

APPROVAL OF SERVICE SUPPLIERS

This is to certify that

A. S. Moloobhoy Pvt. Ltd.

MUMBAI, India

is granted acceptance for

Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear , in accordance with Class Programme DNVGL-CP-0484.

This service supplier certificate will be accepted for use with all rule sets published by DNV GL.
See the following page(s) for details regarding application.

This Certificate is valid from **2020-03-30** to (inclusive) **2023-03-29**.

This Certificate is issued on **2020-12-02**.



for **DNV GL**

This document has been digitally signed and
will therefore not have handwritten signatures

Basu, Partha
Surveyor

This Certificate may be withdrawn if:

1. The service provided has been improperly carried out or the results improperly reported.
2. The surveyor has found any deficiencies in the accepted operating systems of the service supplier.
3. The firm has failed to inform of any major changes having effect on the quality of the service rendered.
4. The conditions listed in the certificate are changed and/or are not fulfilled.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Application:

This Service Supplier is approved for maintenance, thorough examination, operational testing, overhaul and repair of the following equipment:

S.No.	OEM	Makes & type (model and/or series) of equipment
1	HLB Co., Ltd. South Korea	Life Boat & Rescue boat Series: HD, HT, HDL , HLB, HDFL, HDFN,HDR ,HDFR ----- Release mechanism: THP, TALON & TALON II
2	BADA Heavy Industries Co., Ltd. South Korea. Subsidiary of HLB.	Davit series: BDH, BDTD, BDHP, BDTW, BDRW, BDM, BFOD, HDFL, HDF, BDF, BDR, BDH, BDA, BDFA, BDL, BDR, BHI ----- Winch series: BAW, BDF, BLW, BMW, BRW, BWL, BWR & FHW ----- Release mechanism: Series of BDR, BHA & BHR
3	Jiangsu Jiaoyan Marine Equipment Co Ltd., China	Freefall LB: JY-FN-4.9, JY-FF-4.9, JY-FN-5.8, JY-FF-5.8, JYM-FN-6.65, JYM-FF-6.65, JY-FN-6.8, JY-FF-6.8, JY-FN-7.5 , JY-FF-7.5, JY-FN-8.5, JY-FF-8.5 ----- Rescue Boat : GJ- 4.2 / GJ – 4.25 /GJ-4.5/GJ-5.0/GJ-5.25/GJ 6.0B-1/GJ 6.10/GJ7.50/GJ 8.0Q-2/GJ8.5Q-2 ----- Totally Enclosed Life Boat : JY-QFP/N.50, JY-QFP/N.5.25, JY-QFP/N.6.0A, JY-QFP/N.6.50, JY-QFP/N.7.0, JY-QFP/N. 7.5, JY-QFP7.50A,JY-QFP-N/8.00,JY-QFP/N-8.50/JY-QFP-N-8.50X,JY-QFP/N-9.35,JY-QFP/N-10.90 A ----- Luffing Arm Davit: JYL 52, JYL 55, JYL 65, JYL 85, JYL 105, JYL 135 ----- Platform davit: JYP 65 , JYP 85 , JYP 105 , JYP 135 ----- Launching appliances: JFF55, JFF 75, JFF 90 ----- Single arm davit: JYR 21/JYRC 21/JYR14/JYRH14/JURH21 ----- Electric boat winch: JYW42/JYW 50/ JYW 70/JYW 100/JYWP 70/JYWP100/JYWP 135
4	Jiangyin Woolong F.R.P. Boat Co.,Ltd., China.	Totally enclosed lifeboat: JY50C/F,JY50CA/FA,JY57C/F,JY60C/E/F,JY65C/F,JY70C/F,JY80C/F, F.JY80CA/FA JY85C/F,JY85CA/FA, JY85CB/FB,JY93C/F,JY102/F,JY117C/F ----- Free fall lifeboat: JY49CF/FF,JY59CF/FF,JY67CF/FF,JY85CF/FF,JY109CF/FF ----- Rescue boat: JY40KR,JY42KR,JY45DR.JY45KR,JY50R,JY54KR.JY60KR.JY65KR,JY75KR,JY85KR ----- Partially enclosed lifeboat: JY70P, JY80P, JY85P ----- Open type lifeboat: JY45KR,JY55K,JY65K,JY70K,JY75K,JY80K,JY85K ----- Gravity luffing arm type davit: JY LE65, JY LE85, JY LE100, JY LE150 ----- Launching appliance of freefall lifeboat: JY-FH 55, JY FH70, JY FH90, JY FH155 ----- Platform davit: JY,PL-70, JY PL 110 , JY PL150, JY PL185, JY PL215 ----- Single Arm Boat/ Raft Davit: JY-SAF21,JY-SAF23,JY-SA23S,JY-SA37S,JY-SR33S,JY-SAF33,JY-HSR23/16, JY-HSR33/23,JY-FCR2066,JY-FCR2305 ----- Rescue Boat Davit: JY-PLR21,JY-LFR27,JY-LRHE30,JY-LRHE70,JY-LFR35,JY-

		<p>SAP14,JY-SAP30</p> <p>-----</p> <p>Gravity Overhead rolling type davit: JY-HE70,JYHE95,JY-HE120,JY-HE155</p> <p>-----</p> <p>Telescopic Boom Type Davit: JY-TBD 120,JY-TBD 215, JY-TBD35</p> <p>-----</p> <p>Hydraulic Luffing Arm Type Davit: JY-GYE70, JY-GYE120,JY-GYE185</p> <p>-----</p> <p>Connecting Rod Type Davit: JY-GL70,JY-GL95,JY-GL120,JY-GL185</p> <p>-----</p> <p>Winch: JY-SAP14,JY-D23Z,JY-D23/16Z,JY-SAFC23,JY-D33/23Z,JY-SAF33,JY-LRHE30, JY-PLR21,JY-LFR27,JY-LRHE70, JY-D50S/Z,JY-D70S/Z,JY-D85S/Z,JY-D110S/Z,JY-DW125S,JY-DP110S/Z, JY-DP150/Z,JY-DP185,JY-DP215</p> <p>-----</p> <p>Release Mechanism of lifeboat / Rescue Boat: HK40,HK40A,HK50B,HK50A,FHK70,HK70,HK115,LB60MR,LB80MR,LB120MR, FHK80,FHK90,LB35MRS,LB70MRS</p>
5	Jiangyinshi Beihai LSA CO.,LTD., Jiangyin City,Jiangsu Province,China.	<p>BOAT: SERIES OF SC,JYB</p> <p>-----</p> <p>HOOK: SERIES OF JYBHK</p> <p>-----</p> <p>DAVIT: SERIES OF SM,SAC,SA,FA,LB,LA,BHGH,PD,FRH,EHRD,SRH,BHGP,RB,HB,HDC,ESAD</p>
6	Oriental Inspection & Service Co., Ltd. South Korea	<p>HINGED GRAVITY TYPE DAVIT & WINCH DAVIT:</p> <p>-----</p> <p>DAVIT : HGD SERIES, HGK SERIES, SHS SERIES, RTD SERIES, DHA SERIES, DMA SERIES</p> <p>-----</p> <p>WINCH : BWE SERIES, SWE SERIES, WL SERIES</p> <p>-----</p> <p>FREE FALL DAVIT & WINCH: FD SERIES, WL SERIES</p> <p>-----</p> <p>RESCUE / LIFRAFT DAVIT & WINCH: RD SERIES, RDW SERIES</p>
7	Qingdao Beihai Shipbuilding Heavy Industries Co., Ltd., China.	<p>Lifeboat Total Enclosed: BH-5,5A,5S,5SA,E500,E585,6,6A,6S,E670,7A,7B,8</p> <p>-----</p> <p>Freefall: BH-F6.0,F7.0A,F7.8,F8.1,F5.8,F6.8,F660,F670,F750,F900A</p> <p>-----</p> <p>Rescue: BH-R4,R4S,R4SA,R5S</p> <p>-----</p> <p>Gravity Pivot: BD-PV50,PV60,PV60S,PV85,PV125</p> <p>-----</p> <p>Freefall Launching: BD-FF55,55A,55R,FF80,80A,80R,80B,FF65/66/67,FF85</p> <p>-----</p> <p>Single Arm: BD-SA14,14A,14B,SA21,21A,SA23,SA30,30A,SA33,SH23</p> <p>-----</p> <p>Winch: BW-H(L/R)31,50,63,75;L(L/R)75,125;SC14;21</p> <p>-----</p> <p>Release Mechanism: Gravity Lifeboat: BG-3,3L,BG-7;BH-HOOK3,HOOK5,FS5,FS7</p> <p>-----</p> <p>Freefall Lifeboat: BG-3.5F,4F,4.5F,4.5FL,5F,6F</p> <p>-----</p> <p>Rescue Boat: BG-2R,15KNXS,25KNXS,35KNXS</p>
8	Sekigahara Seisakusho Ltd., Japan.	<p>Gravity type davit: SH, SFB, SHS, STS, SSS</p> <p>-----</p> <p>Free-fall lifeboat davit: SFS, SFA, SFB, SFC, SFD</p> <p>-----</p>

		<p>Rescue boat davit: SJS, SJR</p> <p>-----</p> <p>Winch: SNW, SWE</p>
9	<p>Wuxi Huahai Marine Equipment Factory, DONGHUTANG TOWN, WUXI CITY, JIANGSU PROVINCE, CHINA</p>	<p>Gravity luffing arm davit: HML60, HML 85</p> <p>-----</p> <p>Free fall lifeboat launching appliances: HMD55F, HMD70F</p> <p>-----</p> <p>Rescue boats/life rafts launching appliances: HMD21D, HMD25T, HMD25, HMD32, HMD21</p> <p>-----</p> <p>Electrical boat winch: HMW21, HMW25, HMW50, HMW75, HMW100, HMW110, HMW140, HMW185</p> <p>-----</p> <p>Rescue boats launching appliances: HMD14A, HMD30A, HMD30A2</p>
10	<p>Zhenjiang Matchau Marine Equipment Co., Ltd., China.</p>	<p>LIFE BOAT MODEL: MM50C I&II/MM50F-I&II/MM57-C&F/MM65-CI&II/MM65F-I&II/MM70-C&F/MM58-C&F/MM80-C&F/MM85-C&F/MM93-C&F/MM102-C&F/MM117-C&F</p> <p>-----</p> <p>FREE FALL LIFE BOAT: MM49-C&F/MM59-C&F/MM60-C&F/ MM67-C&F/MM85-C&F/MM105-C&F/MM14S-C&F/MM(E406)</p> <p>-----</p> <p>RESCUE BOAT: MM40KR/MM40R/MM42KR/MM4SDR/MM45KR</p> <p>-----</p> <p>FAST RESCUE BOAT: MM45FR/MM50R/MM60FR-I&II/MM65FR/MM667FR/MM75FR/MM85FR/MM86FR</p> <p>-----</p> <p>TOTALLY ENCLOSED FAST RESCUE BOAT: TEFRB 65,78,80</p> <p>-----</p> <p>PARTIALLY ENCLOSED LIFEBOAT /RESCUE BOAT: MM70P/MM80P/MM85P/MM88P/MM93P/MM96P</p> <p>-----</p> <p>OPEN TYPE FRP LIFEBOAT: MM45K/MM55K-I&II/MM65K/MM70K/MM75K-I&II/MM80K/MM85K</p> <p>-----</p> <p>RIGID INFLATABLE FENDER RESCUE BOAT: MM45R/MM45Q</p> <p>-----</p> <p>RIGID INFLATABLE FAST RESCUE BOAT: MC65Q/MC78Q</p> <p>-----</p> <p>RAMP LAUNCHING FAST RESCUE BOAT: MC 65W/ MC78W</p> <p>-----</p> <p>FLOOD PROTECTING RESCUE BOAT: MM40E/MM59E</p> <p>-----</p> <p>FREE FALL DAVIT: FH-55,70,75,85</p> <p>-----</p> <p>SINGLE ARM SLEWING BOAT/RAFT DAVIT &CRANE: SAF 14/SAFC21/SA21/SAF25</p> <p>-----</p> <p>LAUNCHING APPLIANCES OF FAST RESCUE BOAT A-TYPE: LFR-15,21,27,35,55</p> <p>-----</p> <p>LAUNCHING APPLIANCES OF FAST RESCUE BOAT L-TYPE: ZG-21,27</p> <p>-----</p> <p>CONNECTING ROD TYPE DAVIT: GL-65,85,110,138,180</p> <p>-----</p> <p>HYDRAULIC HANDSPIKE TYPE DAVIT: TG-65,85,110,130,180</p> <p>-----</p> <p>OFFSHORE DAVIT: PL65,85,110,138</p> <p>-----</p>

		<p>GRAVITY LUFFING ARM TYPE DAVIT: LE65,85,105,138,170</p> <p>-----</p> <p>GRAVITY OVERHEAD BOAT DAVIT: HE65,85,100,138,170</p> <p>-----</p> <p>GRAVITY ROLLING TYPE BOAT DAVIT: RE50,60,80,105</p> <p>-----</p> <p>ACCUMULATOR TYPE DAVIT: SRH65,85,120,170,200</p> <p>-----</p> <p>ELECTRICAL HYDRAULIC SLEWING CRANE: HDC1-10,20/HDC2-5,10,20/HDC3-5,10,20/HDC4-5,10/HDC5-15,20/HDC6-15/HDC8-10,20/HDC10-15,20/HDC15-20</p> <p>-----</p> <p>HYDRAULIC FOLDING TELESCOPIC CRANE: HFTC1-10,15/HFTC2-10,15/HFTC3-10,15/HFTC4-10,15/HFTC5-10,15/HFTC8-15/HFTC10-15</p> <p>-----</p> <p>HYDRAULIC FOLDING CRANE: HFC1-10,15/HFC2-10,15/HFC3-10,15/HFC4-10,15/HFC5-10,15/HFC8-15/HFC10-15/HFC15-15</p> <p>-----</p> <p>HYDRAULIC TELESCOPIC CRANE: HTC1-15,20/HTC2-15,20/HTC3-15,20/HTC4-15,20/HTC5-15,20/HTC8-15/HTC10-15</p> <p>-----</p> <p>ELECTRICAL SLEWING CRANE: EDC1-5,10/EDC2-8/EDC3-12/EDC4-5,10/EDC7-10/EDC10-15</p> <p>-----</p>
11	West Marine Engineering Pte Ltd./Zhenjiang West Marine Equipment. Co. Ltd., China.	<p>WME-SAD14 - Single arm davit</p> <p>-----</p> <p>WME-SAD23 - Single arm davit-manual operation</p> <p>-----</p> <p>WME-SAD30 - Single arm davit</p> <p>-----</p> <p>WME-LR30 - A-frame davit-semi hydraulic system</p> <p>-----</p> <p>WME-LRH35 - A-frame davit fully hydraulic system</p> <p>-----</p> <p>WME-LRH75 - A-frame davit fully hydraulic system</p> <p>-----</p> <p>WME-MGD185 - Conventional davit</p> <p>-----</p> <p>WME-HTD30 - Boat raft davit</p>
12	Zhejiang Hengxin Ship Equipment Co., Ltd.(HXN), China.	<p>Lifeboat Series: BCC, BCF, BCFC, BCFF</p> <p>-----</p> <p>Rescue Boat Series: GJ, FRH, RH</p> <p>-----</p> <p>Release Mechanism Series: HK</p> <p>-----</p> <p>Davit Series : FH, SA, HDC, LFR, LR, HE, PD,SRH, LB, KN</p>

Remarks:

Approved according to MSC.402(96)/Corr.1 and IACS UR Z17, rev.14.

An up-to-date list of approved supervisors and inspectors shall be maintained by the service supplier.

In case of any changes DNV GL to be informed.