QUESTIONNAIRE FOR TURBOCHARGER (TC) FOR P-75 SUBMARINES (MAKE –II)

Ser	Determinants	Firm's Remarks
Company 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)	
Technical Details		
11.	Competence in design, manufacture and simulation of Diesel Engine (DE) Turbochargers.	
12.	Capability to integrate the developed turbochargers with in service DE.	
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 (c) Machining (d) Heat treatment (e) Metallurgy (f) CAD/CAM (g) Robotics	

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	(h) Tools/ Metrology (facility and calibration accreditation)	
15.	In-house testing facilities	
16.	Capability for simulation testing of developed TC.	
17.	Details of IPR held	
18.	Details of IPR translated to field products	
19.	Quality Assurance:- (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 (CTP) and parameters Critical to Quality (CTQ) identified. (e) Is the process Capability index (Cpx) measured and ensured more than 1.33.	
20.	Estimated timelines for prototype development with milestones	
21.	Estimated timelines for production of final product as per *IN* requirement, post successful prototype development	
22.	Details of standards to be followed for development, manufacture and testing of Turbocharger.	
23.	Envisaged indigenous content in the TC and controls	
24.	Adequacy of infrastructure capabilities for TC production and spare manufacture to meet *IN* 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.	
25.	Costing:- (a) Cost of prototype development and their basis. (b) Cost of final product and their basis.	
26.	Roadmap for providing onsite after-sales basis:- (a) Spares (indigenous and imported) (b) DI and repair services.	

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	(c) Capability to undertake AMC/ RRC/RC	
27.	Any other details that the vendor like to put forwards to the feasibility study board	
28.	Contact details	Name of Officer – Lt Cdr K Rumesh Menon Designation – Lt Cdr (Marine Engg) Tele No. – 011-23010294 Fax No. – 011-23011352 Mobile No. – 9495900304 Email ID – dme-navy@nic.in