

MCMV for Indian Navy



MCMV VENDOR MEET



27-29 JUNE 2016

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MAJOR MILESTONES



AON	Feb 2015
ToT Contract	July 2016
Clearance of Build Spec by Navy	July 2016
GSL will seek Budgetary offers	End July 2016
Submission of Budgetary offers by firms	Aug 2016
Submission of Techno-Commercial offer to MoD by GSL	Sept 2016
Tenders for Equipment Procurement	Early 2017



◆ General Dimensions

- Length		59.4 m
- Breadth		10.5 m
- Depth		7.35 m
- Draft	abt	2.80 m
- Displacement, full load	abt	900 Tons

◆ Performance

- Maximum Speed	16 ± 1	Knots (at 85% MCR)
- Cruising Speed	11	Knots
- Hunting Speed	4	Knots
- Sweeping Speed	7	Knots



◆ Endurance

- Cruising range **2000 N.Miles \pm 10% (at 11 Knots)
(with 25% reserve fuel)**
- Stores / Provisions **10 Days**

◆ Accommodation

- Officers **7 (CO+ 6 Officers)**
- Senior Sailors **11**
- Junior Sailors **45**

- Total 63**

◆ Capacities

- Fuel Oil **57.91 tons**
- Lub. Oil **1.37 tons**
- Fresh water **30.00 tons**



◆ Class

- Lloyd's Register (Naval) / Indian Register of Shipping(IRS)

◆ Class Notation

⌘100 A1 NS3 MCMV SA2 + LMC CCS LAP MD(SH, WH1) ELS
LSAE PSMR POL FP1 RSA3 TLA (and equivalent of IRS)



Notation Explanation



Notation	Explanation
✘	New ship construction under LR's special survey.
100	Vessel suitable for sea-going service for LR Hull Naval Class.
A	Vessel iaw LR's Rules and Regulations & maintained in a good and efficient condition.
1	Vessel has on board & good & efficient condition anchoring and mooring equip iaw the rules.
NS3	Vessels having front line role typically below 1500 tonnes displacement operating independently or as part of a task force and are usually designed and constructed for specific roles such as mine sweeping, beach landings, coastal defence or fast patrol duties.
MCMV	Role specification
SA2	Vessels designed to operate in tropical and temperate region.
✘ LMC	The propelling and essential aux m/c construction, installed and tested under LR's Special Survey & iaw LR Rules and Regulations.

Notation Explanation (Contd..)



Notation	Explanation
CCS	When Machinery may be operated with continuous supervision from a Centralised Control Station.
LAP	Lifting appliances fitted (incl Cargo Lifts, Cargo Ramps and Passenger Lifts) designed & built iaw LR's Code for Lifting Appliances in a Marine Environment (LAME) or equiv std & the addtl req of the naval auth or std are complied.
MD	Military aspects of the ship have been constructed under LR's Special Survey & iaw LR's Rules and Regulations.
SH	Shock enhancement notation to withstand an underwater shock compatible with a specified performance level
WH1	Whipping assessment notation - ship is capable of meeting the global structural requirements to withstand an underwater shock compatible with a specified performance level using a simple elastic type analysis.
ELS	The quality and integrity of on board electrical power supplies meet the requirements of STANAG 1008 or similar standard.
LSAE	Life-saving and Evacuation Arrangements will be assigned to naval ships which demonstrate the provision of life-saving and rescue equipment on board as per IMO International Conventions

Notation Explanation (Contd..)



Notation	Explanation
PSMR	Main propulsion and steering systems are configured such that, in the event of a single failure in equipment, the ship will retain not less than 50% of the installed prime mover capacity and not less than 50% of the installed propulsion systems and retain steering capability.
POL	Pollution Prevention will be assigned to naval ships which demonstrate that the pollution prevention arrangements on board that incorporate IMO International Conventions and that have been accepted by LR in accordance with LR's Rules.
FP1	Fragmentation protection notation – Vessel is capable of meeting the local structural requirements to withstand a defined fragmentation threat compatible with a specified performance level using the rule structural requirements
RSA3	Residual strength assessments, is verified using a recognised finite element code suitable for this type of analysis. The failure will be determined by the criteria implicit in the finite element code.
TLA	Total Load Assessment notation, The ship's structure is examined using a total load approach and stress analysis techniques

PROJECT SCHEDULE



MCMV	Start Production	Delivery
1st	Apr-18	Apr-21
2nd	Jan-19	Jan-22
3rd	Oct-19	Oct-22
4th	Apr-20	Jan-23
5th	Oct-20	Jul-23
6th	Apr-21	Jan-24
7th	Oct-21	Jul-24
8th	Apr-22	Jan-25
9th	Oct-22	Jul-25
10th	Apr-23	Jan-26
11th	Oct-23	Jul-26
12th	Apr-24	Jan-27

Hull Construction



- ◆ **Main Hull : GRP, non-stiffened single skin**
- ◆ **Deck / Bulkhead / Superstructure : GRP, Reinforced with stiffeners**
- ◆ **GRP Materials**
 - **Chopped Strand Mat : 300, 450, 600 g/m²**
 - **Woven Roving : 860 g/m²**
 - **Resin : Unsaturated Iso-phthalic Polyester Resin**

Major Equipments



◆ Propulsion System

- | | |
|---------------------------------|-------------|
| - Propulsion | 2 x 1,430Kw |
| - Propulsors | 2 x VSP |
| - Bow Thruster | 1 x 100Kw |
| - Aux. Propulsion (Elec. Motor) | 2 x 100Kw |
| - IPMS | 1 set |



Purchase preference to Indian manufacturers to promote 'Make in India' policy of GOI.

Applicable to:-

- **Indian firms quoting in Indian Rupees**
- **Minimum 30% indigenous content**
- **Quoting a maximum up to 10% higher than foreign L1 firm**
- **Acceptance of L1 price**

Modality of Purchase Preference:

Purchase Value	Purchase preference
Upto Rs 1 Cr	10%
Rs 1 Cr – 5 Cr	7%
Above 5 Cr	5%

✘ GSL procurement manual may be referred for details.

Equipment List



◆ Hull Equipment List per Ship

Equipment	Specification	Q'ty (set)	Remark
Anchor, Chain	765kg, 28mm Ø	2	
Anchor Windlass	Rated load, 4.4ton	1	
Mooring Capstan	Rated load, 2.5ton	1	
Crane	1.5ton x 7.5m	2	
HVAC System	with NBC protection	1	NES 102, Issue-3
RIB	4.7m, GRP	1	
Gemini Boat	Rubber Boat	1	
Furniture	Modular Accommodation	1	

Timeline for Hull Eqpt



Equipment	MCMV-1	MCMV-2	MCMV-3	MCMV-4	MCMV-5	MCMV-6	MCMV-7	MCMV-8	MCMV-9	MCMV-10	MCMV-11	MCMV-12
Anchor & Chain	Jun-20	Mar-21	Dec-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24	Sep-24	Mar-25	Sep-25	Mar-26
Anchor Windlass	May-20	Feb-21	Nov-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24	Sep-24	Mar-25	Sep-25	Mar-26
Crane, Knuckle	Apr-20	Jan-21	Oct-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25	Aug-25	Feb-26
HVAC System	Nov-19	Aug-20	May-21	Sep-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24	Sep-24	Mar-25	Sep-25
4.7M RIB	Aug-20	May-21	Feb-22	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25	Nov-25	May-26
Single Arm Davit for 4.7M RIB	Apr-20	Jan-21	Oct-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25	Aug-25	Feb-26
Diving Equipment	Jan-21	Nov-21	Aug-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25	Nov-25	May-26	Nov-26
AC PLANTS	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
Refrigeration Plant	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
Glass	Mar-18	Dec-18	Sep-19	Mar-20	Sep-20	Mar-21	Sep-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24
Resin	Mar-18	Dec-18	Sep-19	Mar-20	Sep-20	Mar-21	Sep-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24
Other Hull consumables	Aug-18	Jun-19	Mar-20	Aug-20	Feb-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24
Decompression Chamber	Mar-19	Dec-19	Sep-20	Feb-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25
Winch, Mechanical Sweep	Mar-20	Dec-20	Sep-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26
Mechanical Sweeping System	May-19	Feb-20	Nov-20	Apr-21	Oct-21	Apr-22	Oct-22	Apr-23	Oct-23	Mar-24	Oct-24	Apr-25

Equipment List



◆ Engineering Equipment List (1/2) per Ship

Equipment	Specification	Q'ty (set)	Remark
Main Propulsion Engine	1430Kw x 1900rpm	2	with G/B
Cycloidal Propulsar	VSP, 24GH	2	
IPMS	with IMCS, BDCS etc	1	
Aux. Propulsion	Electric motor, 100Kw	2	
Bow Thruster	Electric, 100Kw	1	Reversible Type
Diesel Generator	350Kw, 50Hz, 415V	3	or Equivalent
Emc'y Diesel Generator	120Kw, 50Hz, 415V	1	
Fire & Bilge Pumps	Centrifugal, 43m ³ /hr x 80m	4	
Fresh Water Pump	Centrifugal, 6m ³ /hr x 45m	2	
FO Transfer Pump	Gear, 8m ³ /hr x 45m	2	
LO Transfer Pump	Gear, 1m ³ /hr x 35m	1	
FO Purifier	Centrifuge Type, 1m ³ /hr	2	Manual cleaning type
LO Purifier	Centrifuge Type	2	Manual cleaning type

Equipment List



◆ Engineering Equipment List (2/2) per Ship

Equipment	Specification	Q'ty (set)	Remark
Emc'y Air Compressor	D/E driven	1	
Fire Fighting System	CO2 / Foam	1	
RO Plant	Reverse Osmosis, 10ton/day	2	
Oily Water Separator	1m ³ /hr	1	
DPS	IMO, DP Class-1	1	
STP	with Vacuum Toilet System	1	
Salvage Pump	150TPH	2	
Emc'y Fire Pump	57m ³ /hr	1	

Timeline for Engineering Eqpt



Equipment	MCMV-1	MCMV-2	MCMV-3	MCMV-4	MCMV-5	MCMV-6	MCMV-7	MCMV-8	MCMV-9	MCMV-10	MCMV-11	MCMV-12
M/E W Gearbox	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
Generator	Aug-19	May-20	Jan-21	Jun-21	Dec-21	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25
VSP	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
B/T with Power Pack	May-19	Feb-20	Nov-20	Apr-21	Oct-21	Apr-22	Oct-22	Apr-23	Oct-23	Mar-24	Oct-24	Apr-25
Emcy' Generator	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
IPMS	Jun-20	Mar-21	Dec-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24	Sep-24	Mar-25	Sep-25	Mar-26
Breathing Air Compressor	Dec-20	Sep-21	Jun-22	Sep-22	Mar-23	Sep-23	Mar-24	Sep-24	Mar-25	Sep-25	Mar-26	Sep-26
Tank Level Indication System	Jun-20	Mar-21	Dec-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24	Sep-24	Mar-25	Sep-25	Mar-26
Seawage Treatment Unit	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
Vacuum Toilet System	Jan-20	Oct-20	Jul-21	Nov-21	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25	Nov-25
Air Compressor	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
Emergency Compressor	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25

Timeline for Engineering Eqpt (contd..)



Equipment	MCMV-1	MCMV-2	MCMV-3	MCMV-4	MCMV-5	MCMV-6	MCMV-7	MCMV-8	MCMV-9	MCMV-10	MCMV-11	MCMV-12
Oily water Separator	Oct-19	Jul-20	Apr-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25	Aug-25
Fire & Bilge pump	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
F.W. Pump	Jan-20	Oct-20	Jul-21	Nov-21	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25	Nov-25
F.O. Transfer Pump	Mar-20	Dec-20	Sep-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26
L.O. Transfer Pump	Mar-20	Dec-20	Sep-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26
Salvage Pumps #1	Mar-20	Dec-20	Sep-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26
EmcyFire Pump	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
Portable Transfer Pumps	Mar-20	Dec-20	Sep-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26
R.O Plant	Sep-19	Jun-20	Mar-21	Jul-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25
F.O Purifier	Nov-19	Aug-20	May-21	Sep-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24	Sep-24	Mar-25	Sep-25
L..O Purifer	Nov-19	Aug-20	May-21	Sep-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24	Sep-24	Mar-25	Sep-25

Equipment List



◆ Electrical Equipment List (1/2) per Ship

Equipment	Specification	Q'ty (set)	Remark
Degaussing System	Computerized tri-axial	1	
APMS	PLC type	1	
MSBD	with Air Circuit Breaker	2	
IBS	ECDIS, MFC etc	1	
MBSRE	Analog type	1	
Transformer	for Lighting, 36KVA	2	
Signaling Projector	15"	2	
Window Wipers	Straight Line type	1	
Electric Whistle	415V AC, 230V AC, 24V DC	1	

Equipment List



◆ Electrical Equipment List (2/2) per Ship

Equipment	Specification	Q'ty (set)	Remark
Navigation Lights	DC 24V	1	
Search Light	Remote control type	2	
Transformer Rectifier	DC 24V, 300A	2	
Emc'y Switch Board	AC 415V, 3 ϕ , 50HZ, 120Kw	1	
ICAF	Impressed Current Anti-fouling	1	(MGPS)

Timeline for Electrical Eqpt



Equipment	MCMV-1	MCMV-2	MCMV-3	MCMV-4	MCMV-5	MCMV-6	MCMV-7	MCMV-8	MCMV-9	MCMV-10	MCMV-11	MCMV-12
Degaussing System	May-19	Feb-20	Nov-20	Apr-21	Oct-21	Apr-22	Oct-22	Apr-23	Oct-23	Mar-24	Oct-24	Apr-25
Hull Mount Sonar	Nov-18	Sep-19	Jun-20	Nov-20	May-21	Nov-21	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24
CCS	Aug-20	May-21	Feb-22	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25	Nov-25	May-26
Side Scan Sonar	Nov-18	Sep-19	Jun-20	Nov-20	May-21	Nov-21	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24
AUV	Mar-20	Dec-20	Sep-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26
R.O.V	Mar-20	Dec-20	Sep-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26
UEP / ELFE	Mar-20	Dec-20	Sep-21	Jan-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26
Radar	Jul-20	Apr-21	Jan-22	Apr-22	Oct-22	Apr-23	Oct-23	Apr-24	Oct-24	Apr-25	Oct-25	Apr-26
Gyro Compass	Jul-20	Apr-21	Jan-22	Apr-22	Oct-22	Apr-23	Oct-23	Apr-24	Oct-24	Apr-25	Oct-25	Apr-26
DGPS & GPS	Jul-20	Apr-21	Jan-22	Apr-22	Oct-22	Apr-23	Oct-23	Apr-24	Oct-24	Apr-25	Oct-25	Apr-26
Chart Table	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
ECDIS	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
Doppler Log	Mar-19	Dec-19	Sep-20	Feb-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25

Timeline for Electrical Eqpt (contd..)



Equipment	MCMV-1	MCMV-2	MCMV-3	MCMV-4	MCMV-5	MCMV-6	MCMV-7	MCMV-8	MCMV-9	MCMV-10	MCMV-11	MCMV-12
DPS	Aug-20	May-21	Feb-22	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25	Nov-25	May-26
IBS	Oct-20	Jul-21	Apr-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26	Jul-26
ESM	Jan-21	Oct-21	Jul-22	Oct-22	Apr-23	Oct-23	Apr-24	Oct-24	Apr-25	Oct-25	Apr-26	Oct-26
AIS	Oct-20	Jul-21	Apr-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26	Jul-26
Battery Charger (PGD)	Apr-20	Jan-21	Oct-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25	Aug-25	Feb-26
Frequency Converter (PGD)	Aug-20	May-21	Feb-22	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25	Nov-25	May-26
MSBD	Oct-19	Jul-20	Apr-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25	Aug-25
Emcy'MSB (PGD)	Oct-19	Jul-20	Apr-21	Aug-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25	Aug-25
Trisponder System	Jul-20	Apr-21	Jan-22	Apr-22	Oct-22	Apr-23	Oct-23	Apr-24	Oct-24	Apr-25	Oct-25	Apr-26
Wind Speed and Direction Indicator	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
Magnetic Compass	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
Hand Held GPS	Jan-21	Nov-21	Aug-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25	Nov-25	May-26	Nov-26
IFF Trisponder	Jan-21	Oct-21	Jul-22	Oct-22	Apr-23	Oct-23	Apr-24	Oct-24	Apr-25	Oct-25	Apr-26	Oct-26
CCTV	Aug-20	May-21	Feb-22	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25	Nov-25	May-26
INCRETE (Indian Navy Common Range Electronic Test Equipment)	Nov-20	Aug-21	May-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25	Aug-25	Feb-26	Aug-26

Timeline for Electrical Eqpt (contd..)



Equipment	MCMV-1	MCMV-2	MCMV-3	MCMV-4	MCMV-5	MCMV-6	MCMV-7	MCMV-8	MCMV-9	MCMV-10	MCMV-11	MCMV-12
Rear Time Communication	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
CCS	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
1Kw HF Tx	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
MSS Tx / Rx Terminal	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
Internal Communication System	Jul-20	Apr-21	Jan-22	Apr-22	Oct-22	Apr-23	Oct-23	Apr-24	Oct-24	Apr-25	Oct-25	Apr-26
GMDSS	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
INMARSAT C	Oct-20	Jul-21	Apr-22	Jul-22	Jan-23	Jul-23	Jan-24	Jul-24	Jan-25	Jul-25	Jan-26	Jul-26
Under Water Telephone	Jul-19	Apr-20	Jan-21	May-21	Nov-21	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25
EM-LOG	Jul-19	Apr-20	Jan-21	May-21	Nov-21	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25
Echo Sound	Jul-19	Apr-20	Jan-21	May-21	Nov-21	May-22	Nov-22	May-23	Nov-23	May-24	Nov-24	May-25
SIRS	Sep-20	Jun-21	Mar-22	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24	Dec-24	Jun-25	Dec-25	Jun-26
Public Announcing System	Apr-20	Jan-21	Oct-21	Feb-22	Aug-22	Feb-23	Aug-23	Feb-24	Aug-24	Feb-25	Aug-25	Feb-26

Way Ahead



Handing over of Technical Specifications to Equipment Suppliers	Completed
Placement of Commercial Terms on GSL website	Completed
GSL will seek Budgetary offers	End July 2016
Submission of Budgetary offer	Aug 2016
Submission of Techno-Commercial offer to MoD by GSL	Sept 2016
Tenders for Equipment Procurement	Early 2017

GSL Contact Persons for Hull Equipment



Name	Contact No	E-mail Address
Mr. Thomas Verghese	0832-2513827 9422971041	thomasverghese@goashipyard.com
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GSL Contact Persons for Engg. Equipment



Name	Contact No	E-mail Address
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GSL Contact Persons for Elec. Equipment



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Thanks For



Your Attention