QUESTIONNAIRE FOR EMERGENCY DE-BALLASTING SYSTEM FOR SSK SUBMARINES (MAKE – III)

<u>Ser</u>	<u>Determinants</u>	<u>Firm's Remarks</u>		
Com	pany Details			
1.	Name and registered office address			
2.	Factory/ Work address			
3.	Category of industry – Large scale/ SME/ MSME			
4.	Detais of Supply Orders executed in last 03 yrs			
5.	Organisation structure and details of manpower held:- (a) Technical – Skilled and unskilled. (b) Administrative.			
6.	Past business details with IN			
Financial Status				
7.	Profit and Loss Account			
8.	Average Annual Turnover, in last 03 years	×		
9.	Present Net worth			
10	Present source of finance and borrowing limit (Bank details)			
Te	chnical Details			
11	auxiliaries.			
12	system for submarines			
13	R&D capability and facilities:- (a) Details of R&D infrastructure held (b) Details of technical manpower held for R&D efforts			
14	In-house manufacturing facilities and infrastructure:- (a) Forging (b) Casting 4. (c) Machining (d) Heat treatment (e) Metallurgy (f) CAD/CAM (g) Robotics	× ×		

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_	(h) Tools/ Metrology (facility and	
	calibration accreditation)	
	Simulation capability for testing the	
15.	complete de-ballasting system	
16.	Details of IPR held	
17.	Details of IPR translated to field products	
18.	Quality Assurance:-	
1.57.4534	(a) Organisation structure of QA and QC	
	department.	
	(b) Compliance to ISO 9001:2015 Quality	
	Management system (Certificate to be	
	enclosed)	
	(c) Are the manufacturing/ assembly	
	processes statistically quality controlled. (d) Are all Critical to Quality Processes	
1	(CTP) and parameters Critical to Quality	
	(CTQ) identified.	
	(e) Is the process Capability index (Cpx)	
	measured and ensured more than 1.33.	
19.	Broad plan/ roadmap for design,	
	development, manufacture and delivery of	
	250 Bar High pressure pneumatic bottle	
	along with associated pipings, control and	
	Monitoring system:-	
	(a) Technologies to be acquired/ imported	
	towards development of de-ballasting	
	system.	
	(b) Envisaged indigenous content.	
	(c) Mode of participation: Single/ JV.	
	(d) Incase of JV – List of joint partners.	
	(e) Estimated time for completion of initial	
	design.	
	Estimated timelines for prototype	
1000	development with milestones	
	Estimated timelines for production of final	
	product as per IN requirement, post	
	successful prototype development.	
	Any prior experience in handling	
	de-ballasting system of submarine.	
	Details of standards to be followed for	
	levelopment, manufacture and testing of	
	ngine and its control system.	
- 1	Envisaged indigenous content in the main	
	engine and controls	
	Adequacy of infrastructure capabilities for	I .
	HP Air bottles and associated pneumatic/	
	control components manufacture to meet	
1	N requirements:-	

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	(a) Requirement of setting up of new assembly line or augmenting/repurposing the existing assembly line.(b) Requirement of erecting a new test bed or augmenting/ repurposing the existing test bed.	
26.	Costing:- (a) Cost of prototype development and their basis. (b) Cost of final product and their basis.	
27.	Roadmap for providing onsite after-sales basis:- (a) Spares (indigenous and imported) (b) DI and repair services. (c) Capability to undertake AMC/ RRC/RC	
28.	Any other details that the vendor like to put forwards to the feasibility study board	
29.	Contact details	Name of Officer – Lt Cdr K Rumesl Menon Designation – Lt Cdr (Marine Engg) Tele No. – 011-23010294 Fax No. – 011-23011352 Mobile No. – 9495900304 Email ID – dme-navy@nic.in

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