



INDIAN NOTICES TO MARINERS



EDITION NO. 07 DATED 01 APR 2017

(CONTAINS NOTICES 068 TO 071)

REACH US 24 x 7



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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

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INSIST ON INDIAN CHARTS AND
PUBLICATIONS
Original, Authentic and Up-to-Date



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II

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and shortcomings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer
to the Government of India**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is mandatory on all Charts.

Counterfeit products may have errors resulting in potential risks. The same are not approved by inspecting agencies and do not satisfy the carriage requirements of SOLAS chapter V.

Mariners are strongly advised not to use or encourage the use of counterfeit charts and publications. Failure to comply with the warning may invite legal action.

III

EXPLANATORY NOTES

Corrections to Charts and Publications. Section I comprises List of Charts affected by the notices contained in this edition. Whereas sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart 5020 (INT 1).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

Temporary and Preliminary Notices. These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

Source of Information. A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

Sailing Directions. Corrections for the Sailing Directions (Pilots) are given in Section VI.

Lights. Corrections to Indian List of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

Radio Signals. The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

Radio Navigational Warnings.

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

IV

Laws and Regulations. While in the interest of the safety of shipping, the Hydrographic Office makes every endeavor to include in its publications details of the laws and regulations of all countries pertaining to navigation, it must be clearly understood: -

- (a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation and
- (b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

Correction of Charts and Publications by the Users. Notices to Mariners contain important information concerning safety of navigation at sea, hence, they should be used to keep the specified charts and publications up-to-date.

Reliance on Charts and Associated Publications. While every effort is made by the Hydrographic Office to ensure the accuracy of the information on Charts and Publications before they are published, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge for the reliance he can place on the information available, bearing in mind his particular circumstances, local pilotage guidance and judicious use of available navigational aids.

Use of Global Positioning System (WGS 84) positions.

- (a) The positions of hydrographic objects shown on some of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Wherever these differences have been ascertained, their average values are published as a Cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.
- (c) These datum shift values are not uniform, particularly in areas off Andaman and Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

Source Data on Charts. All Indian charts contain specific information on their source of hydrographic data. In areas where the source data is very old, incomplete and less reliable, the mariner must use such charts with prudence. Mariner should always use the largest scale charts available for the area. Apart from being the most detailed, the larger scale charts are usually corrected first. Hydrographic information may be sparse on small scale charts. On such charts, a charted shoal may be in error as regards position, least depth and extent. Uncharted dangers may also exist, particularly in areas away from well-established routes. Mariners must exercise due caution.

Further Guidance. The Mariner's Hand Book (NP 100) gives full explanation on the use of charts and the type of information contained on charts. In their own interest, all users of charts should refer to it.

NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

1. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
256 (INT 7340)	MURUD – JANJIRA HARBOUR TO MALVAN	300,000	New Edition
301	APPROACHES TO HUGLI RIVER	150,000	New Chart
2033 (INT 7341)	SIKKA CREEK; SIKKA CHANNEL	12,500	New Edition
2359 (INT 7350)	APPROACHES TO PORT OF NEW MANGALORE	50,000	New Chart
3006 (INT 7423)	HUGLI RIVER		New Chart
	KUKRAHATI REACH TO ROYAPUR CROSSING	37,500	
	ROYAPUR CROSSING TO CALCUTTA DOCKS	37,500	
	CALCUTTA DOCKS	17,500	
3011 (INT 7421)	HUGLI RIVER – GASPER CHANNEL TO HALDIA	75,000	New Chart
4177	TILLANCHANG ISLAND	25,000	New Edition

Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the world wide network of their agents and distributors. Updates are also made available as per the existing policy of the distributor. Mariners and other ENC users may contact the under mentioned for further details:

United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: www.hydro.gov.uk	C-MAP Norway AS Nyaskaiveien 2, 4379 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: enc@c-map.com , info@c-map.co.no Website: www.c-map.com
M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: data@ecc.no Website: - www.primar.org	M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel:+91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com

VI

TEMPORARY AND PRELIMINARY NOTICES

In Force 01 Apr 2017

(Former In Force List dated 01 Jan 2017 is cancelled)

Cancelled Notices	
Area	Notice No.
1	<i>Nil</i>
2	<i>074/16, 098/16</i>
3	<i>191/16, 052/17</i>
4	<i>Nil</i>

1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
152/15 2514		INDIAN OCEAN – MAURITIUS – Port Louis – Buoy.

2. INDIA WEST COAST – INDIAN OCEAN.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
152/11 2081 – 2100		INDIA – WEST COAST – Pipavav Port – Dredging.
182/12	21 – 22 (INT 752) – 292 (INT 7021) – 2093	INDIA – ARABIAN SEA – Argo Floats.
065/14	23– 31– 33 – 7070(INT 70) – 7071 (INT 71) – 7072 (INT 72) – 7073(INT 73) – 7702 (INT 702) – 7703(INT 703) – 7706(INT 706) – 7707(INT 707) – 7708(INT 708)	INDIA OCEAN – Data Buoys.
099/14	21– 203 (INT 7319) – 2017	INDIA – WEST COAST – Gulf of Kachchh – Eastern Portion – Buoys.
042/15	22 (INT 752) – 214– 293 (INT 7022) – 2022 (INT 7345)	INDIA – WEST COAST – Approaches to Mormugao – Unlit Vessel.
066/15	271 – 251 (INT 7318) – 203 (INT 7319) – 2031 (INT 7326) – 2068 – 2013 (INT 7324)	INDIA – WEST COAST – Gulf of Kachchh – Port of Okha – Buoys.
087/15	273	INDIAN OCEAN – Kadmat Island to Ihavandiffulu Atoll – Buoy.
098/15	21– 208 – 209 – 254 (INT 7331) – 292 (INT 7021) – 2039– 2102	INDIA – WEST COAST– Bhavnagar Port – Anchorage.
109/15	2043 – 2042 – 2046	INDIA – WEST COAST – Vengurla Anchorage – Buoy.
121/15	21 – 22 – 292 – 293 – 255 – 211 – 2016	INDIA – WEST COAST – Inner Approaches to Mumbai – Foul.
127/15	2040	INDIA – WEST COAST – Porbandar Port – Jetty.
157/15	259 (INT 7356) – 260 (INT 7362) – 220 – 2029 (INT 7358) – 2004 (INT 7359).	INDIA – WEST COAST – Kochi Harbour – Buoy.
158/15	260 (INT 7362) – 261 – 222 – 223 – 2012	INDIA – WEST COAST – Vizhinjam Anchorage – Sea Cage Farm.
163/15	21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 2015 (INT 7337) – 2016 (INT 7336) – 2076 (INT 7338)	INDIA – WEST COAST – Mumbai Port – Buoys. Wreck.

VII

2. INDIA WEST COAST – INDIAN OCEAN. (Continued).

035/16	22 – 272 – 258 (INT 7348) – 218 – 2025	INDIA – WEST COAST – Azhikkal Anchorage – Racon.
046/16	202 – 203 (INT 7319) – 2031 (INT 7326) – 2068	INDIA – WEST COAST – Gulf of Kachchh Deep Water Route – Buoy.
047/16	214 – 2022 (INT 7345) – 2078 (INT 7346)	INDIA – WEST COAST – Port of Mormugao – Dredging.
075/16	2016 (INT 7336) – 2015 (INT 7337)	INDIA – WEST COAST – Port of Mumbai – Buoys.
099/16	21 – 22 – 292 (INT 7021) – 293 (INT 7022) – 254 (INT 7331) – 257 (INT) – 210 – 209 7343) – 214 – 2022 (INT 7345) – 2020.	INDIA – WEST COAST – RACON.
109/16	7070 (INT 70) – 7071 (INT 71) – 7072 (INT 72) – 7701 (INT 701) – 8008.	INDIAN OCEAN – Maputo to Muqdisho – Oceanographic Moorings.
152/16	2008 (INT 7369) – 2010	INDIA – WEST COAST – Karwar Naval Harbour – Buoy.
153/16	2061 – 2099	INDIAN OCEAN – MALDIVES – Male’ Atoll – Sea Bridge.
166/16	21 – 22 (INT 752) – 23 – 292 (INT 7021) – 293 (INT 7022) – 273 – 268 (INT 7353) – 257 (INT 7343) – 214 – 2047 – 2022 (INT 7345) – 2020 – 7703 (INT 703) – 7705 (INT 705)	INDIA – WEST COAST – Arabian Sea – Data Buoys. Tsunami Buoy.
035/17	21 – 291 – 203 (INT 7319) – 2068 – 2079 – 2106	INDIA – WEST COAST – Gulf of Kachchh – Racon.
040/17	21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 272 – 257 (INT 7343) – 259 (INT 7356) – 214 – 221	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.
045/17	2036 – 2103	INDIA – WEST COAST – Dighi Port – Buoys.
051/17	2079 (INT 7329) – 2106	INDIA – WEST COAST – Mundra Port – Construction Work.
064/17	253 (INT 7328) – 254 (INT 7331) – 207 – 2081 – 2100 (INT 7344)	INDIA – WEST COAST – Approaches to Port – Dredging Operation.
069/17	207 – 253 (INT 7328) – 254 (INT 7331) – 292 (INT 7021) – 2081 – 2100 (INT 7344)	INDIA – WEST COAST – Approaches to Port Pipavav – Installation.
070/17	21 – 255 (INT 7334) – 292 (INT 7021)	INDIA – WEST COAST – Approaches to Mumbai (Bombay) – Survey Operation.
071/17	21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022)	INDIA – WEST COAST – Satpati to Dighi Harbour – Survey Operation.

3. INDIA EAST COAST – ANDAMAN NICOBAR, SRI LANKA, MYANMAR.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
237/10	406 – 4010	INDIA – ANDAMAN SEA – Little Andaman Islands – Hut Bay – Light.
094/12	33 – 41 (INT 757) – 402 – 403 – 404 (INT 7439) – 405 – 406 – 407 – 408 – 409 – 471 – 472 (INT 7032) – 473 (INT 7031) – 4016 – 4035	INDIA – ANDAMAN SEA – Fish Aggregating Devices.
183/12	31 – 32 (INT 754) – 33 – 354 (INT 7408)	INDIA – BAY OF BENGAL – Argo Floats.
212/12	3034	INDIA – EAST COAST – Krishnapatnam Port – Port Development. Dredging.
225/12	31 – 321 – 322 – 371 – 3020	BAY OF BENGAL – MYANMAR COAST – Combermere Bay to Cheduba Strait – Platform.

VIII

3. INDIA EAST COAST – ANDAMAN NICOBAR, SRI LANKA, MYANMAR. (Continued).

159/13	31 – 41 (INT757) – 409 – 471 – 472 – 4035 – 4039	INDIA – ANDAMAN SEA – Nicobar Island – Campbell Bay – Jetty.
195/13	352(INT7416) – 3005	INDIA – EAST COAST – Gopalpur Port – Breakwater. Wrecks. Onshore Installation.
068/15	31 – 32 (INT 754) – 391 – 354 (INT 7408) – 308 – 3002 (INT 7410) – 3012 (INT 7411)	INDIA – EAST COAST – Visakhapatnam Harbour – Buoy.
185/15	408 – 409 – 472 – 4039 – 4182 – 4205	INDIA – Andaman Sea – Lights.
036/16	308 – 3002 (INT 7410) – 3012 (INT 7411)	INDIA – EAST COAST – Visakhapatnam Harbour – Buoy.
078/16	31 – 32 (INT 754) – 33 – 391 – 356 (INT 7400) – 3034	INDIA – EAST COAST – Krishnapatnam Port – RACON.
100/16	31 – 391 – 354 (INT 7408) – 308	INDIA – EAST COAST – Outer Approaches to Vishakhapatnam – Light.
101/16	31 – 352 (INT 7416) – 3041 – 3010 (INT 7418)	INDIA – EAST COAST – Paradip Port – RACON.
112//16	31 – 32 (INT 754) – 33 – 308 – 352 (INT 7416) – 354 (INT 7408) – 355 (INT 7405) – 357 (INT 7397) – 391	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.
113/16	31 – 32 (INT 754) – 354 (INT 7408) – 391– 3009(INT 7407)	INDIA – EAST COAST – Bay of Bengal – Kakinada – Deep Water Port.
121/16	31 – 32 (INT 754) – 391 – 356 (INT 7400)	INDIA – EAST COAST – Chennai (Madras) to Ramayapatnam – Open Sea Cage.
168/16	31 – 32 (INT 754) – 33 – 356 (INT 7400) – 391 – 41 (INT 757) – 404 (INT 7439) – 405 – 472 (INT 7032) – 7706 (INT 706).	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys. Tsunami Buoys.
179/16	32 (INT 754) – 357 (INT 7397) – 3003	INDIA – EAST COAST – Pudduherry Harbour – Data Buoy.
191/16	31 – 32 (INT 754) – 391 – 354 (INT 7408) – 355 (INT 7405)	INDIA – East Coast – Sacramento Shoal to Kalingapatnam – Survey Operation.
200/16	31 – 41 (INT 757) – 451	BAY OF BENGAL AND ANDAMAN SEA - Coast of Burma – Preparis North Channel to Rangoon River – Drilling Operation.
036/17	409 – 4039	INDIA – ANDAMAN SEA – Light.
057/17	3028 (INT 7404)	INDIA – East Coast – Kamarajar Port (Ennore) – Light.
058/17	31 – 371	BAY OF BENGAL AND ANDAMAN SEA - Coast of Burma – Sittwe (Akyab) to Preparis Island – Drilling Operation.
065/17	41 (INT 757) – 451	BAY OF BENGAL AND ANDAMAN SEA - Preparis North Channel to Rangoon River – Drilling Operation.
066/17	391 – 355 (INT 7405)	INDIA – EAST COAST – Ramayapatnam to Scarmento Shoal – Survey Operation.
067/17	41 (INT 757)	INDIA – ANDAMAN SEA – Survey Operation.

IX

4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA

383/03 33 – 41(INT 757)

INDONESIA – Sumatera – North and Northwest
Coasts – Restricted area.

238/10 41 (INT 757) – 471

INDONESIA – Sumatera – North West Coast – Pulau
Bunta –Lights.

SECTION – I

The list of charts affected by the Notices 068 to 071 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	068, 070(T), 071(T)
22 (INT 752)	3	071(T)
207	2	069(T)
211	3	071(T)
253 (INT 7328)	2	068, 069(T)
254 (INT 7331)	2	069(T)
255 (INT 7334)	3	068, 070(T), 071(T)
292 (INT 7021)	2	068, 069(T), 070(T), 071(T)
293 (INT 7022)	3	071(T)
2081	2	069(T)
2100 (INT 7344)	2	069(T)



SECTION – II**PERMANENT NOTICES*****068 (07/17) India – West Coast – Approaches to Mumbai – Obstruction.**

Source: ODAG.

Chart 21 [previous update 033/17]Delete  *Obstr*

19° 39′.55N., 71° 17′.59E.

Chart 292(INT 7021) [previous update 183/16]Delete  *Obstr*

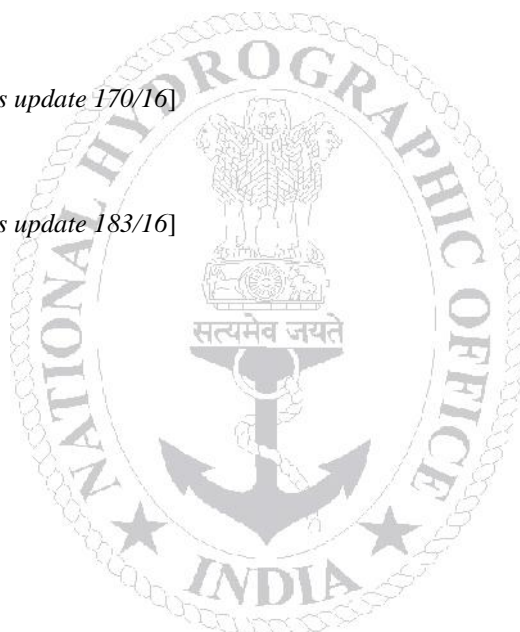
19° 39′.55N., 71° 17′.59E.

Chart 253(INT 7328) [previous update 170/16]Delete  *Obstr*

19° 39′.55N., 71° 17′.59E.

Chart 255(INT 7334) [previous update 183/16]Delete  *Obstr*

19° 39′.55N., 71° 17′.59E.



SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***069 (T) (07/17) INDIA – WEST COAST – Approaches to Port Pipavav – Installation.**

Source: HQODAG.

1. Installation of Sub structure (Monopile & Platform) is in progress by MV Ocean Pride & MV Mariner in below mentioned co-ordinate till **30 Apr 17**:

Sl. No.	Position
(a)	20° 41'·50N, 71° 32'·83E.

2. Vessels are requested to give a wide berth of 5 KM from the above mentioned co-ordinates.
3. Mariners are advised to contact local port authorities for more information.

Charts affected – 207 –253 (INT 7328) – 254 (7331) – 292 (INT 7021) – 2081 – 2100 (INT 7344).

***070 (T) (07/17) INDIA – WEST COAST – Approaches to Mumbai (Bombay) – Survey Operation.**

Source: FUGRO.

1. Survey vessel MV Flamboyant will carry out seabed survey in below mentioned area till **30 Apr 17**:

Area 1		Area 2		Area 3	
Sl. No.	Position	Sl. No.	Position	Sl. No.	Position
(a)	19° 42'·15N., 71° 04'·28E.	(a)	18° 40'·90N., 70° 57'·41E.	(a)	18° 42'·52N., 72° 10'·03E.
(b)	19° 41'·37N., 72° 04'·53E.	(b)	18° 40'·83N., 71° 03'·85E.	(b)	18° 44'·60N., 72° 15'·92E.
(c)	19° 03'·11N., 72° 12'·22E.	(c)	18° 33'·99N., 71° 03'·77E.	(c)	18° 32'·25N., 72° 18'·39E.
(d)	19° 17'·44N., 71° 05'·47E.	(d)	18° 34'·06N., 70° 57'·33E.	(d)	18° 32'·38N., 72° 11'·09E.

2. Vessels are requested to give a wide berth to the vessel and navigate with caution.

Charts affected – 21 – 255 (INT 7334) –292 (INT 7021).

***071 (T) (07/17) INDIA – WEST COAST – Satpati to Dighi Harbour– Survey Operation.**

Source: HQODAG.

1. Subsea operation is in progress by MV Gal Installer & AHT Albatross 01 in below mentioned area till **30 Apr 17**:

Sl. No.	Position
(a)	18° 38'·40N., 72° 12'·00E.
(b)	18° 38'·40N., 72° 13'·80E.
(c)	18° 40'·20N., 72° 13'·80E.
(d)	18° 40'·20N., 72° 12'·00E.

2. Vessels are requested to give a wide berth to the vessels and navigate with caution.

Charts affected – 21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022).

SECTION – IV **MARINE INFORMATION**

1. **NAVTEX TRANSMISSION**

Status of MSI Promulgation by NAVTEX Stations is as follows:-

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Temporarily Out of Operation

Following new Navtex stations along the Indian coast are operating on trial basis:-

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengrula Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

2. **MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS**

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crew using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - indsar@vsnl.net, or icgmrcc_mumbai@mtnl.net . Any suspicious activity of skiffs / boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

3. **DISPLAY ANOMALIES IN ECDIS**

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website www.iho.int, to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode.

Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

4. SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates for the above have been published in the fortnightly Indian Notices to Mariners Edition No 14 of 2008 (16th July 2008).

(a) Safety Fairways: An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.

(b) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) Traffic Separation Schemes (TSS). The TSS off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Sheva harbour irrespective of size.

5. GAGAN SYSTEM COMMISSIONED FOR OPERATIONS

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127 & 128 respectively.

All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN-127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

6. USAGE OF THURAYA/ IRRIDUM AND SATELLITE PHONE

The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in pre arrival notification on security (PANS).

The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

7. CAUTIONARY NOTE

There is a finite amount of lag between publication of large and small scale Indian Nautical Charts. To avoid uncertainty the mariners are advised to use large scale charts for coastal navigation wherever applicable and available. In addition, mariners are to refer large scale charts in conjunction with small scale charts in areas where both overlap during both planning and conduct of passage.

List of Indian Chart Agents

<p>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Insrtuments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p>E.W.Liner Charts & Publication (India) 2/524, Sandeep Road, Chinna Neelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com Web: www.ewliner.com</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in , sales@ccmarine.in</p>	<p>Gujarat Pipavav Port Limited PO – Uchchaiya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p>M/s SVR Chart Agencies Door No.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : mahalakshmitravels99@gmail.com mahalakshmitravels@hotmail.com</p>	<p>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: 022-6510 3668, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@smsmarine.co.in , raj_chakravorty@yahoo.com Web: www.smsmarine.co.in</p>
<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, Wadi Bunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in</p>	<p>Global Marine Infratech Pvt. Ltd. Ground Floor, Siksha Sandan, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: tusarkantha@gmiindia.in Web: www.gmiindia.in</p>
<p>M/s Lift o Marine Allen’s Mansion, Flat C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftmarine.org Web: www.liftmarine.org</p>	<p>L. R. Marine Services 301, 3rd Floor, Biry House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s Engineering Logistics Executive Multi Services Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in</p>	<p>M/s IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@ictechnologies.com sanjeev.sharma@ictechnologies.com Web: www.ictechnologies.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani’s Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com</p>	

SECTION – V**NAVAREA – VIII WARNINGS IN FORCE**

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings in force as on 31 Mar 17:

2016 SERIES –432 464 572 644 685 702 723 729 779

2017 SERIES –016 050 061 119 158 169 173 183 189 194 196 198 202 216 217 220 230 237 238
240 244 250 256 257 264 267 271 275 276 279 280 281 282 283

3. NAVAREA VIII Warnings issued during the period from 16 Mar to 31 Mar 17 (both dates inclusive) are as tabulated below:–

<p>216. India West Coast – Safety Fairway off Mumbai. Charts 21 255 292 INT 71. GTV Samudra Sarvekshak progressing soil coring in 18-01.1N 072-22.7E, 18-08.2N 072-25.3E, 18-08.5N 072-22.1E, 18-52.1N 072-19.6E, 18-53.3N 071-52.5E, 18-52.5N 071-25.4E, 18-53.9N 071-20.3E, 19-00.0N 071-17.2E, 19-39.9N 071-35.7E, 19-13.9N 072-05.8E.</p> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII MSG 184 and this MSG 101830 UTC Apr 17.</p>
<p>217. India West Coast – off Heera Oda. Charts 21 211 255 INT 71. MV Gal Installer and AHT Albatross progressing subsea ops in area bounded within 18-38.4N to 18-40.2N and 072-12E to 072-13.8E.</p> <p>2. Wide berth requested.</p> <p>3. Cancel this MSG 301830 UTC Apr 17.</p>
<p>218. Bay of Bengal – off Trincomalee. Charts 359 3014 INT 71. Naval firing practice scheduled on 21 Mar 17 from 0430-0830 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E.</p> <p>2. Cancel this MSG 210930 UTC Mar 17.</p>
<p>219. India East Coast – Central Bay of Bengal. Charts 32 INT 71. Firing by CG aircraft scheduled daily from 22 – 31 Mar 17 from 0130 - 1130 UTC in danger area bounded within 13-30N to 14-30N and 082-00E to 082-40E.</p> <p>2. Cancel this MSG 311230 UTC Mar 17.</p>
<p>220. Andaman Sea – off Myanmar. Charts 41 371 472 INT 71. Firing by naval ships scheduled daily from 22 Mar – 07 Apr 17 in danger area bounded within 13-50N to 15-00N and 093-30E to 094-40E.</p> <p>2. Wide berth of 2 NM requested.</p> <p>3. Cancel this MSG 071830 UTC Apr 17.</p>
<p>221. India West Coast – off Angria Bank. Charts 22 293 INT 71. Firing by naval ships scheduled on 23 Mar 17 from 0245 - 0445 UTC in danger area bounded within 16-15N to 16-49N and 071-25E to 072-00E.</p> <p>2. Cancel this MSG 230545 UTC Mar 17.</p>
<p>222. India West Coast - Gulf of Kachchh. Charts 203 INT 71. Salaya channel buoys Narara retrieved/ Ranwara unlit/VLCC drifted from laid position and unlit.</p> <p>2. Cancel NAVAREA VIII MSG 213.</p>
<p>223. Cancel NAVAREA VIII MSG 055 136 156 165 166 and this MSG (.) INTM 066(T) 064(T) 060 067(T) 065(T) refers.</p>
<p>224. NAVAREA VIII warnings in force as on 17 Mar 17. 2016 Series - 432 464 572 644 685 702 723 729 779 780 2017 Series – 016 050 061 063 119 151 158 167 169 173 175 180 182 183 189 192 194 195 196 198 202 207 210 211 216 217 218 219 220 221 222 223 (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet. (B) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.gov.in.</p> <p>2. Cancel this MSG 241000 UTC Mar 17.</p>
<p>225. India West Coast – off Mormugao. Charts 22 293 INT 71. Firing by naval ships scheduled from 220030 - 230630 UTC Mar 17 in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-44.5E, 16-09N 072-44.5E, 15-17N 073-21E.</p> <p>2. Cancel this MSG 230730 UTC Mar 17.</p>
<p>226. Bay of Bengal – off Pedro Channel. Charts 33 357 INT 71. SLFV Yasin Putha reported adrift 10-23N 081-05E at 170645 UTC Mar 17.</p> <p>2. Cancel this MSG 200645 UTC Mar 17.</p>
<p>227. Lakshadweep Sea – off Colombo. Charts 23 263 264 INT 71. Naval firing practice scheduled on 24 Mar 17 from 0230 - 0930 UTC in danger area bounded within 06-35N to 06-50N and 079-25E to 079-39E.</p> <p>2. Cancel this MSG 241030 UTC Mar 17.</p>

228. Gulf of Mannar - off Sri Lanka. Charts 23 262 263 INT 71. Naval firing practice scheduled on 24 Mar 17 from 0130 - 0630 UTC in danger circle extending 10 NM from 08-10N 079-33E. 2. Cancel this MSG 240730 UTC Mar 17.																																																														
229. Bay of Bengal – off Trincomalee. Charts 359 3014 INT 71. Naval firing practice scheduled on 24 Mar 17 from 0330 – 0630 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E. 2. Cancel this MSG 240730 UTC Mar 17.																																																														
230. Andaman Sea – off Yangon River. Charts 41 452 4019 INT 71. Upper float FL G 7S (16-20.5N 096-20.1E), lower float FL G 3S (16-17.14N 096-17.8E), PORT (16-23.25N 096-21.47E), STBD (16-22.60N 096-21.80E), STBD FL G 4S (16-28.62N 096-19.08E) buoys laid. Thura Phyto Kyaw Lin wreck buoy (16-24N 096-21E) adrift. 2. Cancel NAVAREA VIII MSG 167.																																																														
231. North Indian Ocean. Chart INT 71. 25 metre upturned grey hull reported in position 10-22.31S 094-24.17E at 180152 UTC Mar 17. 2. Cancel this MSG 241000 UTC Mar 17.																																																														
232. India West Coast - Gulf of Kachchh. Charts 203 INT 71. Salaya channel buoys Kachchh, Dhani retrieved/Ranwara unlit/VLCC drifted from laid position and unlit. 2. Cancel NAVAREA VIII MSG 222.																																																														
233. India West Coast – off Karwar. Charts 22 257 293 INT 71. Firing by naval ships scheduled on 25 Mar 17 from 0330 - 0630 UTC in danger area bounded by 13-58N 073-06E, 14-20N 073-52E, 15-15N 073-30E, 14-59N 072-38E 2. Cancel this MSG 250730 UTC Mar 17.																																																														
234. India West Coast – off Netrani I. Charts 22 216 293 INT 71. Firing by naval ships scheduled on 26 Mar 17 from 0030 - 1030 UTC in danger area bounded within 13-56.2N to 14-07.2N and 074-13.6E to 074-25.07E. 2. CANCEL THIS MSG 261130 UTC MAR 17																																																														
235. India West Coast – off Mumbai. Charts 21 255 INT 71. INS Makar progressing survey using towed equipments in area bounded by 18-19N 071-19.5E, 18-18N 071-25.5E, 18-21N 071-24.5E, 18-16N 071-20.5E. 2. Wide berth of 03 NM requested. 3. Cancel this MSG 251830 UTC Mar 17.																																																														
236. India West Coast – off Mumbai. Charts 21 211 255 INT 71. CS Asean Reporter progressing cable repair using ROV in vicinity of 19-00.9N 072-12.6E, 19-01N 072-13.7E, 19-00.5N 072-13.7E, 19-00.4N 072-12.6E, 19-00.7N 072-13.1E. 2. Wide berth requested. 3. Cancel this MSG 291830 UTC Mar 17.																																																														
237. India West Coast. Charts 251 254 255 292 INT 71. Rig list:- <table border="0" style="width: 100%;"> <tr><td>ABAN III</td><td>18-55.85N 072-18.35E</td></tr> <tr><td>ABAN IV</td><td>18-43.45N 072-22.32E</td></tr> <tr><td>ACTINIA</td><td>19-19.60N 071-01.60E</td></tr> <tr><td>CE THORNTON</td><td>18-40.10N 072-13.56E</td></tr> <tr><td>DYNAMIC VISION</td><td>19-11.03N 072-11.12E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-14.65N 071-26.03E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-01.97N 071-32.56E</td></tr> <tr><td>FG MCCLINTOCK</td><td>18-32.70N 072-13.95E</td></tr> <tr><td>GALVESTON KEY</td><td>20-32.79N 071-58.41E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>19-11.99N 072-11.15E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-39.21N 070-58.85E</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>20-17.61N 071-16.76ENEW</td></tr> <tr><td>HARVEY H WARD</td><td>18-34.57N 072-16.74E</td></tr> <tr><td>JINDAL STAR</td><td>19-34.75N 071-59.00E</td></tr> <tr><td>JT ANGEL</td><td>20-19.60N 071-12.51E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-12.80N 072-06.78E</td></tr> <tr><td>PARAGON L-786</td><td>19-19.47N 071-23.29E</td></tr> <tr><td>PARAGON M 1161</td><td>19-27.55N 071-11.25E</td></tr> <tr><td>PARAMESWARA</td><td>22-49.50N 068-17.75E</td></tr> <tr><td>RON TAPMEYAR</td><td>19-25.44N 071-19.53E</td></tr> <tr><td>ROWAN LOUISIANA</td><td>18-28.02N 072-17.17E</td></tr> <tr><td>SAGAR GAURAV</td><td>22-38.90N 068-25.20E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-15.09N 070-52.83E</td></tr> <tr><td>SAGAR JYOTI</td><td>18-56.77N 071-54.32E</td></tr> <tr><td>SAGAR KIRAN</td><td>19-25.95N 071-13.04E</td></tr> <tr><td>SAGAR UDAY</td><td>22-58.80N 068-35.90E</td></tr> <tr><td>TRIDENT II</td><td>19-27.37N 071-17.94E</td></tr> <tr><td>VALIANT DRILLER</td><td>19-34.43N 071-23.09E</td></tr> <tr><td>VIRTUE-I</td><td>20-19.05N 072-00.85E</td></tr> <tr><td>VIVEKANANDA-1</td><td>20-32.06N 072-09.16E</td></tr> <tr><td>VIVEKANANDA-2</td><td>19-00.26N 071-51.96E</td></tr> </table> 2. Wide berth requested. 3. Cancel NAVAREA VIII MSG 210.	ABAN III	18-55.85N 072-18.35E	ABAN IV	18-43.45N 072-22.32E	ACTINIA	19-19.60N 071-01.60E	CE THORNTON	18-40.10N 072-13.56E	DYNAMIC VISION	19-11.03N 072-11.12E	DEEP SEA FORTUNE	19-14.65N 071-26.03E	DEEP SEA FOSSIL	19-01.97N 071-32.56E	FG MCCLINTOCK	18-32.70N 072-13.95E	GALVESTON KEY	20-32.79N 071-58.41E	GREAT DRILL CHAARU	19-11.99N 072-11.15E	GREAT DRILL CHAAYA	18-39.21N 070-58.85E	GREAT DRILL CHITRA	20-17.61N 071-16.76ENEW	HARVEY H WARD	18-34.57N 072-16.74E	JINDAL STAR	19-34.75N 071-59.00E	JT ANGEL	20-19.60N 071-12.51E	NOBLE ED HOLT	19-12.80N 072-06.78E	PARAGON L-786	19-19.47N 071-23.29E	PARAGON M 1161	19-27.55N 071-11.25E	PARAMESWARA	22-49.50N 068-17.75E	RON TAPMEYAR	19-25.44N 071-19.53E	ROWAN LOUISIANA	18-28.02N 072-17.17E	SAGAR GAURAV	22-38.90N 068-25.20E	SAGAR SHAKTI	19-15.09N 070-52.83E	SAGAR JYOTI	18-56.77N 071-54.32E	SAGAR KIRAN	19-25.95N 071-13.04E	SAGAR UDAY	22-58.80N 068-35.90E	TRIDENT II	19-27.37N 071-17.94E	VALIANT DRILLER	19-34.43N 071-23.09E	VIRTUE-I	20-19.05N 072-00.85E	VIVEKANANDA-1	20-32.06N 072-09.16E	VIVEKANANDA-2	19-00.26N 071-51.96E
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238. India East Coast. Charts 355 356 INT 706. Rig list:- ABAN ABRAHAM 16-11.40N 082-10.06E ABAN II 15-22.31N 080-30.51E DEEP DRILLER 5 14-01.71N 080-19.21E NEW DS MATDRILL 16-21.37N 081-58.64E JACK BATES 16-15.28N 082-12.98E RIG 805 16-40.18N 082-25.72E SAGAR BHUSHAN 16-30.05N 082-22.05E SAGAR RATNA 16-22.40N 081-58.65E SAGAR VIJAY 16-19.70N 082-10.85E 2. Wide berth requested. 3. Cancel NAVAREA VIII MSG 211.
239. Cancel NAVAREA VIII MSG 180 and this MSG.
240. India East Coast – off Chennai. Charts 32 313 INT 71. RV Samudra Kaustubh progressing survey in area bounded by 13-48.6N 080-29.0E, 13-24.3N 080-31.9E, 12-59.8N 080-18.6E, 13-48.6N 080-28.2E, 12-59.8N 080-36.3E, 13-24.3N 080-23.8E. 2. Wide berth requested. 3. Cancel this MSG 021830 UTC Apr 17.
241. Andaman Sea – Keating Point. Charts 407 4032 INT 71. DGPS (09-15N 092-46E) inoperative on 23 Mar 17 from 0230 – 1230 UTC. 2. Cancel this MSG 231330 UTC Mar 17.
242. North Indian Ocean. Chart INT 71. SLFV Thiwanka 03 reported adrift 04-10N 082-10E at 220315 UTC Mar 17. 2. Cancel this MSG 250315 UTC Mar 17.
243. India East Coast – off Kakinada. Charts 31 32 INT 71. Firing by naval ships scheduled on 27 Mar 17 from 0130 – 0930 UTC in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E 2. Cancel this MSG 271030 UTC Mar 17.
244. India West Coast – off Mumbai. Charts 211 255 INT 71. MV Flamboyan will progress survey from 24 Mar 17 in vicinity of 19-42.2N 071-04.3E, 19-41.4N 072-04.5E, 19-03.1N 072-12.2E, 19-17.4N 071-05.5E, 18-40.9N 070-57.4E, 18-40.8N 071-03.8E, 18-34N 071-03.8E, 18-34.1N 070-57.3E, 18-42.5N 072-10E, 18-44.6N 072-15.9E, 18-32.3N 072-18.4E, 18-32.4N 072-11.1E. 2. Wide berth requested. 3. Cancel this MSG 301830 UTC Apr 17.
245. India West Coast - Gulf of Kachchh. Charts 203 INT 71. Salaya channel buoys Kachchh retrieved/ Ranwara unlit/VLCC drifted from laid position and unlit. 2. Cancel NAVAREA VIII MSG 232.
246. NW Indian Ocean. Chart INT 71. Tug Northwind towing MFV Verano with 500 M towlength to Alang. PCS at 230700 UTC Mar 17 05-28S 060-51E / 044 / 4.4.
247. Indian Ocean - off Reunion I. Chart INT 71. Yellow buoy reported adrift 20-58.6S 055-08.8E. 2. Cancel this MSG 241000 UTC Mar 17.
248. Lakshadweep Sea – off Colombo. Charts 23 263 INT 71. Naval firing practice scheduled from 270230 – 270630 UTC and 300300 – 301100 UTC Mar 17 in danger area bounded by 07-19N 079-10E, 07-16N 079-30E, 07-06N 079-30E, 07-03N 079-10E. 2. Cancel this MSG 301200 UTC Mar 17.
249. India West Coast – off Netrani I. Charts 22 216 293 INT 71. Firing by naval ships scheduled on 28 Mar 17 from 0330 - 0830 UTC in danger area bounded within 13-56.2N to 14-07.2N and 074-13.6E to 074-25.07E. 2. Cancel this MSG 280930 UTC Mar 17.
250. India West Coast – off Mumbai. Charts 21 253 255 292 INT 71. SV Fugro Mapper will progress survey from 25 Mar 17 in vicinity of 18-31.8N 072-16.7E, 19-21.1N 071-14.6E, 19-08.7N 071-55.2E, 18-29.9N 072-15.0E, 19-07.7N 071-59.9E, 18-01.1N 072-22.7E, 18-08.2N 072-25.2E, 18-08.5N 072-22.1E, 19-27.4N 071-17.9E, 19-20.3N 072-05.6E, 19-15.5N 072-08.2E, 19-39.5N 071-17.8E, 20-08.9N 071-44.9E, 19-16.8N 071-21.3E. 2. Wide berth requested. 3. Cancel this MSG 241830 UTC Apr 17.
251. Lakshadweep Sea – off Colombo. Charts 23 263 264 INT 71. Naval firing practice scheduled on 29 Mar 17 from 0330 - 0930 UTC in danger area bounded within 06-35N to 06-50N and 079-25E to 079-39E. 2. Cancel this MSG 291030 UTC Mar 17.
252. India East Coast – off Kakinada. Charts 31 INT 71. Firing by naval ships scheduled from 301400 – 301800 UTC and 310001 – 310600 UTC Mar 17 in danger area bounded by 16-14N 084-00E, 15-30N 083-24E, 14-58N 083-59E, 14-56N 084-46E, 15-28N 084-58E. 2. Cancel this MSG 310700 UTC Mar 17.
253. India East Coast – off Paradip. Charts 31 351 352 353 INT 71. Experimental flight trial scheduled from ITR on 31 Mar and 01 Apr 17 from 0430-0830 UTC in danger zone bounded by 18-11.47N 085-47.16E, 18-40.21N 089-17.82E, 20-18.33N 088-42.27E, 18-34.14N 085-38.51E. 2. Cancel this MSG 010930 UTC Apr 17.

254.	India West Coast - Gulf of Kachchh. Charts 203 INT 71. Salaya channel buoy Ranwara unlit. 2. Cancel NAVAREA VIII MSG 245.
255.	NAVAREA VIII warnings in force as on 24 Mar 17. 2016 Series - 432 464 572 644 685 702 723 729 779 780 2017 Series – 016 050 061 063 119 151 158 169 173 182 183 189 194 196 198 202 207 216 217 219 220 230 233 234 235 236 237 238 240 242 243 244 246 248 249 250 251 252 253 254 (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet. (B) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.gov.in. 2. Cancel this MSG 311000 UTC Mar 17.
256.	Indian Ocean – off Kenya. Chart INT 71. MV Fugro Discovery progressing survey in areas bounded by 04-20S 039-47E, 04-05S, 039-47E, 04-05S 039-50E, 04-00S 039-50E, 04-20S 041-00E, 04-00S 041-00E and 04-20S 039-43E, 04-20S 041-00E, 04-41.1S 041-00E, 04-41.1S 039-43E. 2. Wide berth requested. 3. Cancel this MSG 241000 UTC Apr 17.
257.	India West Coast – Safety Fairway off Mumbai. Charts 21 255 INT 71. SV Polar Marquis progressing seismic survey in area bounded by 18-52N 070-56E, 19-00N 071-18E, 18-55N 071-24.7E, 18-58N 071-33.2E, 18-49N 071-38.6E, 18-38.3N 071-08.5E, 18-45.4N 070-59.2E, 18-44.2N 070-56.2E, 18-45.2N 070-53.6E, 18-47N 070-52.2E. Vessel towing 10 streamers of 6 KM. 2. Wide berth requested. 3. Cancel NAVAREA VIII MSG 151 and this MSG 161830 UTC Apr 17.
258.	India East Coast – off Krishnapatnam. Charts 31 INT 71. MSG Sagar progressing survey in area bounded by 15-24.5N 085-50.4E, 14-59.5N 085-25.7E, 14-00.9N 084-29.8E, 13-31.1N 083-48.4E, 15-41.6N 083-37.7E, 16-14.2N 084-26.9E, 16-34.7N 084-47.8E. 2. Wide berth requested. 3. Cancel this MSG 291830 UTC Mar 17.
259.	India West Coast – off Tapti Oda. Charts 21 210 INT 71. Firing by CG aircraft scheduled on 27 Mar 17 in danger areas bounded by 20-19N 072-46E, 20-12N 072-46E, 20-12N 072-38E, 20-19N 072-38E from 0330-0630 UTC and 20-13.3N 071-59E, 20-13.3N 072-08E, 20-06N 072-06.9E, 20-06N 071-57.7E from 0830-1130 UTC. 2. Cancel this MSG 271230 UTC Mar 17.
260.	Indian Ocean – off Somalia. Chart INT 71. MV reported hijacked IN vicinity of 07-58N 049-53E at 241545 UTC Mar 17. Vessels advised to keep clear of position and exercise caution. 2. Cancel this MSG 271600 UTC Mar 17.
261.	NW Indian Ocean. Chart INT 71. Tug Northwind towing MFV Verano with 500 M towlengh to Alang. PCS at 241500 UTC Mar 17 02-04S 062-01E / 020 / 5.3. 2. Cancel NAVAREA VIII MSG 246.
262.	India West Coast - Gulf of Kachchh. Charts 203 INT 71. Salaya channel buoy Ranwara retrieved. 2. Cancel NAVAREA VIII MSG 254.
263.	India East Coast- Chennai. Charts 32 313 3004 INT 71. Firing by Naval Coast Battery scheduled on 31 MAR 17 from 0530 - 0730 UTC. 2. Danger sector extending upto 5.5 NM between bearing 045 and 075 from 13-07.02N 080-18.01E. 3. Cancel this MSG 310830 UTC Mar 17.
264.	India West Coast – Gulf of Khambhat. Charts 21 254 INT 71.MV Focus surveyor and explorer progressing seismic survey in area bounded by 21-00.0N 071-45.0E, 21-12.5N 072-09.9E, 21-05.9N 072-00.6E, 21-03.3N 072-02.7E, 21-08.3N 072-09.9E, 21-00.1N 072-10.2E. 2. Wide berth requested. 3. Cancel this MSG 161830 UTC Apr 17.
265.	Andaman Sea – off Yangon River. Charts 41 452 4019 INT 71. Survey for pilot station in progress in 16-13.12N 096-16.95E. 2. Wide berth requested. 3. Cancel this MSG 311830 UTC Mar 17.
266.	India West Coast - Gulf of Kachchh. Charts 203 INT 71. Salaya channel buoys Ranwara and Chandri retrieved. 2. Cancel NAVAREA VIII MSG 262.
267.	Bay of Bengal – off Trincomalee. Charts 359 3014 INT 71. Naval firing practice scheduled on 01 Apr 17 from 0230 – 0830 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E. 2. Cancel this MSG 010930 UTC Apr 17.
268.	NW Indian Ocean. Chart INT 71. Tug Northwind towing MFV verano with 500 M towlengh to Alang. PCS at 270800 UTC Mar 17 04-02N 064-17E / 020 / 5.5. 2. Cancel NAVAREA VIII MSG 261.
269.	NE Indian Ocean. Chart INT 71. Capsized fishing vessel with grey and blue hull reported adrift 09-10S 092-44E at 270821 UTC Mar 17. 2. Cancel this MSG 300900 UTC Mar 17.

270. Cancel NAVAREA VIII MSG 780/16 and this MSG.																		
271. Lakshadweep Sea – off Colombo. Charts 23 263 INT 71. Naval firing practice scheduled on 02 Apr 17 from 0230-0630 UTC in danger area bounded by 07-19N 079-10E, 07-16N 079-30E, 07-06N 079-30E, 07-03N 079-10E 2. Cancel this MSG 020730 UTC Apr 17.																		
272. India West Coast – off Mumbai. Charts 21 211 255 INT 71. CS Asean reporter progressing cable repair using ROV along 19-00.7N 072-13.1E, 18-59.3N 072-10.4E, 19-01N 072-11.4E, 19-01.1N 072-13.7E, 19-00.5N 072-13.8E, 19-00.3N 072-11.7E, 18-58.9N 072-10.9E. 2. Wide berth requested. 3. Cancel this MSG 031830 UTC Apr 17.																		
273. SE Lakshadweep Sea. Chart INT 71. SLFV Suda Duwal reported adrift 05-13N 077-17E at 280700 UTC Mar 17. 2. Cancel this MSG 310700 UTC Mar 17.																		
274. S Arabian Sea. Chart INT 71. Tug Northwind towing MFV Verano with 500 M towlength to Alang. PCS at 290800 UTC Mar 17 08-25N 065-55E/ 020 / 5.5. 2. Cancel NAVAREA VIII MSG 268.																		
275. India West Coast – Kochi. Charts 22 220 260 2029 INT 71. Firing by naval coast battery scheduled on <table border="1" style="margin-left: 40px;"> <thead> <tr> <th>DATE</th> <th>TIME (UTC)</th> </tr> </thead> <tbody> <tr> <td>04APR 17</td> <td>0900-1200</td> </tr> <tr> <td>07APR 17</td> <td>0900-1200AND 1230-1430</td> </tr> <tr> <td>11APR 17</td> <td>0900-1200</td> </tr> <tr> <td>14APR 17</td> <td>0900-1200</td> </tr> <tr> <td>18APR 17</td> <td>0900-1200</td> </tr> <tr> <td>21APR 17</td> <td>0900-1200</td> </tr> <tr> <td>25APR 17</td> <td>0900-1200AND 1230-1430</td> </tr> <tr> <td>28APR 17</td> <td>0900-1200</td> </tr> </tbody> </table> 2. Firing area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44.0N 076-17.5E, 09-42.5N 076-09.5E. 3. Cancel this MSG 281300 UTC Apr 17.	DATE	TIME (UTC)	04APR 17	0900-1200	07APR 17	0900-1200AND 1230-1430	11APR 17	0900-1200	14APR 17	0900-1200	18APR 17	0900-1200	21APR 17	0900-1200	25APR 17	0900-1200AND 1230-1430	28APR 17	0900-1200
DATE	TIME (UTC)																	
04APR 17	0900-1200																	
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18APR 17	0900-1200																	
21APR 17	0900-1200																	
25APR 17	0900-1200AND 1230-1430																	
28APR 17	0900-1200																	
276. S Bay of Bengal. Charts 358 INT 71. SLFV Sanath06 reported adrift 10-18N 080-47E at 290630 UTC Mar 17. 2. Cancel this MSG 010630 UTC Apr 17.																		
277. Cancel NAVAREA VIII MSG 266 and this MSG.																		
278. Central Arabian Sea. Chart INT 71. Tug Northwind towing MFV Verano with 500 M towlength to Alang. PCS at 300800 UTC Mar 10-43N 066-47E / 020 / 5.5. 2. Cancel NAVAREA VIII MSG 274.																		
279. India East Coast- Vishakhapatnam. Charts 31 308 INT 71. Firing by Naval Coast Battery scheduled on 05 Apr 17 from 0630 - 1030 UTC in danger sector extending upto 15 NM between bearing 070 and 130 from 17-42N 083-18E. 2. Cancel This MSG 051130 UTC Apr 17.																		
280. Bay Of Bengal – off Myanmar. Charts 371 INT 71. MV Fugro Voyager progressing survey in area bounded by 19-56.4N 092-25.6E, 19-29.4N 092-42.9E, 19-26.6N 092-34.3E, 19-51N 092-19.9E. 2. Wide berth of 2.2 NM requested. 3. Cancel this MSG 301830 UTC Apr 17.																		
281. Central Arabian Sea. Chart INT 71. Tug Northwind towing MFV Verano with 500 M towlength to Alang (.) PCS at 310800 UTC Mar 12-59N 067-39E/ 020 / 5.5. 2. Cancel NAVAREA VIII MSG 278.																		
282. Cancel NAVAREA VIII MSG 253 272 and this MSG.																		
283. NAVAREA VIII Warnings in force as on 31 Mar 17. 2016 series - 432 464 572 644 685 702 723 729 779 2017 series – 016 050 061 119 158 169 173 183 189 194 196 198 202 207 216 217 219 220 230 237 238 240 244 250 256 257 264 265 267 271 275 276 279 280 281 282 (a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet. (b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.gov.in . 2. Cancel this MSG 071000 UTC Apr 17.																		

6.1

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII

CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D7089-05	- Musoir de Terre Sainte. Head	21 20.88 S 55 28.73 E	Fl G 4s	13	7	White pylon, green top	fl 1.
D7372.8	- Ar Ruways (Ruways). Borouge Berths. W End	24 08.19 N 52 44.99 E	Oc W	..	..	Beacon 2	*
D7373	- Ar Ruways (Ruways). Borouge Berths. Centre	24 08.13 N 52 45.08 E	Oc W	..	..	Beacon 2	*
D7373.1	- Ar Ruways (Ruways). Borouge Berths. E End	24 08.09 N 52 45.18 E	Oc W	..	..	Beacon 2	*
D7373.15	- Ar Ruways (Ruways). Borouge Berths. South Pier	24 08.13 N 52 45.39 E	Oc W	..	..	Beacon 2	*
D7373.18	- Ar Ruways (Ruways). Borouge Berths. North Pier	24 08.40 N 52 45.39 E	Oc W	..	..	Beacon 2	*
D7690	Chiru	24 42.26 N 53 43.60 E	Fl(2) W 10s	..	12	Concrete column 2	*
D7691	JAZIREH-YE-HENDORABI - Jazireh-ye-Hendorabi	26 40.23 N 53 38.64 E	Fl(2) W 10s	58	12	Beacon	*
D7692.05	Remove from list ; deleted						*
D7692.1	- Masheh. E Breakwater. Head	26 34.32 N 54 00.57 E	Fl R 5s	..	7		*
D7692.15	- - W Breakwater. Head	26 34.39N 54 00.38 E	Fl G 5s	..	7		*
D7692.3	Remove from list ; deleted						*
D7694	Bandar-e Charak	26 43.25 N 54 17.01 E	Fl(2) R 6s	5	7	Red on red pile	*
D7694.1	Bandar-e Charak	26 43.37 N 54 17.01 E	Fl(2) G 6s	5	7	Green on green pile	*
D9244	Bu Tinah. South- westwards. WMA-1	24 32.16 N 52 57.14 E	Mo(U)W 20s	..	..	Platform	TE 2017
F1064.2	Mun Aung Island. Ohnchaung	18 51.16 N 93 44.26 E	Oc R 4s	12	5	Metal frame on red and white concrete base	*
F1064.21	Mun Aung Island. Ohnchaung	18 50.92 N 93 44.42 E	Oc R 4s	9	5	Metal frame on red and white concrete base	*
F1064.3	Remove from list ; deleted						*
F1167	Ban Thap Lamu. Laem Ao Kham	08 35.19 N 98 13.17 E	Fl W 4s	70	15	White metal framework tower 31	fl 0-5. TE 2017

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 05 dated 01Mar 2017)

NIL

INP 31(2), 2014

(Last correction: Edition No. 03 dated 01 Feb 2017)

PAGE 82, TABLE 2

Delete: TABLE 2, and replace by:

TABLE 2

This table is designed for use with secondary time signal source which do not carry coded, voice or Morse indications of the difference between the transmitted time signals and UT1.

It allows the user to correct the value of disseminated UTC by adding or subtracting DUT1 as indicated, so obtaining UT1 to a precision of 0.1seconds.

Time UTC	Commencing Date	DUT1	Notified
0 hours	31 Jan 2013	+0.2 seconds	12/13
0 hours	11 Apr 2013	+0.1 seconds	18/13
0hours	22 Aug 2013	0.0seconds	51/14
0 hours	21 Nov 2013	-0.1seconds	51/14
0 hours	20 Feb 2014	-0.2seconds	51/14
0 hours	08 May 2014	-0.3seconds	51/14
0 hours	25 Sep 2014	-0.4 seconds	51/14
0 hours	25 Dec 2014	-0.5 seconds	51/14
0 hours	28 May 2015	-0.7 seconds	25/15
0 hours	01 Jul 2015	+0.3 seconds	43/15
0 hours	17 Sep 2015	+0.2 seconds	43/15
0 hours	26 Nov 2015	+0.1 seconds	46/15
0 hours	31 Jan 2016	+0.0seconds	03/16
0 hours	24 Mar 2016	-0.1 seconds	10/16
0 hours	19 May 2016	-0.2seconds	18/16
0 hours	01 Sep 2016	-0.3seconds	33/16
0 hours	17 Nov 2016	-0.4seconds	44/16
0 hours	01 Jan 2017	+0.6 seconds	02/17
0 hours	26 Jan 2017	+0.5 seconds	04/17
0 hours	30 Mar 2017	+0.4 seconds	11/17

(Source: BA 11/17)

(07/17)

INP 31(5), 2011

(Last correction: Edition No. 01 dated 1 Jan 2017)

NIL

8.2

INP 31(6), 2012

(Last correction: Edition No. 03 dated 01 Feb 2017)

NIL

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office
107-A, Rajpur Road,
Dehradun - 248001
(UTTARAKHAND), INDIA
e-mail: - inho@navy.gov.in, msis-inho@navy.gov.in
Fax No.: +91-135- 2748373
WEB: www.hydrobharat.gov.in

Instructions for filling up IH 102

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

Position Reporting

3. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/Everest/Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. Paper Charts. A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. ENCs. A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

Depth Reporting

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) the trace being weaker than normal for the depth recorded;
- (b) the trace passing through the transmission line;
- (c) the feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102 A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

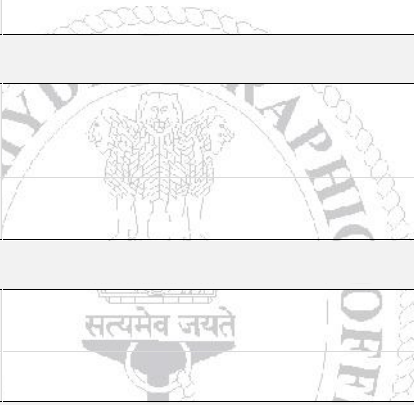

Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication from National Hydrographic Office to the sender of Hydrographic Notes will only be necessary to verify unusual features or abnormal values reported.



HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry	<input type="checkbox"/> Nav. Dangers	<input type="checkbox"/> Nav. aids		
	<input type="checkbox"/> Designated Areas	<input type="checkbox"/> Others			
Geographical Position (See Instructions Overleaf)	Latitude			Longitude	
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected				Edition	
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected				Edition	
Page No./Light No. etc					
Details:					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)		IH.102A (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
1. NAME OF PORT			
Location	Latitude		Longitude
2. GENERAL REMARKS			
Principal activities and trade			
Number of ships and tonnage handled per year			
Maximum size of draught of vessel handled			
Copy of Port handbook (if available)			
3. ANCHORAGES			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
4. PILOTAGE			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
5. DIRECTIONS			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
6. POLLUTION CONTROL			
Local regulation in force (If Any)			
7. TUGS			
Number available / Tug type			
Maximum HP / Bollard pull			

7. TUGS (Continued)	
Requesting authority	
Availability timing / Communication	
Hiring charges	
8. BERTHING AND WHARVES	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
9. CARGO HANDLING	
Containers	
Lighters & Ro-Ro etc.	
10. CRANES	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
11. BRIDGES	
Vertical clearance	
12. REPAIRS	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
13. SERVICES	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

14. RESCUE & DISTRESS	
Salvage, Lifeboat, Life guards, etc	
15. SUPPLIES	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
16. COMMUNICATIONS	
Road, Rail and Air services available	
Nearest airport or airfield	
Port Radio and Information Service (Frequencies and Operating Hours)	
17. PORT AUTHORITY	
Designation, Address, Telephone, E-mail Address and Website	
18. SECURITY	
Security of ports / International Ship and Port Facility Security (ISPS) compliance	
Custom and Immigration Regulations in force	
19. SMALL CRAFT FACILITIES	
Information and facilities for small craft, yachts visiting the port	
Yacht clubs, berths etc	
20. SHORT LEAVE	
21. CLUBS RECREATION	
Information Kiosk (Location)	
Foreign Exchange firms / Banks (Within / Near Port Area)	
Places of interest near port	
22. VIEWS	
Photographs(Duly annotated) of the approaches, leading marks, the entrance to the harbour etc.	
23. ADDITIONAL DETAILS	
Any other information considered to be useful for the mariners	
SIGNATURE OF THE OBSERVER / REPORTER / MASTER	



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

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