



PRELIMINARY FEASIBILITY REPORT

Potential Vendor name	Location	Nearest port of export	Manufactures castings to DIN / ASTM standards specified above	Pressure test facility to 350 bar, oiltight. Yes/No.	Present capacity	Spare capacity	% of exports	Countries of export	Q.C.Equipment	Rough machining facility.	Types of castings produced	Customer references	Budgetory price ex-works.	Feasibility comments
Products to be sourced <small>Prepared by : Ketan B C</small>			Ductile Iron castings to DIN -Standard in GGG-40 and GGG-70 (ASTM A - 536 : 60-40-18 and 100-70-03) in top quality, casting to be oiltight up to 350 bar. Weight of the pcs. can be from 5 to 750 Kg. Parts out of GGG-70 have to be ultrasounded after casting (and after rough machining) to detect any blow holes or porosity. GGG-70 Parts have also to be annealed to pearlite.											
Nelcast Limited www.nelcast.com	Chennai	Chennai	Yes	No.	2500+3500 metric tons per month, in two plants	Not specified, but stipulates a min of 100 tonnes per order.	Proportion not known.	U.S.A. and Sweden	State of the art facilities available. Details available on website and some awaited also.	Yes.		Arvin Meritor, U.S.A	Unable to indicate without seeing drawings.	Feasible to source at competitive costs and assured quality.
Shantala Ductile and Grey Iron Foundry Pvt.Ltd.	Shimoga	Bangalore	Yes.	Yes. Can arrange and their present clients test upto 500 Bar oiltight	500 metric tons per month.	50 metric tons per month	Around 10%	U.S.A	Has all basic Q.C. equipment. Details awaited and will be forwarded to you soon.	No.	Pump Housing	L & T Komatsu, Bangalore	Unable to indicate without seeing drawings.	May be interested in only high volumes and limitation on capacity.
Sukrut Exports	Kolhapur	Mumbai	Yes. Makes majority of ASTM A-536 - 100-70-03	Yes. Can arrange for a test-set up if needed.	250 metric tons per month	50 metric tons per month	100%	Maximum to U.S.A. and Europe	All metal analytical facility for Carbon, silicon etc. Facility to check nodularity in liquid state, before pouring, thus avoiding defects in finished stage. Solid Microstructure and can provide pictures or soft copies More details awaited and will be forwarded to you soon.	Yes. Has CNC lathes, CNC vertical machining centres and conventional lathes	Ductile iron castings for all parts of gear boxes, hydraulic motors valves and pumps, brake housings, etc.	Poclaim, U.S.A., can provide specific references at the appropriate time	Indicates a budgetary price range of \$ 1.35 to \$ 1.45 per Kg. Ex-works. Claims he is a bit expensive, since he does not wish to compromise on quality.	Relatively smaller scale manufacturer. But capable and cost effective.

Conclusion: Client to submit drawings and detailed specifications for its study and specify the services needed from Synergy. Synergy will then submit its proposal for its fees (fixed retainership or percentage of value) covering the services. Upon signing the contract or receipt of a purchase order, Synergy will submit a time base action plan with regular reporting.

Note: This report is compiled purely based on information furnished by the manufacturers of castings and is not binding on Synergy. For ensuring authenticity, a personal visit and first hand assesment by Synergy is recommended.