



INDIAN NOTICES TO MARINERS

EDITION NO. 02 DATED 16 JAN 2023

(CONTAINS NOTICES 034 TO 043)



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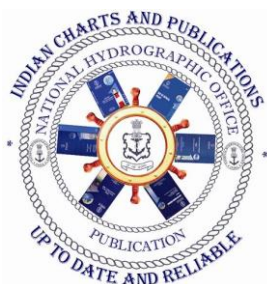
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

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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 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 new Indian Charts that are available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
Nil					

2. The new edition Indian Charts that are available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
Nil					

3. The Indian Charts that are permanently withdrawn are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
Nil				

4. The new Indian Electronic Navigational Charts that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
Nil			

5. The new edition Indian Electronic Navigational Charts that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN63037D	3037	DHAMRA PORT	11-01-2023

6. The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN63037D	3037	DHAMRA PORT	14-03-2022

7. The forthcoming Indian Charts are as follows:-

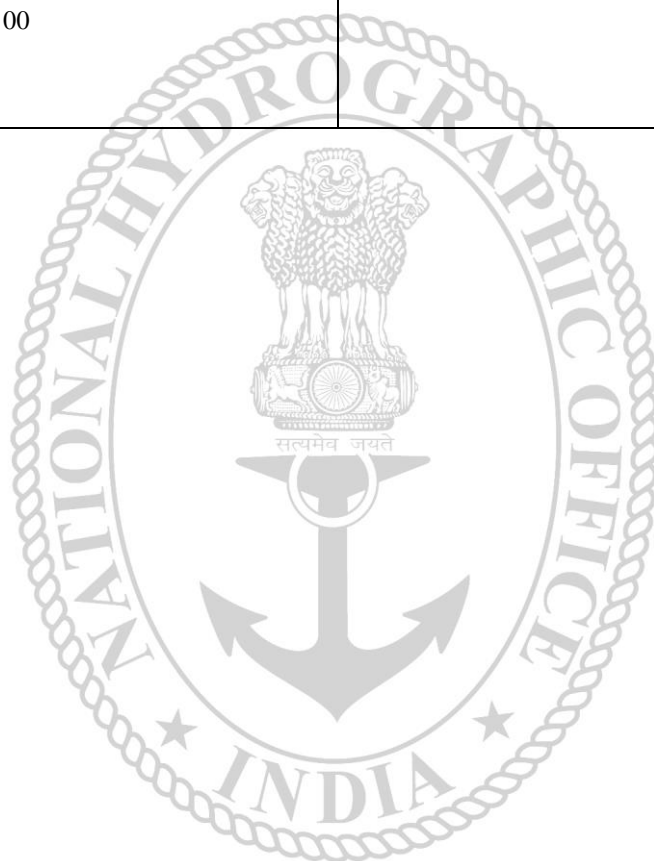
<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
253	VERAVAL TO PIPAVAV	3,00,000	New Edition

VI

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 worldwide 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	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
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	



SECTION – I

The list of charts affected by the Notices 034 to 043 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	035 (T), 037 (T), 043 (T)
22 (INT 752)	3	035 (T), 037 (T)
31 (INT 756)	5	039 (T), 042 (T), 043 (T)
32 (INT 754)	5	039 (T), 040 (P), 043 (T)
33 (INT 755)	5	039 (T), 040 (P), 043 (T)
41 (INT 757)	6	039 (T)
207	2	035 (T)
209	3	035 (T)
210	3	035 (T)
211	3	035 (T)
222	4	036 (T)
223	4	036 (T)
253 (INT 7328)	2	035 (T)
254 (INT 7331)	3	035 (T)
255 (INT 7334)	3	035 (T)
256 (INT 7340)	3	035 (T)
260 (INT 7362)	4	036 (T)
261	4	036 (T)
268 (INT 7353)	4	037 (T)
273	4	037 (T)
291	2	043 (T)
292 (INT 7021)	2	035 (T), 037 (T)
293 (INT 7022)	3	035 (T), 037 (T)
294 (INT 7023)	4	037 (T)
313	5	040 (P)
315	5	043 (T)
316	5	043 (T)
354 (INT 7408)	5	038 (T)
355 (INT 7405)	5	038 (T)
356 (INT 7400)	5	040 (P)
358 (INT 7394)	5	043 (T)
391	5	038 (T), 039 (T), 040 (P)
404 (INT 7439)	6	039 (T)
405 (INT 7440)	6	039 (T)
473 (INT 7031)	6	039 (T)
2012	4	036 (T)
2047	4	037 (T)
2101 (INT 7347)	3	035 (T)
3001 (INT 7402)	5	040 (P)
3017	5	034
3028 (INT 7404)	5	040 (P)
3037	5	034
3038	5	034
3042	5	038 (T)
4115	6	039 (T)
7070 (INT 70)	1	041 (T), 043 (T)
7071 (INT 71)	1	041 (T), 043 (T)

CHART NUMBER	FOLIO NO.	NOTICE NO.
7072 (INT 72)	1	043 (T)
7073 (INT 73)	1	041 (T), 043 (T)
7508 (INT 508)	1	043 (T)
7701 (INT 701)	1	043 (T)
7702 (INT 702)	1	041 (T), 043 (T)
7703 (INT 703)	1	037 (T), 043 (T)
7705 (INT 705)	1	037 (T), 043 (T)
7706 (INT 706)	1	039 (T), 043 (T)
7707 (INT 707)	1	043 (T)
7708 (INT 708)	1	043 (T)



SECTION – II**PERMANENT NOTICES*****034 (02/23) INDIA – WEST COAST – Dhamra Port– Buoys**

Source: Dhamra Port Ltd.

Chart 3017 [previous update 195/21]



Insert		Fl.G.6s No17		20°50′.88N., 086°59′.16E.
Move		Fl.G.6s No19	from	20°50′.24N., 086°58′.68E.
			to	20°50′.43N., 086°58′.73E.

Chart 3038 [previous update NE 15 Feb 2022]









Insert		Fl.G.4s		20°50′.89N., 086°58′.74E.
		Fl.G.4s		20°50′.57N., 086°58′.64E.
		Fl.G.6s No17		20°50′.88N., 086°59′.16E.
Move		Fl.G.6s No19	from	20°50′.46N., 086°58′.76E.
			to	20°50′.43N., 086°58′.73E.

Chart 3037 [previous update NE 15 Feb 2022]

Insert		Fl.G.4s		20°50′.89N., 086°58′.74E.
		Fl.G.4s		20°50′.57N., 086°58′.64E.
		Fl.G.6s No17		20°50′.88N., 086°59′.16E.
Move		Fl.G.6s No19	from	20°50′.46N., 086°58′.76E.
			to	20°50′.43N., 086°58′.73E.

Section – III**TEMPORARY AND PRELIMINARY NOTICES**

1. It is brought to the information to the users that same or all information contained in this Temporary Notices to mariner may have been included in the relevant ENC's.
2. New TPNMs are now part of ENC updates from 01 Oct 22 onwards.
3. All in force Temporary and Preliminary Notices are available for visualisation along with details of affected Charts and ENCs for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.

*035 (T) (02/23) INDIA – WEST COAST – Arabian Sea – Oil Rigs.	
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
Rig Name	Position
Aban III	18° 40'.37N., 72° 21'.47E.
Aban IV	19° 34'.32N., 71° 17'.75E.
Aban VIII	18° 44'.50N., 72° 19'.63E.
CE Thornton	19° 26'.11N., 71° 24'.16E.
Compact Driller	21° 01'.91N., 72° 33'.25E.
Discovery 1	19° 15'.95N., 72° 06'.05E.
DS Fossil	19° 14'.74N., 72° 06'.45E.
DS Fortune	18° 34'.48N., 72° 16'.76E.
FG MC Clintok	18° 42'.53N., 72° 20'.47E.
Foresight Driller IX	18° 18'.63N., 72° 21'.81E.
Great Drill Chaaru	18° 44'.08N., 72° 18'.47E.
Great Drill Chetna	19° 47'.74N., 71° 15'.67E.
Great Drill Chaaya	18° 38'.79N., 72° 14'.94E.
Great Drill Chitra	18° 29'.41N., 72° 14'.73E.
Jindal Star	18° 33'.72N., 72° 17'.66E.
Jindal Supreme	19° 46'.85N., 72° 17'.12E.
JT Angel	20° 11'.52N., 71° 52'.25E.
Jindal Explorer	19° 13'.35N., 72° 10'.87E.
Parameswara	19° 27'.35N., 71° 17'.94E.
Ron Tappmeyer	19° 40'.37N., 71° 38'.55E.
Sagar Vijay	19° 15'.06N., 71° 05'.43E.
Sagar Jyoti	19° 10'.62N., 70° 53'.02E.
Sagar Kiran	19° 25'.06N., 71° 12'.76E.
Sagar Ratna	19° 14'.67N., 71° 19'.47E.
Sagar Shakti	20° 20'.87N., 72° 13'.94E.
Sagar Uday	19° 23'.15N., 71° 51'.37E.
Sagar Gaurav	19° 58'.89N., 71° 39'.72E.
Trident 2	19° 26'.71N., 71° 20'.61E.
Trident 12	19° 07'.39N., 72° 06'.44E.
Vivekananda 1	19° 08'.72N., 71° 55'.25E.
Vivekananda 2	19° 24'.65N., 71° 13'.07E.
Virtue 1	19° 10'.61N., 70° 57'.65E.
Victory Driller	19° 15'.66N., 71° 21'.21E.
2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.	
3. All positions referred to WGS 84 datum	

Charts Affected – 21 – 22 (INT 752) - 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 207 – 209 – 210 – 211 – 2101 (INT 7347)

Former INTM 214 (T)/22 is cancelled.

***036 (T) (02/23) INDIA – WEST COAST – Vizhinjam Anchorage, Alleppey Anchorage – Buoys.**

Source: Adani Vizhinjam Port Pvt. Ltd.

1. Intensive shoreline monitoring of the coast 20 KM on either side of Vizhinjam Port is in progress. As part of the project 02 Turbidity buoys and 01 Wave Rider Buoy along with 05 navigational buoys is placed in following position:-

Buoy	Location	Navigational Buoy	Location
Wave Rider Buoy	08° 21' 70N., 76° 59' 56E.	C2	08° 22' 21N., 76° 59' 28E.
Turbidity Buoy No. 1	08° 20' 98N., 77° 00' 13E.	C3	08° 21' 85N., 76° 59' 08E.
Turbidity Buoy No. 3	08° 22' 33N., 76° 59' 21E.	C4	08° 21' 38N., 76° 59' 74E.
		C5	08° 20' 80N., 77° 00' 28E.
		C6	08° 20' 94N., 77° 00' 43E.

2. The buoys have been deployed for a probable duration of 03 years.

3. Vessels are advised to navigate with caution and contact local port authorities for more information.

Charts Affected – 260 (INT 7362) – 261 – 222 – 223 – 2012

Former INM 034(T)/22 is cancelled.

*037 (T) (02/23)	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoys.	
Source: NIOT, Chennai.		
1. Following yellow color data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-		
Buoy No./Name	Position	Chart Affected
AD06/OB	18° 24′.60N., 067° 28′.02E	21, 292 (INT 7021), 293 (INT 7022)
AD07/OB	14° 56′.62N., 068° 59′.08E	293 (INT 7022)
AD08/OB	12° 03′.60N., 068° 37′.63E	7703 (INT 703), 7705 (INT 705)
AD09/OB	08° 05′.02N., 073° 15′.67E	22 (INT 752), 273
AD10/OB	10° 19′.53N., 072° 37′.37E	22 (INT 752), 273, 268 (INT 7353)
CALVAL/MB	10° 35′.52N., 072° 15′.98E	22 (INT 752), 273, 268 (INT 7353)
CBO2/CB	10° 52′.42N., 072° 12′.57E	22 (INT 752), 273 ,268 (INT 7353), 294 (INT 7023), 2047
STBO2/TB	20° 45′.60N., 065° 16′.80E	21, 7705 (INT 705)
TB12/TB	19° 53′.75N., 066° 59′.82E	21, 292 (INT 7021)
2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.		
3. All positions are in WGS 84 datum.		
Former INTM 198 (T)/22 is cancelled.		

*038 (T) (02/23) INDIA – EAST COAST – Bay of Bengal – Oil Rigs.	
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
Rig Name	Position
Aban II	16° 20'·51N., 81° 55'·45E.
DDKG 1	16° 32'·23N., 82° 35'·69E.
Platinum Explorer	16° 18'·74N., 82° 17'·00E.
Olinda Star	16° 19'·22N., 82° 16'·33E.
Key Singapore	16° 27'·76N., 82° 10'·64E.
2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.	
3. All positions referred to WGS 84 datum.	
Charts Affected – 391 – 354 (INT 7408) – 355 (INT 7405) – 3042.	
Former INTM 221 (T)/22 is cancelled.	

***039 (T) (02/23) INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.**

Source: NIOT, Chennai.

1. Following yellow color data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-

Buoy No./Name	Position	Chart Affected
BD08/OB	17° 49'·25N., 089° 12'·50E	31(INT 756)
BD09/OB	17° 30'·13N., 089° 08'·28E	31(INT 756)
CB01/CB	11° 35'·33N., 092° 35'·76E	33 (INT 755), 41 (INT 757), 473 (INT 7031), 404 (INT 7439), 405 (INT 7440), 4115
TB06/TB	13° 27'·80N., 084° 21'·65E	32 (INT 754), 33 (INT 755), 391
TB09/TB	17° 06'·25N., 089° 59'·55E	31(INT 756), 7706 (INT 706)
STB05/TB	13° 28'·20N., 088° 59'·40E	33(INT 755), 7706 (INT 706)

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.

3. All positions are in WGS 84 datum.

Former INTM 200 (T)/22 is cancelled.

***040 (P) (02/23) INDIA – EAST COAST – Kamarajar Port – Jetty Construction.**

Source: Kamarajar Port Ltd.

1. Construction of IOCL Captive POL/LPG Jetty at Kamarajar Port Ltd. is in progress in the area bounded by the following coordinates:-

Sl. No.	Position
(a)	13° 16'·46N., 080° 20'·93E.
(b)	13° 16'·43N., 080° 20'·85E.
(c)	13° 16'·29N., 080° 20'·88E.
(d)	13° 16'·30N., 080° 20'·95E.
(e)	13° 16'·11N., 080° 20'·97E.
(f)	13° 16'·09N., 080° 20'·93E.
(g)	13° 15'·93N., 080° 20'·95E.
(h)	13° 15'·92N., 080° 20'·89E.
(j)	13° 15'·59N., 080° 20'·94E.
(k)	13° 15'·62N., 080° 21'·12E.

2. Mariners are advised to navigate with caution in the area and contact Port authority for latest information.

Charts affected – 32 (INT 754) – 33 (INT 755) – 391 – 356 (INT 7400) – 313 – 3001 (INT 7402) – 3028 (INT 7404).


***041 (T) (02/23) INDIAN OCEAN – Data Buoys and Tsunami Buoys.**

Source: NIOT, Chennai.

1. Following yellow colour data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-

Buoy No./Name	Position	Chart Affected
S11RZ/MB	13° 32' .93S., 075° 37' .63E	7070 (INT 70), 7071 (INT 71), 7073 (INT 73), 7702 (INT 702)

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.
3. All positions are in WGS 84 datum.

*042 (T) (02/23)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wreck.	
Source: BNHOC Notice No. 01(T)/2023.		
Insert		21° 11′.00N, 089° 59′.00E.
Charts Affected – 31(INT 756)		

***043 (T) (02/23) INDIAN OCEAN - NORTHERN PART - RAMA Buoys.**

Source: NOAA.

1. Following research moored array of African - Asian - Australian Monsoon analysis and prediction (RAMA) buoys laid in following positions:-

Buoy No./Name	Position
RA185A	15° 01'.70N., 089° 02'.50E
RA184A	00° 00'.00N., 089° 57'.60E
RA176A	00° 58'.70S., 100° 21'.80E
RA175A	01° 32'.90S., 080° 34'.00E
RA183A	07° 57'.20N., 067° 06'.50E
RA182A	04° 14'.20N., 066° 41'.10E
RA181A	08° 07'.70S., 110° 32'.90E
RA180A	00° 25'.40N., 067° 01'.10E
RA179A	01° 35'.80S., 066° 49'.10E
RA177A	04° 07'.10S., 057° 11'.00E
RA178A	09° 24'.80S., 051° 07'.10E
RT033	09° 46'.60N., 080° 16'.60E
RT030	00° 47'.80S., 083° 06'.70E
RT029	12° 34'.90S., 068° 50'.60E
RT028	11° 50'.50S., 080° 18'.80E
RT036	06° 34'.70S., 060° 50'.40E
RT035	12° 11'.60S., 067° 14'.20E
RT032	25° 06'.80N., 062° 20'.00E

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.
3. All positions are in WGS 84 datum.

Charts Affected - 21 - 31 (INT 756) - 32 (INT 754) - 33 (INT 755) - 291 - 315 - 316- 358 (INT 7394) - 7070 (INT 70) - 7071 (INT 71) - 7072 (INT 72) - 7073 (INT 73) - 7508 (INT 508) - 7701 (INT 701) - 7702 (INT 702) - 7703 (INT 703) - 7705 (INT 705) - 7706 (INT 706) - 7707 (INT 707) - 7708 (INT 708).

Former INTM 222 (T)/22 is cancelled.

SECTION – IV

MARINE INFORMATION

1. NAVTEX TRANSMISSION

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

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Bangladesh (Kuakata)	- Operational

Following new NAVTEX stations along the Indian coast have commenced operations:-

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)	Vengurla 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 crews 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: - mrcc-west@indiancoastguard.nic.in. 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 are published in the fortnightly Indian Notices to Mariners.

(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) **Traffic Separation Schemes (TSS):** The TSS is mandatory for all Indian and foreign flag ships and vessels entering and leaving.

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/ IRIDIUM AND SATELLITE PHONE**

(a) 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.

(b) 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).

(c) 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.

8. **ADVISORY FOR ALL VESSELS NAVIGATING INDIAN WATERS**

(a) All vessels navigating in Indian waters are cautioned to keep a sharp look-out for fishing vessels and small crafts, as there have been several incidents of collisions with such vessels in the past resulting in loss of innocent lives as well as damage to property.

(b) It is further cautioned that all vessels need to exercise extreme care while navigating during hours of darkness as such vessels are generally of primitive built (wood/fibre/etc) due to which it may not be detected on ship's radar, especially during adverse weather conditions. Also, such vessels may not be properly lit, or sometimes, only one vessel may be lit among multiple vessels in a cluster.

(c) The general areas of concern on the west coast of India are the areas of convergence and divergence of traffic, mainly between Mangalore to Kanyakumari (Cape Comorin). Further, in these areas, additional caution needs to be exercised and wide berth be given to all such vessels.

(d) All fishing vessels are also cautioned to avoid fishing in areas having high density traffic. All fishing vessels are also required to always maintain proper lookout by sight, hearing and by all available means and comply with all applicable provisions of Collision Regulations.

List of Indian Chart Agents

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	M/s VDO Marine Instruments 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
M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl 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	SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in
M/s C & C Marine Combine 25 Bank Street, 1 st 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	M/s Global Marine Infratech Pvt. Ltd. SikshaSandan, Ground Floor, 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
M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, WadiBunder, 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	L. R. Marine Services 301, 3rd Floor, Biryra House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com , lrmarine@live.com
M/s Lift o Marine Allen's Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftomarine.org , liftomarine77@gmail.com Web: www.liftomarine.org	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@iictechnologies.com Web: www.iictechnologies.com
M/s Zenith Surveys (I) Pvt. Ltd. Lakhani'sPlam 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	M/s CNC Office No. S-12-92, Haware's Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: sales@emariner.net

SECTION – V

NAVAREA – VIII WARNINGS IN FORCE.

1. All in force NAVAREA and NAVTEX messages are available for visualisation along with details of affected Charts and ENC's for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
3. NAVAREA VIII Warnings in force as on 16 Jan 23: -

2021 SERIES - 147 286 340 463 478 479 544 629 658 759 761 833
2022 SERIES - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 615 617 623 646 651 656 688 691 702 757 805 824 856 883 931 956 958 970 980 984 993 994 997 1002 1011 1023 1024 1025 1027 1033 1036 1037 1041 1042 1046 1047 1053 1054 1055 1056
2023 SERIES - 004 007 008 013 015 016 027 029 033 034 035 036 037 040 041 042 043 045 046 047 048 049 050 051

4. NAVAREA VIII Warnings issued during the period from 01 Jan 23 to 15 Jan 23 (both dates inclusive) are as tabulated below: –

001.	Wishing all seafarers fair winds, following seas and safe navigation. Shano Varuna.
2.	Cancel this MSG 021000 UTC Jan 22.
002.	NAVAREA VIII Warning are now available on IRIDIUM Safetycast Service/ Web Interface also from 01 Jan 23.
2.	Cancel this MSG 031830 UTC Jan 23.
003.	India West Coast - off Bhatkal. Charts IN 22 216 257 294 2356 INT 7023. Firing scheduled 04 to 07 Jan 23 from 0230 to 1200 UTC in danger area bounded by 14-01.05N 074-27.57E, 13-51.05N 074-27.57E, 13-51.05N 074-07.57E, 14-11.05N 074-07.57E, 14-09.05N 074-22.57E. Wide berth from area advised.
2.	Cancel NAVAREA VIII MSG 1057/22 and this MSG 071300 UTC Jan 23.
004.	India West Coast - off Porbandar. Charts IN 21 291 292 INT 7021. Vessel MSV Nigahe Karam reported sunk in approximate position 21-34.5N 067-33.8E.
005.	Andaman Sea - Port Blair. Charts IN 33 41 473 INT 7031. Firing scheduled 05 and 06 Jan 23 from 1000 to 1200 UTC in danger area bounded by 11-40.8N 092-45.9E, 11-38.13N 093-00.7E, 11-30.65N 092-56.9E, 11-26.33N 092-50.27E. Wide berth from area advised.
2.	Cancel this MSG 061300 UTC Jan 23.
006.	Cancel NAVAREA VIII MSG 1059/22 and this MSG.
007.	India West Coast - Kochi. Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled on (a) 02, 09, 16, 23, 30 Jan 23 from 0900 to 1200 UTC (b) 06, 13, 20, 27 Jan 23 from 0900 to 1200 UTC and 1230 to 1430 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised.
2.	Cancel this MSG 301300 UTC Jan 23.
008.	India West Coast. Charts IN 21 210 255 292 INT 7334. Rig move. Jindal Supreme (18-46.85N 072-17.12E), JT Angel (20-11.52N 071-52.25E), Victory Driller (19-15.66N 071-21.21E). Refer to 214(T) of INTM 24/22. Wide berth requested.
009.	India West Coast. Charts IN 7071 7073 7705 INT 705. Firing scheduled on 03 Jan 23 from 0430 to 0730 UTC in danger area bounded by 15-20N 064-22E, 16-30N 065-29E, 15-20N 066-42E, 14-12N 065-29E. Wide berth from area advised.
2.	Cancel this MSG 030830 UTC Jan 23.
010.	India West Coast - off Alappuzha. Charts IN 22 221 260 INT 7362. Firing scheduled 05, 06 Jan 23 from 0430 to 1130 UTC in danger area bounded within 09-09.50N to 09-19N and 075-52.50E to 076-02.50E. Wide berth from area advised.
2.	Cancel this MSG 061230 UTC Jan 2
011.	Andaman Sea - off Cinque I. Charts IN 33 405 473 4030 INT 7031. Firing scheduled from 06 to 15 Jan 23 from 0130 to 0930 UTC in danger area bounded by 11-15N 092-30E, 11-20N 092-55E, 11-05N 092-55E, 11-00N 092-30E. Wide

<p>011. Continued berth from area advised. 2. Cancel this MSG 151030 UTC Jan 23.</p>
<p>012. Andaman Sea - Off Rutland I. Charts IN 33 41 473 INT 7031. Firing scheduled on 07 Jan 23 from 0630 to 1030 UTC in danger area bounded by 11-36.8N 092-45.66E, 11-36.03N 092-46E, 11-35.33N 092-45.66E, 11-36N 092-44.99E. Wide berth from area advised. 2. Cancel this MSG 071130 UTC Jan 23.</p>
<p>013. India West Coast. Charts IN 21 210 255 292 INT 7334. Rig move. Sagar Shakti (20-20.87N 072-13.94E), Vivekanand-1 (19-08.72N 071-55.25E), Parmeswara (19-27.35N 071-17.94E). Refer to 214(T) of INTM 24/22. Wide berth requested.</p>
<p>014. India West Coast - off Dabhol. Charts IN 21 22 293 INT 7022. IFB Ratna Sagar reported semi-submerged in approximate position 17-30.23N 071-48.20E on 03 Jan 23. 2. Cancel this MSG 061830 UTC Jan 23.</p>
<p>015. India East Coast - Nagapattinam. Charts IN 32 357 3007 INT 7397. DGNSS (10-45.95N 079-51.01E) transmission will be switched off on 06 Jan 23 from 0030 UTC for maintenance.</p>
<p>016. Bay of Bengal. Charts IN 31 7706 INT 756. SW Thuridur progressing seismic survey in area bounded by 18-12.47N 089-20.50E, 18-18.96N 088-35.03E, 19-17.62N 088-12.85E, 19-05.15N 087-32.11E, 19-18.72N 087-27.06E, 19-27.36N 087-53.09E, 19-40.76N 087-48.57E, 19-51.48N 088-22.54E, 20-07.52N 088-16.73E, 20-25.31N 089-14.22E from 06 to 20 Jan 23. Tow length 6nm. Wide berth requested. 2. Cancel this MSG 201830 UTC Jan 23.</p>
<p>017. India West Coast - off Porbandar. Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 11 Jan 23 from 0330 to 1030 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised. 2. Cancel this MSG 111130 UTC Jan 23.</p>
<p>018. India East Coast - off Visakhapatnam. Charts IN 31 308 354 391 INT 7408. Firing scheduled 10 to 13 Jan 23 from 0330 to 1030 UTC in danger area bounded within 17-20N TO 17-45N and 083-25E to 083-50E. Wide berth from area advised. 2. Cancel this MSG 131130 UTC Jan 23.</p>
<p>019. Arabian Sea. Charts IN 7071 7072 7703 INT 71. Surface and subsurface firing scheduled from 101030 to 101300 UTC Jan 23 in danger area bounded by 04-23N 067-10E, 05-00N 068-34E, 03-13N 069-15E, 02-38N 067-52E. Wide berth from area advised. 2. Cancel this MSG 101400 UTC Jan 23.</p>
<p>020. Cancel NAVAREA VIII MSG 630/22 and this MSG. INTM 175 19/22 refers.</p>
<p>021. India West Coast - off Mormugao. Charts IN 22 293 7071 7072 7706 INT 706. Firing scheduled 10 and 11 Jan 23 from 0230 to 1230 UTC in danger areas bounded by (a) 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-30N 073-02E, 14-31N 071-24E (b) 17-23N 070-35E, 16-58N 071-25E, 16-24N 072-09E, 14-31N 071-24E, 16-15N 068-37E. Wide berth from area advised. 2. Cancel this MSG 111330 UTC Jan 23.</p>
<p>022. Northern Indian Ocean. Charts IN 7070 7071 7073 7707 INT 70. Space debris predicted in area bounded by 05-59S 090-05E, 08-37S 089-32E, 08-28S 088-49E, 05-50S 089-23E from 090400 to 091100 UTC Jan 23. 2. Cancel this MSG 091200 UTC Jan 23.</p>
<p>023. Southern Indian Ocean. Charts IN 7072 7073 INT 73. Space debris predicted in area bounded by 20-58S 066-09E, 20-56S 064-27E, 44-35S 063-35E, 44-37S 065-49E from 09 to 15 Jan 23 between 0656 and 0709 UTC. 2. Cancel this MSG 150809 UTC Jan 23.</p>
<p>024. Navarea VIII - Warnings in force as on 05 Jan 2023 2021 Series - 147 286 340 463 478 479 544 629 658 759 761 833 2022 Series - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 615 617 623 646 651 656 688 691 702 757 804 805 824 856 883 931 956 958 970 975 977 979 980 984 993 994 1000 997 999 1002 1011 1012 1023 1024 1025 1027 1033 1036 1037 1040 1041 1042 1046 1047 1048 1050 1051 1052 1053 1054 1055 1056 1061 2023 Series - 003 004 007 008 011 012 013 015 016 (a) NAVAREA VIII warnings less than 42 days promulgated via safetynet. (b) Text of NAVAREA VIII warning inforce including those which no longer broadcast available in www.hydrobharat.gov.in 2. Cancel this MSG 131000 UTC Jan 23.</p>
<p>025. India East Coast - off Balasore. Charts IN 31 351 INT 7419. Experimental flight trial scheduled 10 and 11 Jan 23 from 1400 to 1700 UTC in danger area bounded by 21-22.2N 086-55.71E, 21-08.71N 086-53.63E, 20-48.83N 087-15.95E, 18-26.13N 088-38.23E, 19-09.23N 089-35.63E, 20-57.1N 087-26.86E, 21-21.78N 087-10.85E, 21-22.68N 086-56.35E. Wide berth from area advised. 2. Cancel this MSG 111800 UTC Jan 23.</p>

026. India West Coast - off Ponnani. Charts IN 22 220 259 294 INT 7356. Firing by CG aircraft scheduled 12, 13 Jan 23 from 0330 to 0730 UTC in danger area bounded by 10-50N 075-35E, 10-20N 075-40E, 10-20N 075-10E, 10-50N 075-00E. Wide berth from area advised. 2. Cancel this MSG 130830 UTC Jan 23.
027. India West Coast - off Daman. Charts IN 21 210 255 292 INT 7021. Seismic survey being progressed by crest argus 2 and voyager explorer with node deployment vessel stanford buzzard, stanford hawk and pinging vessel mat mercury, flamboyant and raafi in area bounded by 20-15.38N 071-44.47E, 20-15.31N 071-58.97E, 20-38.37N 072-27.96E, 20-54.83N 072-28.02E, 20-54.93N 071-44.48E. Wide berth of 05 Nm requested. 2. Cancel this MSG 061830 UTC Feb 23.
028. Indian Ocean - off Mombasa. Charts IN 7070 7071 7072 7701 INT 701. CS ILE DE BATZ progressing submarine cable laying along line joining 03-58.1S 039-46.8E, 03-59S 039-59.6E, 04-17.6S 040-23.7E, 04-31.4S 040-41.3E, 04-39.5S 040-54.6E. Wide berth requested. 2. Cancel this MSG 211830 UTC Jan 23.
029. India West Coast - off Mumbai. Charts IN 21 210 255 292 INT 7334. Seismic survey will carry out by Sanco star and Rem andes with node deployment vessel MMA Valour, MMA Vigilant and MMA Monarch and Pinging vessel Orion Dhanashree, Parasea two and seastar Amba one in area bounded by 19-37.1N 071-29.76E, 19-10.85N 071-40.99E, 19-00.86N 071-12.11E, 19-28.11N 071-01.02E from 10 Jan to 09 Feb 23. Wide berth of 05 Nm requested. 2. Cancel this MSG 091830 UTC Feb 23.
030. India West Coast - Okha. Charts in 21 202 203 2068 INT 7319. Firing scheduled on 13 Jan 23 from 0530 to 0730 UTC in danger sector extending upto 12 Nm within bearing 300 to 020 from 22-28.75N 069-04.05E. Wide berth from area advised. 2. Cancel this MSG 130830 UTC Jan 23
031. India West Coast - Mormugao. Charts IN 22 214 257 293 2022 INT 7022. Firing scheduled on 13 Jan 23 from 0330 to 0730 UTC in danger sector extending upto 15 Nm between bearing 220 to 260 from 15-24.7N 073-47.05E. Wide berth from area advised. 2. Cancel this MSG 130830 UTC Jan 23.
032. Arabian Sea - Lakshadweep I. Charts IN 22 268 2007 2023 INT 752. Firing scheduled on 13 Jan 23 from 0230 to 1130 UTC in danger areas bounded by (a) 10-49.4N 073-39.6E, 10-48.4N 073-39.6E, 10-48.4N 073-38E, 10-49.4N 073-38E (b) 10-33.32N 072-38.05E, 10-32.54N 072-38.72E, 10-31.92N 072-37.9E, 10-32.6N 072-37.25E. Wide berth from area advised. 2. Cancel this MSG 131230 UTC Jan 23.
033. India West Coast - off Kanyakumari. Charts IN 22 263 7071 7706 INT 752. Hydrographic survey being progressed in area bounded by 06-26.16N 078-09.5E, 04-47N 077-01.66E, 06-38N 075-35.16E, 06-38N 077-14.4E, 06-26N 077-14.4E. Wide berth requested. 2. Cancel this MSG 201830 UTC Jan 23.
034. India East Coast - off Kakinada. Charts IN 31 354 7071 INT 756. Hydrographic survey being progressed in area bounded by 16-48.5N 082-13.2E, 16-48.5N 082-41E, 16-51.76N 082-41E, 16-31N 083-02.78E, 16-31N 082-13.2E. Wide berth requested. 2. Cancel this MSG 281830 UTC Feb 23.
035. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. Pipeline replacement survey will be carried out by posh natuna with anchor handling vessels posh arcturus and posh paglima in vicinity of (a) 19-16.29N 071-21.36E, 19-25.23N 071-16.86E, 19-25.62N 071-16.16E from 11 TO 22 Jan 23 (b) 19-12.75N 072-06.69E from 23 Jan to 05 Feb 23 (c) 19-20.03N 072-01.12E from 06 to 10 Feb 23. Wide berth requested. 2. Cancel this MSG 101830 UTC Feb 23.
036. Andaman Sea - East I. Charts IN 41 473 4201 INT 757. DGPS transmission (13-37.79N 093-02.94E) will be switched off from 101030 UTC Jan 23.
037. India East Coast - Manappad. Charts IN 32 223 262 INT 7365. Manappad point LT (08-22.37N 078-03.97E) operating at reduced range of 10 Nm.
038. India West Coast - off Mumbai. Charts IN 21 253 255 INT 7328. Semi-submerged vessel reported adrift in approximate position 19-35.41N 070-23.67E at 091030 UTC Jan 23. 2. Cancel this MSG 121030 UTC Jan 23.
039. India West Coast - off Mormugao. Charts IN 22 215 257 2022 INT 7022. Range marker buoy (15-18.36N 073-41.51E) reported missing.
040. India West Coast - off Mumbai. Charts IN 21 255 292 293 INT 7021. LTB 300, AHT Shakti and AHT Maria 1 will carry out pipeline installation in vicinity of 19-20.06N 072-01.26E, 19-18.27N 071-58.59E, 19-25.66N 071-16.15E, 19-25.28N 071-16.85E, 19-24.66N 071-13.08E, 19-25.27N 071-11.46E, 19-22.45N 071-21.46E, 19-25.05N 071-14.47E, 18-34.97N 072-14.44E, 18-08.49N 072-22.07E from 12 Jan to 20 Feb 23. Wide berth requested. 2. Cancel this MSG 201830 UTC Feb 2.
041. India West Coast - off Veraval. Charts IN 21 253 255 292 INT 7021. Oceanic sirius progressing seismic survey in area bounded by 20-02.92N 070-15.78E, 20-02.96N 070-32.99E, 19-44.73N 070-39.66E, 19-31.64N 070-34.30E, 19-30.07N 070-29.91E. Tow length 10km. Wide berth requested.

041. Continued
2. Cancel this MSG 081830 UTC Feb 23.
042. India West Coast - off Mumbai. Charts IN 21 292 293 INT 7021. Seamec princess will carry out pipeline survey in various locations within area bounded by (a) 19-14N to 19-40N and 071-10E to 071-28E from 11 to 28 Jan 23 (b) 18-08N to 19-21N and 071-58E to 072-23E from 29 Jan to 20 Feb 23. Wide berth requested.
2. Cancel this MSG 201830 UTC Feb 23.
043. India West Coast - off Bhavnagar. Charts IN 21 208 254 2102 INT 7331. Perigee LT vessel (21-42.11N 072-18E) retrieved for maintenance from 110145 UTC Jan 23.
044. India West Coast - off Kochi. Charts IN 22 220 259 INT 7356. Firing scheduled 13, 14 Jan 23 from 0830 to 1130 UTC in danger area bounded within 10-08N to 10-18N and 075-30E to 075-39.9E. Wide berth from area advised.
2. Cancel this MSG 141230 UTC Jan 23.
045. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Sea Stallion, Sea Conquest, Sea Jaguar and Sea Melody progressing installation works in areas bounded by (a) 19-41.66N 071-47.37E, 19-41.23N 072-12.16E, 18-54.89N 072-29.05E, 18-55.08N 071-46.56E from 12 to 26 Jan 23 (b) 19-42.47N 070-45.39E, 19-41.66N 071-47.37E, 18-55.08N 071-46.56E, 18-55.91N 070-44.9E from 12 Jan to 12 Feb 23. Wide berth requested.
2. Cancel this MSG 121830 UTC Feb 23.
046. India East Coast - off Balasore. Charts IN 31 301 351 3011 INT 7419. Experimental flight trails scheduled 16, 25 Jan 23 from 0430 to 1130 UTC and 17 to 21 Jan, 23 to 24 Jan 23 from 0630 to 0830 UTC in danger area bounded by (a) 20-57N 086-54E (b) 21-41N 087-54E (c) 21-31N 087-42E (d) 21-13N 087-23E. Danger area extending up to coastline joining point A and B. Wide berth from area advised.
2. Cancel this MSG 251230 UTC Jan 23.
047. India West Coast - off Mormugao. Charts IN 22 293 294 7705 INT 705. Firing scheduled from 170230 to 170530 UTC and 180930 to 181230 UTC Jan 23 in danger area bounded by 15-40N 073-06.8E, 14-03.2N 071-30.1E, 15-00N 070-20E, 16-20N 070-20E, 17-08.4N 071-30E. Wide berth from area advised.
2. Cancel this MSG 181330 UTC Jan 23.
048. Andaman Sea - off Barren I. Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled 17, 20, 23, 31 JAN 23 from 0730 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.
2. Cancel this MSG 311030 UTC Jan 23.
049. India West Coast - Gulf of Khambhat. Charts IN 21 208 254 INT 7331. Wenna, Trewenna and Kohinoor-1 will carry out seismic survey in vicinity of 22-13.39N 072-22.48E, 22-13.40N 072-25.03E, 22-11.22N 072-25.14E, 22-11.27N 072-28.65E, 22-13.59N 072-28.74E, 22-13.68N 072-30.90E, 22-02.85N 072-31.15E, 22-02.85N 072-30.27E, 21-52.75N 072-30.36E, 21-52.69N 072-33.45E, 21-49.19N 072-33.46E, 21-48.98N 072-19.75E, 21-54.34N 072-19.72E, 21-54.35N 072-22.68E from 15 Jan to 14 Feb 23. Wide berth requested.
2. Cancel this MSG 141830 UTC Feb 23.
050. Navarea VIII - Warnings in force as on 13 Jan 2023
2021 Series - 147 286 340 463 478 479 544 629 658 759 761 833
2022 Series - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 615 617 623 646 651 656 688 691 702 757 805 824 856 883 931 956 958 970 980 984 993 994 997 999 1002 1011 1023 1024 1025 1027 1033 1036 1037 1041 1042 1046 1047 1053 1054 1055 1056 1061
2023 Series - 004 007 008 011 013 015 016 023 027 029 033 034 035 036 037 040 041 042 043 044 045 046 047 048 049
(A) NAVAREA VIII warnings less than 42 days promulgated via safety net.
(B) Text of NAVAREA VIII warning in force including those which no longer broadcast available in www.hydrobharat.gov.in .
2. Cancel this MSG 201000 UTC Jan 23.
051. India East Coast - off Kakinada. Charts in 31 354 3009 INT 7407. Naval operations scheduled from 18 to 21 Jan 23 from 0030 to 1300 UTC in danger areas bounded by (a) 17-02.4N 082-18.3E, 17-02.4N 082-20.5E, 17-00.6N 082-19.8E, 17-00.6N 082-17.3E (b) 16-58.2N 082-21.5E, 16-58.2N 082-22.9E, 16-57N 082-22.9E, 16-57N 082-21.7E. Wide berth from area advised.
2. Cancel this MSG 2114000 UTC Jan 23.

SECTION – VI

CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

Bay of Bengal Pilot (INP-2)
Chapter - 2 (Page 113)
MIDPL KATTUPALLI PORT

Article 2.95, Para 2-6

Delete entry and replace by

2 Kattupalli Port is an all weather port with direct berthing facilities. It is a deep draught port capable of handling vessels of draught upto 14.5m.

3 **Limiting conditions.** Port is capable of handling container vessel upto 390 m in length, Car carriers upto 230 m , Bulk carriers and Liquid Carriers upto 250 m. The port authority should be contacted for the latest depth information

4 **Tides and Current.** Tides are semi-diurnal with mean spring tidal range 1.2 m while the mean neap tidal range is 0.2 m. Current at the mouth of harbour during the month of Jan to Feb is $190^0 - 1.0$ knots.

5 **Harbour.** The harbour is entered through a 225 mtrs wide dredged channel marked by light buoys. At the end of channel there is a turning circle, 580m in diameter, near main berthing area. The harbour is protected by two breakwaters North (1.7 km) and South (1.8 km) respectively.

8 **Cranes.** For Container handling each of the berths CB 1 and CB 2 have 4 RMQC (Rail Mounted Quayside Cranes) STS (Ship to Shore) cranes which can handle both 20ft and 40ft containers with 52m outreach and with a safe working load of 65 tons with dual lift and 80 tons on hook. The Container Yard has 18 RTG (Rubber Tyre Gantry) Cranes of 40T capacity each.



6 There are two container berths and one multi cargo berth located in the northern part of the harbour , lengths of berths are B 1 – 350m, B 2 – 360m, B 3 – 294m and depth alongside is 16.0m. There is an old seawater intake/discharge facility for the Chennai Petroleum Corporation Limited (CPCL), to the south which is linked to shore by a 500 mtrs long causeway.

Article 2.95, Para 8

Delete entry

Useful marks.

Article 2.96, Para 7, 8

Delete entry and replace by

7 **Tugs.** Three tugs of 70 Ton, 70 Ton and 45 Ton (Bollard Pull) are available at all times.

SECTION – VII

CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteri stics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
Oman India Fertiliser Company							
D7318-165	- Approach Terminal. Head	22 39-36 N 59 25-60 E	Iso W 4s	4	3	Galvanised steel beacon	
*	*	*	*	*	*	*	*
D7318-166	- - Jetty	22 39-30 N 59 25-55 E	Fl Y 3s	4	3	x on yellow galvanised steel beacon	. .
*	*	*	*	*	*	*	*
KHALIFA PORT							
D7362-61	- Inner Harbour Entrance. Breakwater. Head. IHC-1	24 48-65 N 54 40-21 E	Fl G 5s	. .	. .	Green beacon	. .
*	*	*	*	*	*	*	*
D7362-62	- - - - IHC-2	24 48-76 N 54 40-36 E	Fl R 5s	. .	. .	Red beacon	. .
*	*	*	*	*	*	*	*
D7362-63	- Logistic Terminal. N End. IHC-3	24 48-29 N 54 41-28 E	Fl R 5s	. .	. .	Red beacon	. .
*	*	*	*	*	*	*	*
D7362-64	- - S End. IHC-4	24 47-74 N 54 41-18 E	Fl R 5s	. .	. .	Red beacon	Marks limit of 16.0m dredged area
*	*	*	*	*	*	*	*
D7362-65	- Foreshore Basin. IHC-5	24 47-54 N 54 41-19 E	Fl G 5s	. .	. .	Green beacon	. .
*	*	*	*	*	*	*	*
D7362-836	Remove from list; deleted						
D7362-95	Remove from list; deleted						
D7362-951	Remove from list; deleted						
D7362-953	Remove from list; deleted						
D7362-954	Remove from list; deleted						
D7362-956	Remove from list; deleted						
D7362-957	Remove from list; deleted						
ABU ZABI							
D7363-31	- Mina' Zayid. CG South. S-1/A	24 31-36 N 54 23-95 E	Fl Y 5s	. .	5	Yellow beacon	fl 1.5
	*		*		*	*	
D7363-375	Remove from list; deleted						
D7363-385	- Khawr Laffan. Jazirat Muwasham Landing. B/W-1	24 29-44 N 54 28-62 E	Fl Y 5s	. .	. .	. .	. .
*	*	*	*	*	*	*	*
D7364-437	- Ra's Zubayyah. AN-10	24 20-68 N 54 08-39 E	Fl R 3s	. .	. .	Red beacon	TE; reported missing (T) 2022
	*						*

SIR BANI YAS.								
Ra's Khudayriyah								
D7371-098	- - SB-5 PALACE *	24 16-35 N 52 36-66 E *	Fl Y 5s	..	5	Post	..	
						*	*	
D7371-15	- Ra's al Buwaytir. SB-1 BW PALACE *	24 16-59 N 52 36-78 E *	Fl G 3s *	..	5	..	..
						*		
PORT MUHAMMAD BIN QASIM								
D7760	- Khuddi Island	24 33-60 N 67 13-16 E	Fl(4)W 30s	40	17	White round concrete tower, black bands	TE 2022	
							*	

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019*(Last correction: Edition No. 06 dated 01 Dec 2022)*

NIL

INP 31(2), 2019*(Last correction: Edition No. 01 dated 16 Dec 2022)*

NIL

INP 31(5), 2017*(Last correction: Edition No. 24 dated 16 Dec 2021)*

NIL

INP 31(6), 2018*(Last correction: Edition No. 08 dated 01 Jan 2023)*

**PAGES 147, REUNION (France), GENERAL NOTES,
 ANCHORAGE REGULATIONS,
 CONTACT DETAILS Section**

*Delete entry and replace by:***CONTACT DETAILS:****CROSS SOUTH INDIAN OCEAN (CROSS SOI) REUNION MRCC**

Call: CROSS SOI

VHF Channel: Ch 16

RT Frequency (kHz): 2182 8291

Telephone: +262(0)2 62434343 (196 (abbreviated number from a landline or mobile))

+262(0)6 92880433 (SMS)

+262(0)6 92610108 (Voice/SMS/MMS/WhatsApp)

Fax: +262(0)2 62711595

Telex: +583 422799193 (Inmarsat C)

+881 631448080 (Iridium)

E-mail: reunion@mrccfr.eu

lareunion.mrcc@developpement-durable.gouv.fr

Website: <https://www.dm.sud-ocean-indien.developpement-durable.gouv.fr/cross-r24.html>

MMSI: 006601000

Hr Mr

Call: Capitainerie La Reunion

VHF Channel: Ch 16; 12

Telephone: +262(0)2 62711470

Fax: +262(0)2 62711477

E-mail: dde974capitainerie@wanadoo.fr

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / Harbour 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 : msis-inho@navy.gov.in, 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.

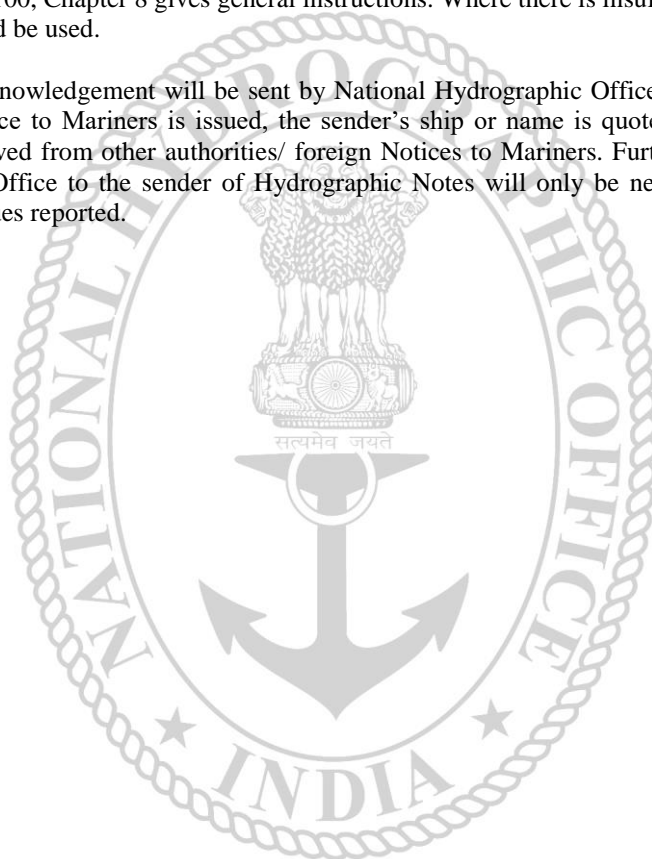
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be 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 102A 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, on receipt. 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, ENC's 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

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

INMARSAT C (IOR) 441907210 CODE: 43 (TOLL FREE)

AFTN: VABBYXYC