GRSE by the Collaborator without any additional cost for necessary support required to be provided by GRSE.

9. The 'Intellectual Property Rights (IPR)' of any design once the same is developed specifically for any project under the collaboration agreement and all Intellectual Property rights of the product shall vest jointly in the firm and GRSE. The collaborator while developing any design shall ensure that GRSE should be completely absolved from any infringement of patent or any Intellectual property rights. The Technical inputs handed over mutually by both parties to each other shall be the Intellectual Property of the respective parties and shall be returned (if requested for) without copying into any form. The same data shall not be used in any other project by a party without prior written permission of the other (discloser).

10. The final technical specifications of each component and system would be shared with the collaborator as and when the said specifications become available to GRSE. However, the broad range will include all categories of electrical equipment / systems onboard weapon or non-weapon intensive Naval Platforms as well as commercial vessels like tankers, MPVs, Tugs, Electric & Hybrid vessels, etc.

11. The QUALIFYING CRITERIA MATRIX for the purpose of short-listing of collaborators is placed at **Annexure-1**. The prospective collaborator shall submit the relevant documents to support the requirements as per aforementioned matrix. The same shall inter alia also include if not already indicated in the matrix the following:

- (a) Collaborator's Company/firm's Profile and experience
- (b) Overview of the Technical personnel employed by the Company.
- (c) Documents to prove past experience.
- (d) Company Registration Certificate
- (e) ISO Standard Certificate
- (f) Audited Balance Sheet of the Company for the preceding 03 Financial Years.
- (g) List of Orders executed by the firm for the similar products

(h) In house design, production, testing and repair capabilities.

(i) For the purpose of this EOI 'Firm' means a partnership/LLP firm /company under Indian laws. (Decision towards acceptance of offer by Proprietorship firm shall be decided by the GRSE Empowered committee)

(j) The said legal entity should have been in existence for a period of at least 5 years on the date of submission of proposal as evidenced by the documents submitted by such entity in its proposal.

12. The firm should have an inhouse quality assurance program which should be in line with globally recognised standards. Further, GRSE reserves the right to inspect and ensure that collaborator supplied products conform to the specifications and product is capable of meeting committed performance as per Customer requirement/order. This could be done through GRSE's own inspectors or through 'Class' representatives. The presence or absence of GRSE representative does not relieve the Collaborator of its responsibility for quality control.

14. Collaborators would be required to enter into an Integrity pact post short-listing.

15. Bidders who are black-listed by any Government (Central/State) or any Government Agency/Entity shall not be eligible to participate in the EOI. All firms are required to submit a certificate /declaration in their letter head. The firm(s) or its Directors should not be barred by any Judicial/Quasi-Judicial orders from doing business. The firm would be required to disclose its ongoing litigations and/or any enquiry proceedings ongoing against it.

16. Bidders not meeting /complying the qualifying criteria at **Annexure-1** and not submitting documents as above, shall not be considered further.

17. A Team from GRSE may visit premises of the firms and interact/seek information to assess capability and capacity of the firm, if considered necessary (post examination of the response to the EOI by the particular firm under reference).

18. It is stated that GRSE reserves the right to enter into individual agreements for each of the products listed in "List of Products Para" in parallel.

19. The EOI shall be submitted which shall inter alia cover the following: -

(a) The firm's willingness (in their letter head) to participate and offer their services for collaboration.

(b) A broad approach and methodology (Project Plan) for the services to be provided.

(c) Supporting documents as sought in Para (11) above.

(d) Specific answers to the questionnaire placed at **Annexure-2**.

(e) Any other information considered relevant.

(Note: - The firms interested in responding to this notice inviting Eoi are encouraged to attend interactive session as per para 3 of Section A of this Notice)

20. Queries, if any, are to be sent immediately and at least 7 (Seven) days before the due date of closure of EOI. No query shall be entertained after the said period.

21. In case response is being submitted in hard copy, the envelope should be superscribed with NOTICE INVITING **“EXPRESSION OF INTEREST” FOR JOINT DEVELOPMENT AND SUPPLY OF VARIOUS ELECTRICAL/ELECTRONICS EQUIPMENT AND SYSTEMS FOR SHIPBUILDING INDUSTRY**” and shall be submitted on or before the due date. Information/documents in response to this Notice seeking EOI may also be forwarded in e-mail to the addressee mentioned in Section A of this EOI.

Enclosure 2
(Refers to Para 5 of Notice Inviting EoI)

SI.No	Description of Items	Specifications																		
1	MSB (415 v, 50 Hz,3 phase)	<p>General specification for Switchboard and other associated equipment shall conform to</p> <ol style="list-style-type: none"> 1. Naval specification EED-Q-264 2. IRS or equivalent IACS classification society rule and regulation requirements 3. Relevant IS and BS Rules as applicable. 4. NES-530-Requirement of Switchgear for Main power supply system. 5. IEC Publication 92-4 Part-4-Electrical Installation in Ships (Switchgear, Electrical Protection, Distribution and control Gear). 6. System is subjected to Environmental Test confirming to JSS-55555 and EMI/EMC Test MIL STD 461 E/F as applicable. 7. All equipment and systems shall be suitable for marine applications and shall achieve the specified output and function smoothly under tropical conditions. 8. System to be developed to cater various sources i.e. Diesel Alternators up to 1MW, shore supply of 415V,3 phase,50 Hz and control supply of 230V AC,1 PH,50 Hz,24V AC/DC <p>Other general specifications are mentioned below.</p> <table border="1"> <tr> <td>NES-501</td> <td>General requirement for the design of Electro Technical equipment</td> </tr> <tr> <td>NES-507</td> <td>Requirement for materials and finishes for Electro Technical equipment</td> </tr> <tr> <td>NES-532</td> <td>Design of electrical supply and distribution system</td> </tr> <tr> <td>DGS-251</td> <td>Painting</td> </tr> <tr> <td>DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013</td> <td>Cable glands</td> </tr> <tr> <td>EED-S-048 & JSS-0251-01</td> <td>Preparation of documents and drawings</td> </tr> </table> <p>Whenever specifications are referred, the latest revision is to be used.</p>	NES-501	General requirement for the design of Electro Technical equipment	NES-507	Requirement for materials and finishes for Electro Technical equipment	NES-532	Design of electrical supply and distribution system	DGS-251	Painting	DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013	Cable glands	EED-S-048 & JSS-0251-01	Preparation of documents and drawings						
NES-501	General requirement for the design of Electro Technical equipment																			
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DGS-251	Painting																			
DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013	Cable glands																			
EED-S-048 & JSS-0251-01	Preparation of documents and drawings																			
2	APMS WITH CONSOLES (230 V, 50 Hz, single phase with UPS back up)																			
3	SHORE CONECTION BOX																			
4	ESB (415 v, 50 Hz,3 phase)																			
5	<p>TRANSFORMERs having (I/P-415 V, 50 Hz, 3phase, O/P-230 V, 50 Hz, 3 phase)</p> <p>Transformer's ratings are 5 KVA to 30 KVA</p>	<p>General specification for Transformer and other associated equipment shall conform to</p> <table border="1"> <tr> <td>EED-Q50-16</td> <td>Specification for centre Tapped Neutral Earthed Transformer</td> </tr> <tr> <td>BS 3399</td> <td>Specification for transformers for use in ships</td> </tr> <tr> <td>NES-535</td> <td>Requirement for transformers for power services</td> </tr> <tr> <td>NES-537</td> <td>Requirements for testing of the transformers</td> </tr> <tr> <td>NES-539</td> <td>Guide to design for portable equipment</td> </tr> <tr> <td>DGS-251</td> <td>Painting</td> </tr> <tr> <td>IS 12603</td> <td>Equipment Enclosure for ingress protection</td> </tr> <tr> <td>DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013</td> <td>Cable glands</td> </tr> <tr> <td>EED-S-048 & JSS-0251-01</td> <td>Preparation of documents and drawings</td> </tr> </table> <ol style="list-style-type: none"> 1. System is subjected to Environmental Test confirming to JSS-55555 and EMI/EMC Test MIL STD 461 E/F as applicable. 2. Type Tests as per clause 0502 of NES 537 3. IRS or equivalent IACS classification society rule and regulation requirements, if any. <p>Whenever specifications are referred, the latest revision is to be used.</p>	EED-Q50-16	Specification for centre Tapped Neutral Earthed Transformer	BS 3399	Specification for transformers for use in ships	NES-535	Requirement for transformers for power services	NES-537	Requirements for testing of the transformers	NES-539	Guide to design for portable equipment	DGS-251	Painting	IS 12603	Equipment Enclosure for ingress protection	DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013	Cable glands	EED-S-048 & JSS-0251-01	Preparation of documents and drawings
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DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013	Cable glands																			
EED-S-048 & JSS-0251-01	Preparation of documents and drawings																			

5	Converter/Inverter (along with UPS capability) 415-230V AC and 24V DC, up to 15 KV	General specification for Trans-Rectifiers, converters and other associated equipment shall conform to	EED-50-34	Transformer Rectifier
6	Trans-Rectifier cum battery charger (I/P=415/230V,50Hz,3Phase/1 Phase, O/P=24V DC) Along with batteries		NES-536	Requirements for static conversion Equipment
			DEF STAN 61-5, part 4	Low voltage electrical power supply system
		<ol style="list-style-type: none"> 1. System is subjected to Environmental Test confirming to JSS-55555 and EMI/EMC Test MIL STD 461 E/F as applicable. 2. IRS or equivalent IACS classification society rule and regulation requirements, if any. <p>Whenever specifications are referred, the latest revision is to be used.</p>		
7	230V AC lighting Distribution Board (DB),	General specification for various DBs and other associated equipment shall conform to		
8	24V DC Emergency DC DB	EED-50-18	Statement of technical requirements 230v 50hz/60hz 3phase 4 wire power panel and 1phase 4 wire distribution box for domestic/portable equipment power supply	
9	415V & 230V AC power Distribution panel	NES-501, section 13	General requirement for the design of Electro Technical equipment	
		DGS-251	Painting	
		DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013	Cable glands	
		EED-S-048	Preparation of documents and drawings	
		EED-Q-264	Requirement for switchboards & Distribution switchgear for IN ships	
		NES-530	Requirement for main & distribution switchgear	
		NES-501, section 16	Earthing and bonding for DBs	
		NECP 500 and MIL-STD-1310H	For Provision of grounding, bonding and shielding	
		<ol style="list-style-type: none"> 1. System is subjected to Environmental Test confirming to JSS-55555 and EMI/EMC Test MIL STD 461 E/F as applicable. 2. IRS or equivalent IACS classification society rule and regulation requirements, if any. <p>Whenever specifications are referred, the latest revision is to be used.</p>		
10	AUTO CHANGE OVER SWITCH [ACOS](415/230 V, 50 Hz, 3phase/1phase) ACOS Ratings from 50A to 400A.	General specification for ACOS and other associated equipment shall conform To		
		EED-Q-264	Requirement for switchboards & Distribution switchgear for IN ships	
		NES-501	General requirement for the design of Electro Technical equipment	
		NES-530	Requirement for main & distribution switchgear	
11	HAND CHANGE OVER SWITCH (415/230 V, 50 Hz, 3phase/1phase) includes Emergency/hand change Over Switch [EHCOS], Remote Operated Change Over Switch [ROCOS] and HCOS with 2 ways with OFF. EHCOS Ratings up to 100A	DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013	Cable glands	
		<ol style="list-style-type: none"> 1. System is subjected to Environmental Test confirming to JSS-55555 and EMI/EMC Test MIL STD 461 E/F as applicable. 2. IRS or equivalent IACS classification society rule and regulation requirements, if any. <p>Whenever specifications are referred, the latest revision is to be used.</p>		

	HCOS Ratings up to 630A ROCOS Ratings up to 400A													
12	Battery Charging Panel Ratings up to 150A	<p>General specification for Battery Charging panel and other associated equipment shall conform to</p> <table border="1"> <tr> <td>EED-50-35</td> <td>Statement of requirement for Battery charging facilities</td> </tr> <tr> <td>NES-537</td> <td>Requirements for testing of the transformers and Static Conversion Equipment</td> </tr> <tr> <td>NES-501</td> <td>General requirement for the design of Electro Technical equipment</td> </tr> <tr> <td>DEF STAN 61-5, Part 4</td> <td>Low voltage electrical power supply system.</td> </tr> <tr> <td>STANAG 1008</td> <td>Characteristics of Shipboard Electrical Power Systems.</td> </tr> <tr> <td>DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013</td> <td>Cable glands</td> </tr> </table> <p>1. System is subjected to Environmental Test confirming to JSS-55555 and EMI/EMC Test MIL STD 461 E/F as applicable. 2. IRS or equivalent IACS classification society rule and regulation requirements, if any.</p> <p>Whenever specifications are referred, the latest revision is to be used.</p>	EED-50-35	Statement of requirement for Battery charging facilities	NES-537	Requirements for testing of the transformers and Static Conversion Equipment	NES-501	General requirement for the design of Electro Technical equipment	DEF STAN 61-5, Part 4	Low voltage electrical power supply system.	STANAG 1008	Characteristics of Shipboard Electrical Power Systems.	DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013	Cable glands
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STANAG 1008	Characteristics of Shipboard Electrical Power Systems.													
DGS/EED/VI/1535/R6/BS4121 or BS 6121/EN 62444-2013	Cable glands													
13	Window Wiper	<p>The wipers should be class approved and conform to ISO 17899. The window wiper including the control panel to operate on 230V, 50 Hz, 1 Phase ship's supply (both lines live).</p> <p>1. System is subjected to Environmental Test confirming to JSS-55555 and EMI/EMC Test MIL STD 461 E/F as applicable. 2. IRS or equivalent IACS classification society rule and regulation requirements, if any.</p> <p>Whenever specifications are referred, the latest revision is to be used.</p>												
14	Patt. / Non.Patt. Junction box (JB)and connection box (CB) Connection Box 2pole 3/4/6 way Junction Box 2/3 pole 4/6/8 way	<p>General specification for various CB and JB's and other associated equipment shall conform to</p> <ol style="list-style-type: none"> All patternised JB's shall be manufactured as per the latest issues of respective DPI(N) drawings All equipment and systems shall be suitable for marine applications and shall achieve the specified output and function smoothly under tropical conditions. The Enclosure for Pattenised junction boxes of Aluminium Alloy conform to BS-1490-1988-LM6 quality of 14 SWG thick and commercial JB shall be Mild steel to MS-513, drip proof construction (up to 45° from vertical) shall conform to specification BS-2817. Non Patternised JB shall be drip proof, bolted cover and suitable for bulk head mounting type. Glands are to be provided as per Naval specification DGS/ EED/ VI/ 1535/R6. 												
16	230V/ 24V DC failure Indication/ Alarm panel	In respect to 24 V supply and commercial 230V user indications (Galley, Fire Fighting, Motor indication).												
17	Various AC motors & control Gears [starters] used in Engine rooms Auxiliaries i.e.Lub Oil pump, Bilge pump, Fuel oil pump, Centrifuge pump, Fresh water pump. Fire pump, Salvage pump and Deck machinery items etc. on-board ship. Output Rating from 0.18 KW to 110 KW having various	<p>All Motors and Control Gears should be manufactured in full compliance with latest requirement of</p> <table border="1"> <tr> <td>EED-Q-071(R4)</td> <td>Specifications of motors and starters for naval ships. Shock and vibration standard as per NSS grade as applicable.</td> </tr> <tr> <td>IS:325</td> <td>Specifications for three phase induction motor</td> </tr> <tr> <td>NES-501</td> <td>General requirement for the design of Electro Technical equipment</td> </tr> <tr> <td>NES-627</td> <td>Rotating Elect. M/C.</td> </tr> <tr> <td>BS 6121/EN 62444-2013</td> <td>Cable glands</td> </tr> <tr> <td>IEC 60945 or IEC 60533</td> <td>For COTs items</td> </tr> </table>	EED-Q-071(R4)	Specifications of motors and starters for naval ships. Shock and vibration standard as per NSS grade as applicable.	IS:325	Specifications for three phase induction motor	NES-501	General requirement for the design of Electro Technical equipment	NES-627	Rotating Elect. M/C.	BS 6121/EN 62444-2013	Cable glands	IEC 60945 or IEC 60533	For COTs items
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NES-627	Rotating Elect. M/C.													
BS 6121/EN 62444-2013	Cable glands													
IEC 60945 or IEC 60533	For COTs items													

	frame size numbers for motors.	Motor is generally to be squirrel cage induction type. Motor should conform to efficiency class IE-29(high Efficiency) as per IS12615: 2011. System is subjected to Environmental Test confirming to JSS-55555 and EMI/EMC Test MIL STD 461 E/F as applicable.												
18.	Electric propulsion motors for Marine Vessels Output rating up to 1MW	Permanent magnet motors or equivalent suitable to cater electric propulsion of Electric/Hybrid marine Vessels. IRS or equivalent IACS classification society rule and regulation requirements, if any.												
19.	Alternators (Up to 1 MW) General Disc :- TYPE : BRUSHLESS, SELF-EXCITED, SELF-REGULATED FREQUENCY : 50Hz SPEED IN RPM : 1,500 VOLTAGE (Ph-Ph/Ph-N) : 415/240 V, NUMBER OF PHASES : 3 EXCITATION SYSTEM : BRUSHLESS WITH PMG VOLTAGE REGULATOR TYPE: SOLID STATE,415V,50Hz WITH QDC VOLTAGE REGULATION	General specification for alternators and other associated equipment shall conform to <table border="1"> <tr> <td>EED-Q-242 (Rev 3) or latest</td> <td>Specifications for AC generators and Alternators for naval Ship</td> </tr> <tr> <td>IS 15999/IEC 60034-1</td> <td>Rotating Electrical Machines. Rating & performance</td> </tr> <tr> <td>IS/IEC 60034-8</td> <td>Rotating Electrical machines. Terminal marking & Direction of Rotation</td> </tr> <tr> <td>IS 10242(part3/Sec 1)</td> <td>Specifications of Electrical installation in ships.</td> </tr> <tr> <td>NES-627</td> <td>Rotating Elect. M/C.</td> </tr> <tr> <td>MIL STD 461 E/F</td> <td>Requirements for the control of Electromagnetic interference characteristics of sub systems and equipment.</td> </tr> </table> System is subjected to Environmental Test confirming to JSS-55555. IRS or equivalent IACS classification society rule and regulation requirements, if any. TEMPERATURE: 40°C MAXIMUM OVER SPEED: 1,800 RPM DE & NDE BEARING: NU228, NUP226 SHAFT MATERIAL: EN24-817M40 (BS-970:1991/ EN10088-3:2014)	EED-Q-242 (Rev 3) or latest	Specifications for AC generators and Alternators for naval Ship	IS 15999/IEC 60034-1	Rotating Electrical Machines. Rating & performance	IS/IEC 60034-8	Rotating Electrical machines. Terminal marking & Direction of Rotation	IS 10242(part3/Sec 1)	Specifications of Electrical installation in ships.	NES-627	Rotating Elect. M/C.	MIL STD 461 E/F	Requirements for the control of Electromagnetic interference characteristics of sub systems and equipment.
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MIL STD 461 E/F	Requirements for the control of Electromagnetic interference characteristics of sub systems and equipment.													
20.	IPMS [integrated platform management system] System for Naval/ marine Vessels	The IPMS [integrated control and monitoring of the various ship's systems including propulsion machinery and associated systems] dual redundant Gigabit Ethernet network shall consist of and be supplied as one system of common technology that achieves seamless integration between the following. (a) Propulsion machinery and associated systems. (b) Power generation machinery, associated auxiliary equipment and systems. (c) Battle Damage Control Station (including NBCD) and Firefighting system (includes Fire Detection and Flood Alarm Systems). (d) Auxiliary machinery and systems. (e) Tank Level Indication System. (f) CCTV System for machinery compartments. Detail design will be based on approved SOTR/build specs of ship/relevant naval documents and specifications.												

Note: For Hybrid and Electric propulsion system, battery systems for AUVs, LTO and LFP Lithium Ion batteries along with BMS, the OEM will be required to evolve the specifications based on various use cases.

QUALIFYING CRITERIA MATRIX

TECHNICAL EVALUATION CRITERIA. The proposed Collaborator firm is required to submit all necessary documents indicated above. The technical proposal will be evaluated on the basis of the documents submitted along with the proposal. The Start-up firms and MSME firms will be given priority. Due preference (if any) will be given to ISO certified firm(s). The technical proposal will be evaluated on the basis of the Firm's experience along with its key personnel.

In the first stage, the technical proposal will be evaluated on the basis of the Firm's experience along with its key personnel. Only those Firms who secure 60 marks or more as per the technical evaluation criteria mentioned in Table below shall be declared as qualified. Firms who have secured less than 60 marks are liable to be rejected. The details of as per Technical Evaluation criteria are tabulated below: -

Technical Evaluation Criteria				
Ser	Evaluation Criteria	Credit	Description	Remarks
1.	Production capacity	4 points in each sub Category (mentioned in Description column herein) (Total-32)	(i) Integrated Production Facility (ii) Material Handling Eqpt. (iii) Secured Warehouse (iv) Internal QC department (v) Logistics / Supply Chain mechanism (vi) Modern machineries, equipment and AC store (vii) In-house design capabilities of electrical and electronic systems and In-house test facility (viii) International offices for post delivery support of exported goods.	Details of each sub conditions to be furnished. The facility needs to be owned by the firm. Hired facilities will not attract any point.
2.	Production Experience with proof of supplied Electrical and Electronics/ control systems as per "description" column of table	3 points in each sub-Category (mentioned in Description column herein) (Total-24)	(i) Experience of the firm in detail design and Manufacturing of hybrid electric propulsion system, development, manufacturing installation, commissioning and after sales service network. The minimum capacity of propulsion system should be more than >1 MW. (ii) Bidder should have in-house manufacturing capabilities for motor, Inverter, Auxiliary power converters and controls required for electrical / propulsion system application. (iii) Bidder should be able to provide turnkey solution as hybrid / electric propulsion system design, development, manufacturing & integration in India with the support of GRSE technical team for all	Details of projects along with certification from Client and relevant Purchase Orders/ documental proof of delivery are to be attached with the proposal

			<p>present and future marine programs.</p> <p>(iv) Bidder should have minimum annual turnover of 1500 cr (last three years) in electric / hybrid propulsion system and Auxiliary power converter systems business. Audited balance sheet should be provided as proof.</p> <p>(v) Entire design, development & manufacturing facility should be located in India to support GOI Atmanirbhar Bharat mission as a make in India initiative.</p> <p>(vi) Bidder should have in-house R&D facility to build various type of propulsion systems in mobility like series hybrid, parallel hybrid and hydrogen fuel cell hybrid with lithium-Ion battery system integration capabilities. Need to show project executed with these types.</p> <p>(vii) Bidder should have made drives of capacity more than 1MW for mobility application in India with own design solution.</p> <p>(viii) Bidder should have developed and supplied vehicle control and management system with more than 3000 I/O's and multiple communication interfaces.</p>	
3.	Clients	2 + 2 points in each sub Category (mentioned in Description column herein)	<p>i. Supply Order of electrical / electronic equipment and systems for Marine applications</p> <p>ii. Supply Order of electrical / electronic equipment and systems for Govt. applications</p>	Min. of 01 Purchase Order for each category.
4.	Class Approved Manufacturer	5	Class Approved/ certified Production facility/ project, ISO Certification, Bonded store house, etc.	Attach necessary certification documents
5.	No. of Employees	10	Min 1000 Direct employees	Self-certification, company annual report copies may be furnished in support

6.	ISO Certification	5	ISO Classification	Details of QA certification from IACS member to be attached with the Proposal.
7.	Business profile	2+2 points in each sub Category (mentioned in Description column herein)	i) Business comfort over anywhere in India with evidential proof (versatility in projects executed). ii) Available resources to do business in overseas	Details of projects along with certification from Client to be attached with the bid.
8.	Financial Criteria	8+8 points in each sub Category	i) Positive net worth as per last audited balance sheet ii) Average annual turnover of more than 1000 cr in last five financial years ending 31 March 2023.	Audited balance sheets / annual reports are to be enclosed.
Min Qualifying Marks > 60, duly qualifying in each Essential Qualifying Criteria				

CHECK LIST FOR PARTICIPATING FIRM

Sr. No	Question	Bidder's response (YES/NO)
1	Is the bidder a registered company in India?	
2.	Is the bidder registered in any other country?	
3	Does the bidder have the requisite experience available to execute the quantum of job indicated in the EOI document? if Yes please furnish the Certificate / Proof?	
4	Does the bidder have past experience in executing orders for government agencies, if Yes, please furnish the Certificate / Proof?	
5	Does the bidder have an average annual turnover of more than 1000 Cr. INR in the last Five Financial Years ending 31 March 2023?	
6	Is the firm presently having a positive net worth?	
7	Is the firm 'Black Listed' by any Govt. or Indian State Govt. agency for any reason, whatsoever? (Self-certificate to be attached as per Annexure 3)	
8	Is the firm submitting an approach and methodology for the services to be provided?	
9	Is the firm ISO certified? If yes, enclose the certificates	
10	Is the firm capable of providing life cycle support for the electrical equipment / systems	
11	Is the firm having in- house production/ repair availability including Test bench facilities	
12	Does the firm agree with the General Terms and conditions (as per Annexure 4)	

**FORMAT OF UNDERTAKING, TO BE FURNISHED ON COMPANY LETTER HEAD,
WITH REGARD TO BLACKLISTING/ NON- DEBARMENT, BY ORGANISATION**

UNDERTAKING REGARDING BLACKLISTING / NON – DEBARMENT

To,

Chief General Manager (PS-NGOPV and Innovation & New Technology)

43/46 Garden Reach Road.

Kolkata 700024

1. This is to notify you that our Firm/Company/Organization <provide Name of the Firm/Company/Organization> intends to submit a proposal in response to invitation for EOI No: dated for providing In accordance with the above we declare that:

- a. We hereby confirm and declare that we, M/s -----
-----, is not blacklisted/ De-registered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services during last 10 years.
- b. We are not involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this assignment.

Sincerely,

[BIDDERS NAME]

Name

Title

Signature -----

Authorized Signatory /Date:

GENERAL Terms and Conditions

1. EOI should be submitted along with prescribed documents only.
2. EOI received after due date and time shall not be accepted under any circumstances and shall be returned unopened. No further correspondence on such responses shall be entertained.
3. Respondents, if so desire, may be present in 'EOI Opening' on production of authorization / Identity certificate. Only one person from each firm will be allowed to be present. However, no separate intimation shall be sent by GRSE in this aspect.
4. EOI submitted should be free from correction, over-writing, use of white Ink etc. However, if any correction is inevitable, the same be authenticated with signature and seal of the firm.
5. All the information/details required to be properly filled in EOI and no column should be left blank or should not be filled with ambiguous/ incorrect details.
6. Each page of EOI (**including Annexures**) should be dated and signed along with seal of the firm.
7. Canvassing in any form shall render the submitted EOI liable for rejection.
8. The firm has to comply with mutually agreed non-disclosure agreement in the event of placement of order.
9. **Standard Note:-**
 - I. For the purpose of this EOI 'Firm' or collaborator means a proprietary/partnership/LLP firm with a legal entity recognized under Indian laws, and in case of a foreign company, should be registered under the laws of such foreign country and eligible to participate in Government of India bid process.
 - II. The firm shall not be in the list of entities blacklisted/ barred from participating in any tender of Government of India or any PSUs.
 - III. Applicants may regularly visit the GRSE website to keep themselves updated regarding clarification/amendments/ time extension etc, if any against the above EOI.
 - IV. The bidder / interested Party must have a valid GST registration certificate.

For any query please contact:

Cmde Rajiv Sreedharan, CGM (PS-NGOPV, IN & NT); email at Sreedharan.Rajiv@grse.co.in
All query are to be sent within shortest possible time but not later than 5(Five) days before the due date of closure of EOI.

10. Evaluation Process

- a) Response from the vendors will be shortlisted based on the evaluation/qualifying criteria given in this document.
- b) The minimum evaluation process is to identify the capable firm for empanelling them in GRSE vendor list.
- c) GRSE Committee (Evaluation Committee) shall evaluate proposals of the Vendors and all supporting documents & documentary evidence. The committee may seek additional documents as it deems necessary.
- d) The decision of the GRSE Evaluation Committee in the evaluation of proposals to the Expression of Interest shall be final. No correspondence will be entertained outside the evaluation process of the Committee.
- e) The Evaluation Committee reserves the right to reject any or all proposals.

11. Cost Of Response To EOI

The Vendors shall bear all the costs associated with the preparation and submission of its proposal, and GRSE will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the evaluation process including cancellation of the EOI.

12. Content of Response To EOI Documents

The Vendors is expected to examine the EOI documents carefully, including all instructions, forms, terms and specifications. Failure to furnish all required information may result in rejection of the vendors. GRSE decision in this regard is final.

13. Clarification On Response

To assist in examination, evaluation and comparison of applications, GRSE may at its discretion, seek from the vendors individual clarification if so required. The request for clarification and the response shall be in writing, fax or e-mail.

14. GRSE Right to Accept or To Reject Applications

GRSE reserves the right to accept or reject any or all the Applications, either in part or full, or the right not to accept the Response, without assigning any reason thereof, whatsoever. In case of any dispute GRSE Evaluation Committee decision in the matter shall be final and legally binding on the Vendors.

15. Response: The Vendor's Response to GRSE and any annotations or accompanying documentation shall be in **English** Language only.

16. All copies of documents submitted along with EOI should be clear, legible and self-certified by the Authorized representative of the Applicant.

17. GRSE reserves the right to physically check the original documents / certificates, the copies of which are submitted along with EOI.

18. The Response shall be signed by a duly authorized person of the firm which is

responding to the EOI, and in the case of a corporation, seal, or otherwise appropriately executed under seal.

19. Vendors shall clearly indicate their legal constitution and furnish documentary evidence thereof by way of authenticated copies of relevant documents and the person signing the proposal shall state his capacity and also the source of his authority to bind the vendors. The power of Attorney or authorization, or any other document constituting adequate proof of the authority of the signatory to bind the vendors, shall be annexed to the proposal submitted. GRSE may reject out- right any Response unsupported by adequate proof of the signatory's authority.

20. The documents of response must be uploaded in GRSE portal / sent through Speed Post / Courier in complete in all respects. Incomplete/ late Responses are liable to be rejected. Physical documents (if any) are to reach to the contact person within the due date / time of offer submission. Same is the responsibility of the bidder / responder.

21. GRSE may nominate reputed members of the Industry/ Academia to assist the Evaluation Committee in scrutinizing the response/application to the EOI.

23. The mode of delivering questions is **through E-Mail only**. No other mode of query shall be entertained. The queries may be raised in the following format.

S. No.	Page No of EOI	Clause of the EOI	Clarification required

N.B: GRSE will endeavour to provide timely response to all queries. However, GRSE makes no representation or warranty as to the completeness or accuracy of any response made in good faith, nor does GRSE undertake to answer all the queries that have been posed by the applicants. The responses to the queries from all Applicants may be posted online /published.

24. Patent and Copyrights

Collaborator should assure GRSE that there is no infringement of any patent or industrial or intellectual property right occasioned by the supply, transfer of designs, documents and connected materials, which are the subject matter the Supply / Purchase order or Contract materials, which is likely to be concluded in case your firm is selected.

An undertaking by the service provider to indemnify GRSE against all costs, expenses and claims of damages made by the third party arising from any alleged infringement of patent or industrial/ intellectual property rights arising or resulting from use of the materials is to be provided. All documentation, results/reports/data used for the respective Cases will be the sole property of GRSE.

NON – DISCLOSURE AGREEMENT

This Non-Disclosure Agreement executed thisDay of2021.

Between

GARDEN REACH SHIPBUILDERS & ENGINEERS LIMITED, a company incorporated under the provisions of the Companies Act, 1956, having its Registered Office at 43/46, Garden Reach Road, Kolkata – 700024, hereinafter referred to as “**GRSE**” (which expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successors-in-interest, administrators and assigns) of the **FIRST PART**.

AND

M/s _____ (with full address)., (which expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successors-in-interest, administrators and assigns) of the **SECOND PART**.

WHEREAS

For purpose of this Agreement, GRSE that discloses confidential information is herein after referred to as the “Disclosing Party” and M/s _____., that receives and or accesses confidential information here under is herein after referred to as ‘Recipient’

WHEREAS _____ - being considered inter alia for the purpose of and as such some of the drawings/documents in connection with the said work are required to be disclosed which shall be treated as confidential and the said _____., shall not disclose or part with such drawings/documents to any other third party, without prior written consent from GRSE.

AND WHEREAS the said M/s _____., is obliged to execute an undertaking in the form of “Non-Disclosure Agreement” on handing over of GRSE and/or Designated Buyer owned data drawings/ documents and also confidential/proprietary drawings or technical information of any other party, as the case may be, to them by GRSE, duly promising and/or undertaking to keep and treat such data, drawings/documents as strictly ‘confidential’.

NOW THEREFORE both GRSE and M/s _____., do hereby agree as follows in the premises aforesaid:-

1. In the Premises aforesaid it is agreed as follows :
 - a) During all discussion and subsequent agreement if any between the parties herein, if any, for execution of the job and also for a period of 10 years from the date of Expiry and/or foreclosure and/or termination of the said agreement, M/s _____., the recipient, undertakes that the data, drawings/ documents so received in any form whatsoever shall be:
 - i) Protected and kept as strictly confidential by them.

- ii) Disclosed to and used only by the persons within the organization of M/s _____, who have a need to know solely for the purpose as described above and for execution of the work if awarded by GRSE subsequently subject to their taking due care and protection of the system and data.
 - iii) Used in whole or in part solely for the purpose intended and for execution of the work if awarded by GRSE subsequently in the manner as ordered by GRSE or to be ordered from time to time exclusively and shall not be exploited for any other purpose or customers.
 - iv) Neither disclosed nor cause to be disclosed directly or indirectly to any third party.
 - v) Neither be copied nor otherwise be reproduced, in whole or in part without prior express consent from GRSE.
 - vi) Returned to GRSE forthwith on demand at any point of time and upon immediate foreclosure /expiry of the contract if subsequently entered.
2. Nothing in this agreement or the disclosure of the information or data or systems, to be intended to be granted or shall be construed as granting to M/s _____, any rights, title, interest or license other than the right to use such data, drawings/documents etc for the purpose intended and for the execution of the contract/job if subsequently awarded by GRSE and shall not be exploited for any other purpose or customers and the property in all the information/data/drawings or documents disclosed by GRSE to M/s _____. In this regard for the purpose of post-bid meeting/discussions or for execution of job if any, to be subsequently awarded by GRSE shall, subject to the rights of the owner, rest with GRSE.
3. Neither party shall resort to any publicity or advertising in respect of this agreement or the subject matter thereof and the subject matter of PO and/ or _____ any Agreement, if any, to be entered into subsequently.
4. M/s _____. shall not make any copies or duplicate in anyway in whole or part any information without the prior written consent of GRSE and where such copies or reproductions are permitted in accordance with this clause, M/s _____. shall treat them strictly confidential in accordance with the provisions of this agreement and comply with the instructions of GRSE with regard to the protection and disposal of them.
5. Expiry, foreclosure or termination of PO or any or all of the subsequent agreements entered into by GRSE and the said M/s _____, if any, in pursuance of the agreed scope, shall not relieve M/s _____ of their obligations under these presents which shall be effective and remain effective and in full force, for a period of 10 years from the date of such expiry/foreclosure/termination.
6. In the event of expiry, foreclosure or termination, M/s _____ shall forthwith return to GRSE, all data and drawings/documents as received by them during tenure of the PO and/or subsequent agreements.

7. Neither party shall assign any PO and / or any Agreement, if any, to be subsequently entered into, without the written consent of the other and should there be any re-organization, merger, take over or the like, its successor-in-interest shall be bound by the conditions of this Agreement.
8. Failure to enforce any provision of this agreement and/or failure to initiate timely action, will not construe to be waiver and GRSE shall be freely entitled to enforce the provisions of this agreement at any appropriate time thereafter.
9. M/s _____. shall indemnify and hold harmless GRSE from and against any action, claim or proceeding and any loss, damage, costs, expenses or liabilities arising out of such action, claim or proceedings, brought by any third party pursuant to any unauthorized disclosure or use of any data/document/drawings/ information by M/s _____., or by any person for whom M/s _____., is responsible under this agreement, or pursuant to any breach of any undertaking, warranty or representation contained in this Agreement.
10. This agreement shall be governed under the Indian Laws and the Courts in the city of Kolkata shall have exclusive jurisdiction to try determine and adjudicate any disputes arising between the parties in relation to this agreement.
11. GRSE' standard arbitration clause as contained in Annexure – I shall apply to this agreement for resolution of disputes between the parties.

IN WITNESS WHEREOF the parties have hereunto set and subscribed their respective hands and seals on the day, month and year first above written.

FOR GARDEN REACH SHIPBUILDERS & ENGINEERS LTD	FOR M/s _____.,
Signature :	Signature :
Name :	Name :
Address :	Address :

WITNESS 1	WITNESS 2
Signature :	Signature :
Name :	Name :
Address :	Address :

(TO BE EXECUTED ON NON-JUDICIAL STAMP PAPER OF Rs. 110)

INTEGRITY PACT

Between M/s. Garden Reach Shipbuilders & Engineers Limited (GRSE) hereinafter referred to as “The Principal”

and

..... hereinafter referred to as “ the Bidder / Contractor”

The Principal intends to award, under laid down organizational procedures, contract for..... The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness /transparency in its relations with its Capital Bidder(s)/ or Contractors(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principals mentioned above.

Section 1 - Commitments of the Principal

[1] The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

- a. No employee of the Principal, personally or through family members, will in connection with the tender for , or the execution of a contract, demand, take a promise for or accept for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- b. The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- c. The principal will exclude from the process all known prejudiced persons

[2] If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard,

the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ Contractor(s)

[1] The Bidder(s) /Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

a. The Bidder(s) / Contractor(s) will not, directly or through any other person or Bidder(bidder), offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

b. The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/Contractor(s) will not use improperly, for purpose of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly the Bidder(s) /Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s) /Contractor(s). Further as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only, copy of the "Guidelines on Indian agent of foreign Supplier" is annexed and marked as annex.

e. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

[2] The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts.

If the Bidder(s)/Contractor(s) before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s) /Contractor(s) from the tender process or act as per the extant procedure of the company.

Section 4 – Compensation for Damages.

(1) If the *Principal* has disqualified the Bidder(s) from the tender process prior to the award according to section 3, the Principal is entitled to demand and recover the damages equivalent to earnest Money Deposit /Bid Security.

(2) If the principal has terminated the contract according to section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5, - Previous Transgression

(1) The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in “Guidelines on Banning of business dealing”.

Section 6 - Equal treatment of all Bidders / Contractors / Sub-contractors.

(1) The Bidder(s) /Contractor(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.

(2) The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Sub-contractors.

(3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidder(s) Contractor(s) / Sub-contractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8 – Independent External Monitor /Monitors

(1) The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

(2) The Monitor is not subject to instructions by the representative of the parties and perform his functions neutrally and independently. He reports to the Chairman GRSE.

(3) The Bidder(s) /Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The monitor is under contractual obligation to treat the information and documents of the Bidder(s) /Contractor(s) /Subcontractor(s) with confidentiality.

(4) The Principal will *provide* to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor, The parties offer to the Monitor the option to participate in such meetings.

(5) As soon as the Monitor notices, or supplier eves to notice, a violation of this agreement, he will so inform the Manae-protalent of the Principal and request the Manae-protalent to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations.

Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

(6) The Monitor will submit a written report to the Chairman, GRSE within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

(7) Monitor shall be entitled to compensation on the same terms as being extended to / provided to Independent Directors on the GRSE Board.

(8) If the Monitor has reported to the Chairman GRSE a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman GRSE has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

(9) The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration:

This pact begins when both parties have legally signed it. It expires for the Contractor 18 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairman of GRSE.

Section 10 – Other provisions:

- 1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal i.e. Kolkata.

- 2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

- 3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

- 4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(For & On behalf of the Principal)
(Office Seal)

(For & On behalf of Bidder/Contractor)
(Office Seal)

Place.....

Date.....

Witness 1:

(Name & Address)

.....

.....

Witness 2:

(Name & Address)