QUESTIONNAIRE FOR LIGHT WEIGHT HIGH SPEED MARINE DIESEL ENGINE) (MAKE-II)

Ser	<u>Determinants</u>	Firm's Remarks			
Con	Company Details				
1.	Name and registered office address				
2.	Factory/ Work address	, , , ,			
3.	Category of industry – Large scale/ SME/ MSME				
4.	Details 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				
Fina	ncial 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)				
Tech	Technical Details				
11.	Competence in engine design, manufacture and simulation of Diesel engines, stern drive and associated control system.				
12.	R&D capability and facilities:- (a) Details of R&D infrastructure held (b) Details of technical manpower held for R&D efforts				
13.	In-house manufacturing facilities and infrastructure:- (a) Forging (b) Casting (c) Machining (d) Heat treatment (e) Metallurgy (f) CAD/CAM (g) Robotics (h) Tools/ Metrology (facility and calibration accreditation)				

Ser	Determinants		Firm's Remarks	
14.	In-house testing facilities			
15.	foreign manufacturer.	and ctured and ndian/		
16.	Capability to produce engines to IM III specification	O Tier		
17.	Details of IPR held			
18.	Details of IPR translated to field produced	lucts		
19.	Quality Assurance:- (a) Organisation structure of QA and department. (b) Compliance to ISO 9001:2015 (Management system (Certificate enclosed) (c) Are the manufacturing/ assurancesses statistically quality control (d) Are all Critical to Quality Processes and parameters Critical to (CTP) and parameters Critical to (CTQ) identified. (e) Is the process Capability index measured and ensured more than 1	Quality to be sembly lled. cesses Quality		
20.	Broad plan/ roadmap for development, manufacture and deli 6MW Diesel Engine along with ass	design, very of		
	Control and Monitoring system:- (a) Technologies to be acquired/ in towards development of engine. (b) Envisaged indigenous content. (c) Capability of integrating the enging propulsion package. (d) Mode of participation: Single/ JV (e) Incase of JV – List of joint partner (f) Estimated time for completion of design.	nported ine with		100 (40)
21.	Estimated timelines for produced development with milestones	ototype		
22.	Estimated timelines for production product as per IN requiremen successful prototype development			
23.	Details of standards to be follow development, manufacture and te engine and its control system.			

Ser	<u>Determinants</u>	Firm's Remarks
24.	Envisaged indigenous content in the main engine and controls	
25.	Adequacy of infrastructure capabilities for engine production and spare manufacture to meet <i>IN</i> requirements:- (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 – Cdr Deepak K Designation - Cdr (Marine Engg)-Indg Tele No. – 011-23010092 Fax No. – 011-23011352 Mobile No. – 8130025847 Email ID – dme-navy@nic.in