

Minimum Safe Manning On Engineering Side

International Voyages

Type of Ship /Propulsion Power of Vessel (In Kw.)	Type of Manning Required	No. of Manning
E – 1 Vessels having Propulsion Power of 3000 Kilowatts and above on International Voyages	1) Marine Engineer Officer Class I 2) Marine Engineer Officer Class II 3) Marine Engineer Officer Class IV 4) Rating Forming Part of Engineering Watch (* When the vessels is assigned UMS Notation and plying so, then only one Marine Engineer Officer Class IV and two Ratings Forming part of engineering watch will be required)	1 1 2 * 3 *
E – 2 Vessels having Propulsion Power of 350 Kilowatts and above up to 3000 Kilowatts on International Voyages Only for Tankers	1) Marine Engineer Officer Class I 2) Marine Engineer Officer Class II 3) Marine Engineer Officer Class IV 4) Rating Forming Part of Engineering Watch + Rating (* When the vessel is assigned UMS Notation and plying so, then Marine Engineer Officer Class IV will not be required and one Rating Forming part of engineering watch will be required)	1 1 1 * 1 + 2 *
E – 3 * Vessels having propulsion power of 350 KW and above up to 3000 KW on International Voyages *For vessels other than tankers	1) Marine Engineer Officer Class I 2) Marine Engineer Officer Class II OR MEO Class IV with One year experience 3) Marine Engineer Officer Class IV 4) Rating forming part of Engineering Watch + Rating (* Excluding tankers) (* When the vessel is assigned UMS Notation and plying so, then Marine Engineer Officer Class IV will not be required and one Rating Forming part of engineering watch will be required)	1 1 1 * 1 + 2 *

NCV Area

Type of Ship / Propulsion Power of Vessel (In Kw.)	Type of Manning Required	No. of Manning
<p>E – 4 Vessels having Propulsion Power of 6000 Kilowatts and above on NCV Area</p>	<p>1) Marine Engineer Officer Class I 2) Marine Engineer Officer Class II 3) Marine Engineer Officer Class IV 4) Rating Forming Part of Engineering Watch + Rating <i>(* When the vessel is assigned UMS Notation and plying so, then only one Marine Engineer Officer Class IV and two Rating Forming part of engineering watch will be required)</i></p>	<p>1 1 2 * 1 + 2 *</p>
<p>E – 5 Vessels having Propulsion Power of 3000 Kilowatts and up to 6000 Kilowatts on NCV Area</p>	<p>1) Marine Engineer Officer Class I / MEO Class II with Two years experience. 2) Marine Engineer Officer Class II 3) Marine Engineer Officer Class IV 4) Rating Forming Part of Engineering Watch + Rating <i>(* When the vessel is assigned UMS Notation and plying so, then only one Marine Engineer Officer Class IV and two Rating Forming part of engineering watch will be required)</i></p>	<p>1 1 2 * 1 + 2 *</p>
<p>E – 6 Vessels having Propulsion Power of 1500 Kilowatts and above up to 3000 Kilowatts on NCV Area</p>	<p>1) Marine Engineer Officer Class II/ Marine Engineer Officer Class III (NCV – Chief Engineer)/ Marine Engineer Officer Class III (NCV – 2nd Engineer) with Two years experience 2) Marine Engineer Officer Class III (NCV – Second Engineer) 3) Marine Engineer Officer Class IV (NCV) 4) Rating Forming Part of Engineering Watch + Rating <i>(* When the vessel is assigned UMS Notation and plying so, then Marine Engineer Officer Class IV may be substituted with MEO Class NCV TME)</i></p>	<p>1 1 1 1 + 1</p>

Type of Ship / Propulsion Power of Vessel (In Kw.)	Type of Manning Required	No. of Manning
<p>E – 7 Vessels having Propulsion Power of 750 Kilowatts and above up to 1500 Kilowatts on NCV Area</p>	<p>1) Marine Engineer Officer Class II/ Marine Engineer Officer Class III (NCV – Chief Engineer)/ Marine Engineer Officer Class III (NCV – 2nd Engineer) with One Year experience.</p> <p>2) Marine Engineer Officer Class III (NCV – Second Engineer)/ Marine Engineer Officer Class IV (NCV) with Two years experience.</p> <p>3) Marine Engineer Officer Class IV (NCV)</p> <p>4) Rating <i>(* When the vessel is assigned UMS Notation and plying so, then Marine Engineer Officer Class IV may be substituted with MEO Class NCV TME)</i></p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>
<p>E - 8 Vessels having Propulsion Power of 350 Kilowatts and above up to 750 Kilowatts on NCV Area</p>	<p>1) Marine Engineer Officer Class III (NCV – Chief Engineer)/ Marine Engineer Officer Class III (NCV – 2nd Engineer) with six months experience.</p> <p>2) Marine Engineer Officer Class IV (NCV)</p> <p>3) Rating</p>	<p>1</p> <p>1</p> <p>2</p>
<p>E - 9 Vessels having Propulsion Power of below 350 Kilowatts on NCV Area</p>	<p>1) Marine Engineer Officer Class IV NCV with one year experience</p> <p>2) Rating</p>	<p>1</p> <p>2</p>

Indian Coast and A&N

Type of Ship / Propulsion Power of Vessel (In Kw.)	Type of Manning Required	No. of Manning
E- 10 Vessels having Propulsion Power of 6000 Kilowatts and above on Indian Coast	1) Marine Engineer Officer Class I 2) Marine Engineer Officer Class II 3) Marine Engineer Officer Class IV 4) Rating Forming Part of Engineering Watch + Rating	1 1 1 1 + 1
E – 11 Vessels having Propulsion Power of 3000 Kilowatts and above up to 6000 Kilowatts on Indian Coast (for Voyage <24 hours)	1) Marine Engineer Officer Class I 2) Marine Engineer Officer Class IV 3) Rating Forming Part of Engineering Watch + Rating (* Additional One Class IV to be provided for Voyage >24 hours)	1 1 * 1 + 1
E – 12 Vessels having Propulsion Power of 1500 Kilowatts and above up to 3000 Kilowatts on Indian Coast or A & N waters	1) Marine Engineer Officer Class II/ Marine Engineer Officer Class III (NCV – Chief Engineer) / Marine Engineer Officer Class III (NCV – 2nd Engineer) with One year experience (Candidates are required to appear for oral examination if required to sail on passenger ships. Examiners to take orals for dispensation at ports not declared as examination centre such as Port Blair and fax results to DGS for issue of dispensation. Company is required to pay the fee as per DGS Circular) 2) Marine Engineer Officer Class III (NCV – Second Engineer)/ Marine Engineer Officer Class IV (NCV) with One year experience 3) Marine Engineer Officer Class IV Part A (NCV) 4) Rating (* Where 10 degree channel is crossed, manning would require additional Engineer to be Class IV (NCV) and one more rating forming part of engine room)	1 1 1 * 1 *

Type of Ship / Propulsion Power of Vessel (In Kw.)	Type of Manning Required	No. of Manning
<p>E- 13 Vessels having propulsion power of 750 KW and above upto 1500 KW on Indian Coast or A & N waters</p>	<p>1) Marine Engineer Officer Class II/ Marine Engineer Officer Class III (NCV – Chief Engineer) / Marine Engineer Officer Class III (NCV – 2nd Engineer) with One year experience (Candidates are required to appear for oral examination if required to sail on passenger ships. Examiners to take orals for dispensation at ports not declared as examination centre such as Port Blair and fax results to DGS for issue of dispensation. Company is required to pay the fee as per DGS Circular)</p> <p>2) Marine Engineer Officer Class III (NCV – Second Engineer)/ Marine Engineer Officer Class IV (NCV) with Six months experience</p> <p>3) Marine Engineer Officer Class IV Part A (NCV)</p> <p>4) Rating <i>(* Where 10 degree channel is crossed, manning would require additional Engineer to be Class IV (NCV) and one more rating forming part of engine room)</i></p>	<p>1</p> <p>1</p> <p>1*</p> <p>1*</p>
<p>E – 14 Vessels having propulsion power of 350 Kilowatts and above up to 750 Kilowatts on Indian Coast or A & N waters</p>	<p>1) Marine Engineer Officer Class III (NCV - Second Engineer Officer)</p> <p>2) Marine Engineer Officer Class IV (NCV)</p> <p>3) Rating</p>	<p>1</p> <p>1</p> <p>1</p>
<p>E – 15 Vessels having propulsion power of <350 KW on Indian Coast or A & N waters</p>	<p>1) Marine Engineer Officer Class IV (NCV) with One year experience</p> <p>2) Rating (Additional one Class IV NCV to be provided for voyages >24 hours)</p>	<p>1</p> <p>1</p>

OSV / Support Vessel / Multipurpose Vessel : On Offshore Oil Field

Type of Ship / Propulsion Power of Vessel (In Kw.)	Type of Manning Required	No. of Manning
<p align="center">E – 16</p> <p>Multi Purpose Support Vessels / OSV Operating on Indian Off Shore Oil Fields with Propulsion Power greater than 6000 KW</p>	<p>1) Marine Engineer Officer Class I 2) Marine Engineer Officer Class II / Class IV with Two years Experience 3) Rating Forming Part of Engineering Watch + Rating <i>(* Additional one Marine Engineer Officer Class IV / TME and one rating to be provided when steaming more than twenty four consecutive hours or when operating in foreign offshore oil fields except during critical operations such as towing / diving etc.)</i></p>	<p align="center">1 1 * 1 + 1 *</p>
<p align="center">E –17</p> <p>Multi Purpose Support Vessels / OSV Operating on Indian Off Shore Oil Fields with Propulsion Power above 3000 KW and up to 6000 KW</p>	<p>1) Marine Engineer Officer Class I 2) Marine Engineer Officer Class II / Class IV with Two years Experience 3) Rating Forming Part of Engineering Watch + Rating <i>(* Additional one Marine Engineer Officer Class IV / TME and one rating to be provided when steaming more than twenty four consecutive hours or when operating in foreign offshore oil fields except during critical operations such as towing / diving etc.)</i></p>	<p align="center">1 1 * 1 + 1 *</p>
<p align="center">E – 18</p> <p>Off Shore Supply Vessels Operating on Indian Oil Fields with propulsion power greater than 750 KW but less than 3000 KW</p>	<p>1) Marine Engineer Officer Class II/ Marine Engineer Officer Class III (NCV - Chief Engineer Officer)/ Marine Engineer Officer Class III (NCV – Second Engineer Officer) with One year experience 2) Marine Engineer Officer Class IV / Marine Engineer Officer Class III (NCV- Second Engineer Officer) / Marine Engineer Officer Class IV (NCV) with Two years experience. 3) Rating <i>(* Additional one Marine Engineer Officer Class IV / TME and one rating to be provided when steaming more than twenty four consecutive hours or when operating in foreign offshore oil fields except during critical operations such as towing / diving etc.)</i></p>	<p align="center">1 1* 2*</p>

Type of Ship / Propulsion Power of Vessel (In Kw.)	Type of Manning Required	No. of Manning
<p>E –19 Offshore supply vessels operating on Offshore Oil Fields with Propulsion Power greater than 750 KW but less than 3000 KW and Tugs employed in harbour and coastal waters in foreign ports</p>	<p>1) Marine Engineer Officer Class I (M)/ Marine Engineer Officer Class II (M) with Two years experience 2) Marine Engineer Officer Class IV (M) 3) Rating Forming Part of Engineering Watch + Rating</p> <p><i>(Additional one Marine Engineer Officer Class II or MEO Class IV with two years experience and one rating to be provided when steaming more than twenty four consecutive hours)</i></p>	<p>1 1 1</p>

Harbour* Operations – Indian Coast

Type of Ship / Propulsion Power of Vessel (In Kw.)	Type of Manning Required	No. of Manning
E – 20 Propulsion Power Between 3000 Kw To 6000 Kw	1) MEO CL II/ MEO CL III (NCV - CEO) having OSV endorsement 2) MEO CL III (NCV – SEO) / MEO CL IV (NCV) with Two years experience 3) Rating Forming Part of E/R Watch 4) Rating	1 1 1 1
E – 21 Vessels having Propulsion Power of 1500 Kilowatts and above up to 3000 Kilowatts	1) MEO CL III (NCV – Second Engineer Officer) with One years experience 2) MEO CL IV (NCV)/ S.G.E.D. with One year experience / 1st Class Engine Driver (IV) with Two years experience 3) Rating Forming Part Of E/R Watch 4) Rating	1 1 1 1
E – 22 Vessels having Propulsion Power of 750 Kilowatts and above up to 1500 Kilowatts	1) MEO Class IV (NCV) 2) S.G.E.D./ 1st Class Engine Driver (IV) / 2nd Class Engine Driver (IV) with Two years experience 3) Rating	1 1 1
E – 23 Vessels having Propulsion Power of 350 Kilowatts and above up to 750 Kilowatts	1) MEO Class IV (NCV) / S.G.E.D / 1st Class Engine Driver (IV) with One year experience 2) Rating	1 2
E – 24 Vessels having Propulsion Power of below 350 Kilowatts	1) 1st Class Engine Driver (IV)/ 2nd Class Engine Driver (IV) with Two years experience 2) Rating	1 2

★ Harbour operations would mean plying within harbour limits & partially smooth waters (including River Hooghly) with occasional operation within six nautical miles of port jurisdiction (including of Kolkata Port Jurisdiction in Sand heads area in fair weather)

Fishing Vessels and Dredgers

Type of Ship / Propulsion Power of Vessel (In Kw.)	Type of Manning Required	No. of Manning
EF – 1 Fishing Vessels having a Propulsion Power of 750 KW and above	1) Engineer of Fishing Vessel 2) Engine Driver of Fishing Vessel 3) Rating / Engine Hands	1 1 3
EF – 2 Fishing Vessels having a Propulsion Power of 350 KW to 750 KW	1) Engineer of Fishing Vessel 2) Rating / Engine Hands	1 3
EF – 3 Fishing Vessels having a Propulsion Power of less than 350 KW	1) Fishing Vessels Engine Driver 2) Rating / Engine Hands	1 1
ED – 4 Dredger having Propulsion Power of 3000 Kilowatt and above (During sailing and dredging)	1) Dredge Engineer Grade I / MEO Class I 2) Dredge Engineer Grade II / MEO Class II 3) Officer In Charge of Engineering Watch / MEO Class IV 4) Rating Forming Part of Engineering Watch + Rating	1 1 2 1 + 1
ED – 5 Dredgers having propulsion power less than 3000 KW (During sailing and dredging)	1) Dredge Engineer Grade II / MEO Class II / MEO Class III (NCV- Chief Engineer Officer) 2) Officer In Charge of Engineering watch / MEO Class IV/ MEO Class III (NCV- Second Engineer Officer) 3) MEO Class IV (NCV) 4) Rating Forming Part of Engineering Watch + Rating	1 2 1 1+1