



INDIAN NOTICES TO MARINERS



EDITION NO. 04 DATED 16 FEB 2025

(CONTAINS NOTICES 044 TO 053)

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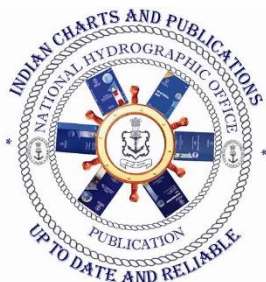
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

FEEDBACK: msis-inho-navy@nic.in



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 X 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.

New Updates

Revised 102A has been updated. Mariners are advised to use updated 102A for provisioning information.

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 X.

Temporary and Preliminary Notices. These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. Sl 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>
NIL			

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>
NIL			

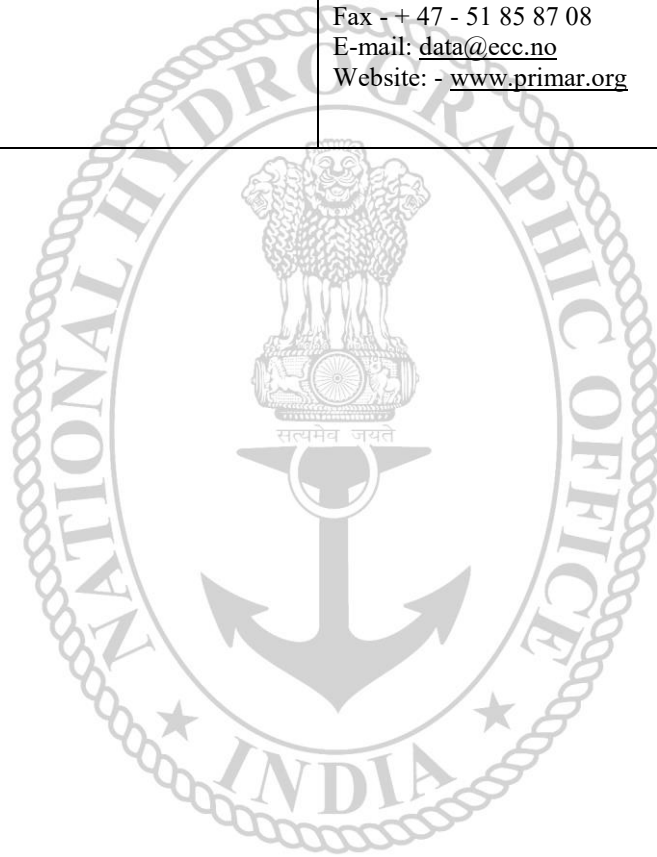
7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2001	MUMBAI DOCKS	10000	NEW EDITION
2013	PORT OF OKHA	12500	NEW EDITION
2031	OKHA HARBOUR	37500	NEW EDITION
2049	DEVGARH HARBOUR	25000	NEW CHART
2054	MADHWAD BAY	25000	NEW EDITION
2123	ULWA CHANNEL	10000	NEW EDITION
4187	PULO MILLOW ANCHORAGE: MEROE ISLAND	25000	NEW CHART

Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through 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 484444 Email: customerservices@ukho.gov.uk Web site: www.admiralty.co.uk	M/s Primar Norwegian Hydrographic Service, Post box No. 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
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SECTION – I

The list of charts affected by the Notices 035 to 041 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	045 (T), 046 (T), 047 (T), 048 (T), 050 (T)
22 (INT 752)	3	045 (T), 046 (T), 048 (T)
31 (INT 756)	5	049 (T), 050 (T), 051 (T), 053 (T)
32 (INT 754)	5	048 (T), 049 (T), 050 (T)
33 (INT 755)	5	049 (T), 050 (T)
41 (INT 757)	6	049 (T), 050 (T), 051 (T)
204	2	045 (T)
207	2	045 (T)
208	2	047 (T)
210	3	045 (T)
211	3	045 (T)
214	3	048 (T)
221	4	048 (T)
251 (INT 7318)	2	048 (T)
252 (INT 7325)	2	045 (T)
253 (INT 7328)	2	045 (T), 48 (T)
254 (INT 7331)	3	045 (T), 47 (T)
255 (INT 7334)	3	045 (T)
256 (INT 7340)	3	045 (T)
257 (INT 7343)	4	048 (T)
258 (INT 7348)	4	048 (T)
260 (INT 7362)	4	048 (T)
261 (INT 7363)	4	048 (T)
263 (INT 7383)	5	048 (T)
268 (INT 7353)	4	044, 046 (T)
271	2	048 (T)
273	4	044, 046 (T)
291	2	045 (T), 048 (T), 050 (T)
292 (INT 7021)	2	045 (T), 046 (T), 047 (T), 048 (T)
293 (INT 7022)	3	045 (T), 046 (T), 048 (T)
294 (INT 7023)	4	046 (T), 048 (T)
295 (INT 7024)	4	044, 046 (T), 048 (T)
313	5	049 (T)
315	5	050 (T)
316	5	050 (T)
356 (INT 7400)	5	049 (T)
357 (INT 7397)	5	049 (T)
358 (INT 7394)	5	050 (T)
391	5	049 (T)
404 (INT 7439)	6	049 (T)
405 (INT 7440)	6	049 (T)
472 (INT 7032)	6	049 (T)
473 (INT 7031)	6	049 (T)
2035	4	044
2039	2	047 (T)

2047	4	046 (T)
2082	2	047 (T)
2110	2	047 (T)
3001 (INT 7402)	5	049 (T)
3004 (INT 7403)	5	049 (T)
4115	6	049 (T)
7070 (INT 70)	1	050 (T)
7071 (INT 71)	1	045 (T), 046 (T), 048 (T), 049 (T), 050 (T)
7072 (INT 72)	1	045 (T), 046 (T), 048 (T), 050 (T)
7073 (INT 73)	1	045 (T), 046 (T), 048 (T), 049 (T), 050 (T)
7508 (INT 508)	1	050 (T)
7701 (INT 701)	1	050 (T)
7702 (INT 702)	1	050 (T)
7703 (INT 703)	1	046 (T), 048 (T), 050 (T)
7705 (INT 705)	1	045 (T), 046 (T), 048 (T)
7706 (INT 706)	1	046 (T), 048 (T), 049 (T), 050 (T)
7707 (INT 707)	1	046 (T), 048 (T), 049 (T), 050 (T)
7708 (INT 708)	1	050 (T)



SECTION – II**PERMANENT NOTICES**

***044 (04/25) INDIA- LAKSHADWEEP SEA LAKSHADWEEP – Kalpeni and Cheriya Island – Wreck.**

Source: IH – 102, INS Sutlej.

Chart 295 [*previous update 136/24*]

Insert



10° 07'.54N., 073° 38'.10E.

Chart 273 [*previous update 136/24*]

Insert



10° 07'.54N., 073° 38'.10E.

Chart 268 (INT 7353) [*previous update 101/24*]

Insert



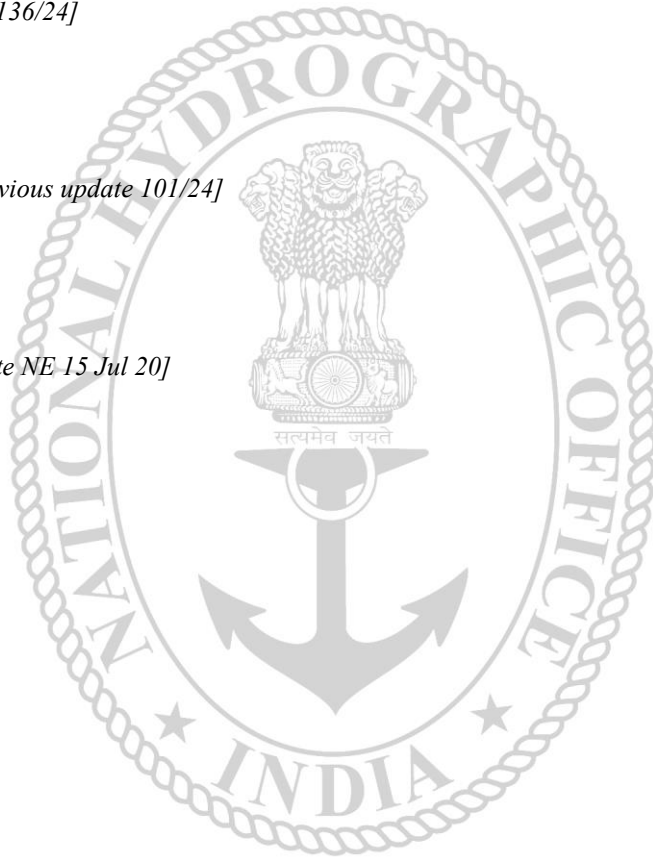
10° 07'.54N., 073° 38'.10E.

Chart 2035 [*previous update NE 15 Jul 20*]

Insert



10° 07'.54N., 073° 38'.10E.



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.

*045 (T) (04/25)	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
Rig Name	Position
Jindal Supreme	19° 04'.20N., 071° 06'.11E.
Sagar Uday	19° 22'.11N., 071° 25'.95E.
Divine Driller	19° 05'.34N., 072° 06'.88E.
Jindal Star	19° 34'.46N., 071° 21'.78E.
Sagar Bhushan	19° 18'.80N., 069° 56'.47E.
Sagar Kiran	19° 41'.63N., 071° 21'.55E.
Great Drill Chaaru	19° 12'.50N., 072° 02'.24E.
CE Thornton	20° 39'.50N., 071° 56'.02E.
Aban VIII	17° 27'.60N., 072° 26'.67E.
Vivekananda 1	18° 39'.22N., 070° 58'.86E.
Key Singapore	18° 38'.79N., 072° 14'.97E.
Aban III	18° 40'.10N., 072° 13'.58E.
Jindal Explorer	18° 56'.92N., 072° 15'.93E.
Great Drill Chaaya	19° 01'.91N., 072° 07'.29E.
Victory Driller	20° 42'.68N., 071° 38'.10E.
Ron Tappmeyer	18° 46'.02N., 072° 17'.96E.
Trident 2	19° 29'.83N., 071° 19'.49E.
Sagar Gaurav	20° 44'.84N., 072° 19'.31E.
Aban IV	18° 39'.66N., 072° 13'.33E.
Sagar Jyoti	20° 39'.28N., 071° 43'.43E.
Sagar Ratna	19° 24'.81N., 071° 59'.51E.
Compact Driller	19° 18'.78N., 072° 01'.55E.
Sagar Vijay	19° 19'.99N., 070° 02'.54E.
Sagar Shakti	18° 58'.05N., 072° 40'.03E.
Admarine 9	19° 19'.83N., 071° 15'.33E.
Trident 12	19° 41'.32N., 071° 36'.61E.
Admarine 10	18° 58'.31N., 071° 47'.57E.
Foresight Driller IX	20° 14'.88N., 071° 57'.77E.
Virtue 1	19° 31'.70N., 071° 16'.52E.
FG MC Clinttok	18° 30'.06N., 072° 15'.95E.
Admarine 11	19° 33'.52N., 071° 24'.81E.
Discovery 1	20° 21'.56N., 072° 01'.43E.
Great Drill Chetna	20° 35'.64N., 072° 08'.03E.
Great Drill Chitra	20° 05'.60N., 071° 48'.56E.
JT Angel	19° 33'.54N., 071° 23'.22E.
Sagar Samrat	18° 58'.43N., 071° 37'.44E.

Vivekananda 2	19° 18'.32N., 071° 22'.76E.
Armada Sterling I	18° 35'.24N., 071° 02'.08E.
Armada Sterling II	19° 10'.50N., 070° 56'.70E.
DS Fossil	19° 25'.05N., 071° 14'.47E.
DS Fortune	19° 29'.91N., 071° 24'.65E.
2. All Highlighted Oil Rigs reflects changes in position of respective Oil Rigs from previous Notice.	
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.	
4. All positions referred to WGS 84 datum	
Charts Affected – 21 – 22 (INT 752) – 204 – 207 – 210 – 211 – 252 (INT 7325) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 271 – 291 – 292 (INT 7021) – 293 (INT 7022) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7705 (INT 705) – 7706 (INT 706).	
<i>Former INTM 043 (T)/25 is cancelled.</i>	

*046 (T) (04/25)	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
AD06/OB	18° 19'.30N., 067° 20'.03E
AD07/OB	14° 55'.48N., 068° 58'.10E
AD08/OB	12° 10'.33N., 068° 05'.50E
AD09/OB	08° 05'.37N., 073° 16'.35E
AD10/OB	10° 18'.80N., 072° 35'.38E
CALVAL/MB	10° 35'.65N., 072° 16'.30E
CB02/CB	10° 52'.75N., 072° 12'.87E
STBO2/TB	20° 45'.60N., 065° 16'.80E
TB12/TB	19° 53'.40N., 066° 59'.55E
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 – 22 (INT 752) – 268 (INT 7353) – 273 – 292 (INT 7021) – 293 (INT 7022) – 294 (INT 7023) – 295 (INT 7024) – 2047 – 7071 (INT71) – 7072 (INT 72) – 7073 (INT 73) – 7703 (INT 703) - 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707).	
<i>Former INTM 037 (T)/25 is cancelled.</i>	

***047 (P) (04/25) INDIA – WEST COAST – Gulf to Khambhat – Dahej Harbour – Jetty Construction.**

Source: Petronet LNG Limited, Dahej.

1. Construction of third jetty and two tug moorings dolphins to the south of its existing south LNG berth is in progress in the area bounded by the following coordinates:-

Sl. No.	Position
(a)	21° 40'.27N., 072° 32'.00E.
(b)	21° 39'.92N., 072° 30'.82E.
(c)	21° 40'.04N., 072° 30'.67E.
(d)	21° 40'.04N., 072° 30'.60E.
(e)	21° 39'.90N., 072° 30'.54E.
(f)	21° 39'.64N., 072° 30'.54E.
(g)	21° 39'.65N., 072° 30'.73E.
(h)	21° 39'.29N., 072° 30'.84E.
(j)	21° 39'.29N., 072° 30'.96E.
(k)	21° 39'.81N., 072° 30'.84E.
(l)	21° 40'.15N., 072° 32'.00E.

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

Charts affected – 21 – 292 (INT 7021) – 254 (INT 7331) – 208 – 2039 – 2082 – 2110.

***048 (T) (04/25) INDIA – WEST COAST – Arabian Sea – ADCP Moorings.**

Source: NIO Goa.

1. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography, Goa in following positions:-

ADCP Mooring	Positions		Depth (in metres)
OGD20	15° 10'.125N	72° 44'.586E	182, 287, 592
OJ D8	17° 31'.883N	71° 07'.048E	194, 399
OMD17	19° 59'.602N	69° 13'.854E	162, 367, 722
OOD6	22° 15'.879N	67° 28'.246E	187, 394, 698
OUD8	12° 29'.131N	74° 02'.335E	146, 246, 651
OKD17	09° 03'.180N	75° 25'.959E	190, 295, 600
KKD15	06° 57'.359N	77° 23'.962E	115, 315, 625
NIOW	14° 37'.763N	72° 53'.585E	154, 199
NIOS	14° 37'.091N	72° 56'.409E	158, 203
NION	14° 39'.540N	72° 55'.421E	153, 198

2. All positions referred to WGS 84 datum.

3. Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.

Charts Affected – 21 – 22 (INT 752) – 32 (INT 754) – 214 – 221 – 251 (INT 7318) – 253 (INT 7328) – 257 (INT 7343) – 258 (INT 7348) – 260 (INT 7362) – 261 (INT 7363) – 263 (INT 7383) – 271 – 272 – 291 – 292 (INT 7021) – 293 (INT 7022) – 294 (INT 7023) – 295 (INT 7024) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707).


Former INM 153 (T)/24 is cancelled.

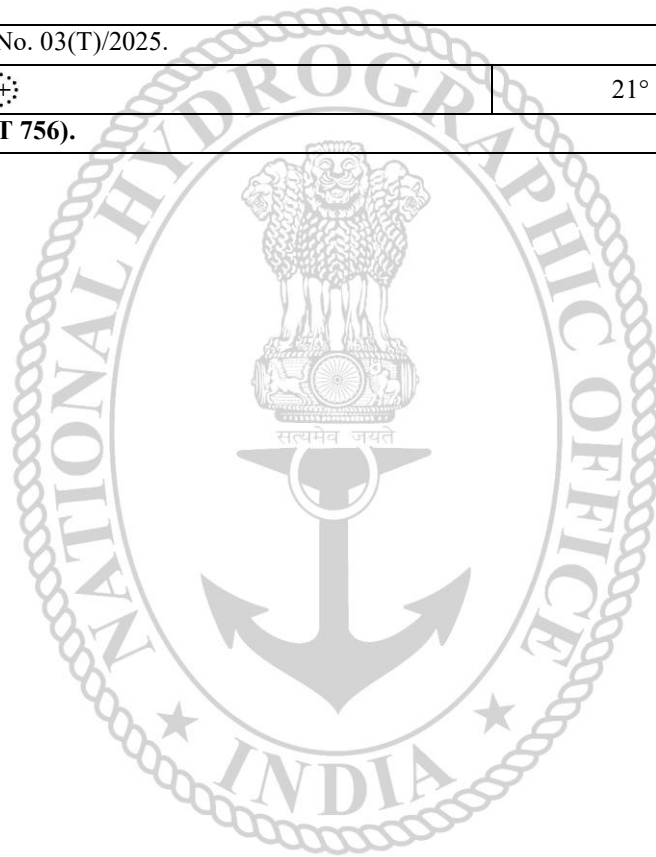
*049 (T) (04/25)	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.	
Source: NIOT, Chennai.		
1. Following yellow color data buoys characteristics <i>FI(4)15s4M</i> , 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-		
Buoy No./Name	Position	
BD08/OB	17° 49'.18N., 089° 11'.08E	
BD09/OB	17° 27'.90N., 089° 08'.12E	
BD10/OB	16° 19'.28N., 087° 59'.48E	
BD11/OB	13° 29'.38N., 084° 07'.32E	
BD13/OB	14° 00'.22N., 087° 00'.38E	
BD14/OB	06° 35'.33N., 088° 21'.40E	
CB01/CB	11° 35'.33N., 092° 35'.77E	
CB06/CB	13° 05'.58N., 080° 18'.45E	
TB05A/TB	10° 10'.98N., 088° 29'.88E	
TB05/TB	10° 16'.72N., 088° 30'.78E	
TB06/TB	14° 42'.40N., 089° 33'.37E	
TB06/TB (New)	14° 42'.30N., 089° 39'.18E	
TB09/TB	16° 45'.63N., 089° 54'.85E	
STB01/TB	06° 15'.00N., 088° 52'.80E	
2. All Highlighted Buoys reflects changes in position of respective buoys from previous Notice.		
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.		
4. All positions are in WGS 84 datum.		
Charts Affected – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 41 (INT 757) – 313 – 356 (INT 7400) – 357 (INT 7397) – 391 – 404 (INT 7439) – 405 (INT 7440) – 472 (INT 7032) – 473 (INT 7031) – 3001 (INT 7402) – 3004 (INT 7403) – 4115 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706) – 7707 (INT 707).		
Former INTM 038 (T)/25 is cancelled.		

*050 (T) (04/25) | INDIAN OCEAN - NORTHERN PART - RAMA Buoys.	
Source: NOAA.	
1. The 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
RA186A	00° 12'.20N., 080° 25'.10E
RA187A	01° 30'.50S., 080° 32'.60E
RA192A	07° 55'.70N., 067° 07'.70E
RA191A	04° 00'.30N., 066° 59'.20E
RA182A	02° 16'.10N., 072° 56'.00E
RA190A	01° 42'.60N., 066° 42'.00E
RA189A	00° 19'.30N., 088° 29'.90E
RA180A	00° 40'.00S., 073° 07'.50E
RA188A	01° 34'.40S., 066° 59'.70E
RA177A	05°49'.10S., 055° 22'.60E
RA178A	08° 49'.20S., 044° 06'.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
RT032	25° 06'.80N., 062° 20'.00E
RT043	03° 55'.20S., 064° 59'.30E
RT042	08° 06'.10S., 065° 04'.30E
RT041	12° 00'.70S., 064° 58'.10E
2. All Highlighted Buoys reflects changes in position of respective buoys from previous Notice.	
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.	
4. All positions are in WGS 84 datum.	
Charts Affected - 21 - 31 (INT 756) - 32 (INT 754) - 33 (INT 755) – 41 (INT 757) - 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) - 7706 (INT 706) - 7707 (INT 707) - 7708 (INT 708).	
<i>Former INTM 039 (T)/25 is cancelled.</i>	

*051 (T) (04/25) | BAY OF BENGAL AND ANDAMAN SEA– Andaman Sea – Geotechnical Site Investigation Survey.		
Source: Myanmar Notice 01/2025.		
1. Geotechnical Site Investigation Survey (GTI) will be carried out in the following coordinates:-		
(i) Well location in offshore block M-5/ M-6		
Sl. No.	Point	Position
(a)	M5-Exp C1	15° 07'.75N., 094° 10'.17E
(b)	M5-Exp C2	15° 02'.84N., 094° 06'.00E
(c)	M6-Exp CA	15° 22'.97N., 095° 13'.99E
(d)	M6-Exp CF	15° 17'.10N., 095° 09'.49E
(e)	Yadana – Infill WP2	15° 09'.15N., 094° 46'.85E
(f)	Badamya – Infill WP4	15° 09'.63N., 094° 43'.03E
(g)	Appraisal – C1	15° 09'.39N., 094° 09'.81E
(h)	Appraisal – C2	15° 03'.56N., 094° 05'.60E
(ii) Wellhead Platform locations in offshore block M-9		
(a)	WPH Zawtika - 41	14° 27'.31N., 095° 34'.94E
2. Geotechnical Site Investigation Survey (GTI) will be conducted by survey vessel; Geo Mariner (Call sign: XVCH7) in the above mentioned coordinates from 27 th February to 30 th April 2025.		
3. During the operation period, Mariners are advised not to trawling, anchor and fishing within 4 km and vessels are advised to keep proper clearance from above mentioned coordinates.		
Charts Affected – 31(INT 756) – 41 (INT 757).		

*052 (T) (04/25)	BAY OF BENGAL AND ANDAMAN SEA– Andaman Sea – Withdrawal of four Myanmar ENC's from AVCS product.
Source: Myanmar Notice 02/2025.	
1. Due to various reasons, the following four Myanmar ENC's from Admiralty Vector Chart Service were withdrawn in recent:-	
Sl. No.	ENCs
(a)	MM4009A2 (Yangon Harbour)
(b)	MM4009A0 (Yangon River)
(c)	MM40024A (Kyauk Phyu Harbour)
(d)	MM40024B (Kyauk Phyu Harbour)
2. The mariners are advised to use updated MNHC produced paper charts for entering/leaving the Yangon Harbour and Kyauk Phyu Harbour and using the Pilot service from Myanmar Port Authority- MPA is compulsory.	

*053 (T) (04/25)	INDIAN OCEAN -Bay of Bengal-Northern Portion – Wreck.	
Source: BNHOC Notice No. 03(T)/2025.		
Insert		21° 46'·10N., 091° 21'·60E.
Charts Affected – 31(INT 756).		



SECTION – IV**MARINE INFORMATION****1. NAVTEX TRANSMISSION**

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

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Myanmar (Yangon, Myeik, Kyau Phyu)	- Operational

NAVTEX stations along the Indian coast:-

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	BI	Broad Cast Timings in UTC					
			0110	0510	0910	1310	1710	2110
(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 other such Satellite Communication in Indian Waters-Reg.**

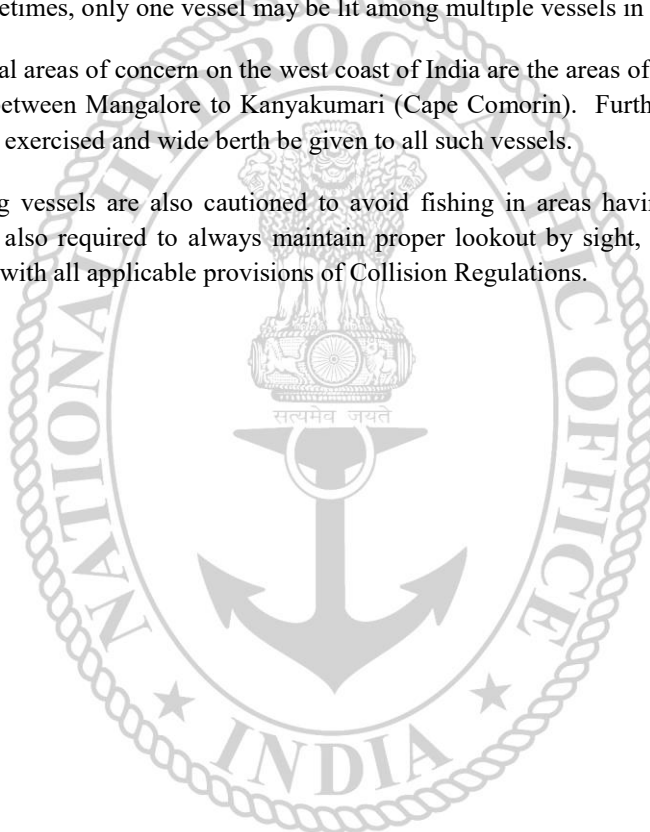
- (a) Under GMDSS, the usage of Iridium Mobile Satellite communication equipment in the Indian Waters are considered subject to the conditions as outlined under;
 - (aa) Merchant ships may install and keep the Iridium equipment active in Indian Territorial waters, provided the equipment is registered and certified as per the prevailing rules of the Flag of the ship and is used only on board ship and the portable Iridium sets may not be carried onto Indian Land Territory.
 - (ab) Iridium Satellite equipment shall be used in GMDSS exclusively for Maritime Radio communications relating to Distress and Safety, Search and Rescue and for receiving Maritime Safety Information (MSI) from ship's fixed installations only.
 - (ac) The ships transiting or visiting in Indian waters shall continue to declare IMEI number of the equipment in the Pre-Arrival Notification on Security (PANS).
- (b) The ship-owners, ship-masters and ship-agents shall mandatorily require to declare details of such satellite phones prior arrival into Indian Waters through the Pre-Arrival Notification on Security (PANS) systems.
- (c) The unauthorized usage of Thuraya, Iridium and other such Satellite equipment shall be prosecuted under Section-6 of Indian Wireless Act and Section-20 of Indian Telegraph Act.
- (d) The Ship-Owners, Ship-Masters, Ship-Operators, Ship-Agents and other stake holders are intimated for strict compliance of this DGS Order.
- (e) This DGS Order No. 09 of 2023 is to be referred for detailed information on this subject.

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

<p>M/s VDO Marine Instruments PO Bag No – 645, 45/271, Shanghar Building, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682003 Tel: +91 4842667157 Fax: +91 4842667121 Email: atmain@md4.vsnl.net.in Web: www.atmain.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>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</p>	<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, Wadi Bunder, P.D. Mellow Road, Masjid Bunder East, Mumbai – 400 009 Tel: +91 22 23736756, Fax: +91 22 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in</p>
<p>M/s Lift o Marine Allens Mansion, C6, Nungi Station Road, Batanagar, Kolkata – 700 140 Tel/Fax: +91 33 24924283, +91 9836972027 Email: sankar@liftomarine.org, liftomarine77@gmail.com Web: www.liftomarine.org</p>	<p>M/s L. R. Marine Services 301, 3rd Floor, Birya House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Mob: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s CNC Office No. S-12-92 Haware's Centurion Premises Coop, Soc. Ltd, Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400 706 Tel: +91 22 22660017/ +91 22 49747575/ +91 7506097212 Cell No: +91 9920654848 Email: sales@emariner.net Web: www.emariner.net</p>	

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 – 2024.
3. NAVAREA VIII Warnings in force as on 16 Feb 25: -

2023 SERIES - 161 386 484 574 703 733 748 750 929 1046 1057
2024 SERIES - 180 188 215 317 481 539 550 584 600 604 640 669 691 707 709 791 817 843 901 947 958 974 1036 1063 1067 1080 1085 1089 1111 1113 1118
2025 SERIES - 003 015 024 028 029 034 035 038 044 045 046 047 048 055 062 063 066 067 068 073 079 080 089 091 093 094 095 096 097 099 100 103 104 105 106 108 109 111 112 113 114 115 118 121 122 123 124 127 128 129 130 133 134 135 137 138 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154

4. NAVAREA VIII Warnings issued during the period from 01 Feb 25 to 16 Feb 25 (both dates inclusive) are as tabulated below: -

<p>110. Andaman Sea - Off Port Blair Charts IN 41 404 473 4016 INT 7031. Firing scheduled from 042230 to 050030 UTC, 051230 to 051730 UTC, 052230 to 060030 UTC, 061230 to 061730 UTC, 062230 to 070030 UTC and 071230 to 071730 UTC Feb 25 in danger area bounded by 11-40.23N 092-45.75E, 11-37.33N 092-47.93E, 11-40.30N 092-50.00E, 11-40.77N 092-45.97E. Wide berth from area advised 2. Cancel this MSG 071830 UTC Feb 25.</p>
<p>111. Andaman Sea - Off South Andaman I. Charts IN 33 41 473 INT 7031. Firing by aircraft scheduled 05, 12, 19, 21 and 28 Feb 25 from 0430 to 0630 UTC in danger area bounded by 11-40N 092-27E, 11-43N 092-16E, 11-52N 092-19E, 11-48N 092-29E. Wide berth from area advised. 2. Cancel this MSG 280730 UTC Feb 25.</p>
<p>112. India West Coast - Off Porbandar. Charts IN 21 252 INT 7325. Firing by CG aircraft scheduled 06, 07, 13, 14, 20, 21, 27 and 28 Feb 25 from 0330 to 0830 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 280930 UTC Feb 25.</p>
<p>113. India West Coast - Off Mumbai. Charts IN 21 255 292 INT 7021. DB SAVITRI III, OSV ADWITA, MT SUMATI, MT RAAJ and DB AKASH IV will carry out cable laying activities from 04 Feb to 07 Mar 25 along 19-07.62N 072-48.98E, 19-02.44N 072-41.21E, 18-59.05N 072-39.62E, 18-57.39N 072-34.07E, 18-41.34N 071-52.60E, 18-20.86N 070-33.37E. Wide berth requested. 2. Cancel this MSG 071830 UTC Mar 25.</p>
<p>114. India East Coast - Off Kakinada. Charts IN 31 355 391 INT 7405. Coastal TRIUMPH progressing geotechnical survey in area bounded by 16-36.83N 082-24.50E, 16-28.50N 082-33.83E, 16-21N 082-24.50E, 16-28.50N 082-13.83E. Wide berth of 02 nm requested. 2. Cancel this MSG 151830 UTC Mar 25.</p>
<p>115. India West Coast – Off Mumbai. Charts IN 21 255 292 INT 7021. CS ETISALAT progressing cable repairs in areas bounded by (A) 18-57.34N 071-49.42E, 18-57.69N 072-00.86E, 18-56.59N 072-00.86E, 18-56.25N 071-49.43E (B) 18-57.71N 071-37.26E, 18-58.01N 071-41.08E, 18-58.54N 071-45.79E, 18-58.42N 071-50.41E, 18-58.21N 071-51.36E, 18-58.21N 071-54.37E, 18-57.11N 071-54.36E, 18-57.11N 071-51.38E, 18-57.32N 071-50.41E, 18-57.47N 071-45.79E, 18-56.93N 071-41.09E, 18-56.64N 071-37.26E. Wide berth of 01 nm requested. 2. Cancel this MSG 191830 UTC Feb 25.</p>
<p>116. Lakshadweep Sea - Minicoy I. Charts IN 22 273 2006 INT 752. DGPS (08-16.16N 073-01.57E) transmission will be switched off from 040030 to 041230 UTC Feb 25 for maintenance. 2. Cancel this MSG 041230 UTC Feb 25.</p>
<p>117. Indian ocean. Charts IN 7071 7707 INT 707. Abandoned Sri Lankan fishing vessel Welakkanni Matha03 reported adrift in approximate position 06-54S 082-06E at 040300 UTC Feb 25. Mariners to keep sharp lookout. 2. Cancel this MSG 070300 UTC Feb 25.</p>
<p>118. ARABIAN SEA. Charts IN 7071 7703 INT 703. Partially submerged object reported adrift in approximate position 08-55.11N 068-51.66E. Mariners to keep sharp lookout.</p>

2.	Cancel this MSG 071830 UTC Feb 25.
119.	Cancel NAVAREA VIII MSG 455/23, 465/24, 499/24, 1095/24, 1103/24, 077/25, 110/25 and this MSG. INTM 043(T) of 03/25 refers.
120.	India West Coast - Off Mumbai. Charts IN 21 255 292 INT 7021. CS recorder progressing cable laying operations in areas bounded by (a) 18-56.42N 072-25.67E, 18-56.40N 072-29.36E, 19-02.73N 072-29.22E, 19-02.69N 072-25.67E (b) 18-54.50N 072-18.66E, 18-54.71N 072-22.39E, 18-51.24N 072-22.82E, 18-51.02N 072-18.86E. Wide berth of 1 nm requested.
2.	Cancel this MSG 101830 UTC Feb 25.
121.	India west coast. Charts IN 21 255 292 INT 7334. Rig move. ABAN III (18-54.75N 071-49.57E). INTM 043(T) of 03/25 refers. Wide berth requested.
122.	India West Coast - Off Mumbai. Charts IN 21 255 292 INT 7021. AHTS Iron tug, barge Leighton eclipse and tug Shakti will carry out offshore installation works at various locations in area bounded within 19-15N to 19-38N and 071-11.50E to 071-25E from 07 Feb to 31 Mar 25. Wide berth requested
2.	Cancel this MSG 311830 UTC Mar 25.
123.	India East Coast - Off Nagapattinam. Charts IN 32 262 357 INT 754. Kalimman Thunai progressing survey in areas bounded by (a) 08-32.50N 078-07.58E, 08-31.07N 078-07.43E, 08-29.80N 078-07.82E, 08-29.83N 078-10.02E, 08-35.30N 078-10.23E, 08-35.31N 078-08.37E, 08-33.39N 078-07.98E (b) 10-43.94N 079-51.23E, 10-43.74N 080-07.65E, 10-50.81N 080-07.43E, 10-50.69N 079-51.20E. Wide berth of 02 nm requested.
2.	Cancel this MSG 151830 UTC Feb 25.
124.	India West Coast. Charts IN 21 255 292 INT 7334. Rig move. Sagar Ratna (19-30.17N 071-16.06E), key Singapore (18-32.30N 072-15.44E), FG McClintock (18-08.15N 072-25.28E). INTM 043(t) of 03/25 refers. Wide berth requested.
125.	Lakshadweep sea - off Kavaratti i. Charts IN 22 268 273 INT 7353. Firing scheduled from 070130 to 070730 UTC Feb 25 in danger area bounded within 10-15N to 10-30N and 072-40E to 072-55E. Wide berth from area advised
2.	Cancel this MSG 070830 UTC Feb 25
126.	Lakshadweep Sea - Minicoy i. Charts IN 22 273 2006 INT 752. Firing scheduled from 070130 to 070900 UTC Feb 25 in danger area bounded by 08-15.36N 073-04.50E, 08-14.89N 073-03.32E, 08-16.53N 073-03.30E, 08-16.57N 073-03.43E. Wide berth from area advised
2.	Cancel this MSG 071000 UTC Feb 25.
127.	India East Coast - Off Chennai. Charts IN 32 357 INT 754. CS responder will carry out cable laying operations from 07 Feb to 04 Mar 25 along line joining 13-01.46N 080-16.72E, 12-59.54N 080-25.15E, 12-46.95N 080-27.89E, 12-32.42n 080-36.85E, 12-23.56N 080-42.95E, 11-26.14N 081-03.63E, 11-19.71n 081-20.26E, 10-53.31N 081-32.08E. Wide berth of 02 nm requested.
2.	Cancel this MSG 041830 UTC Mar 25.
128.	Bay Of Bengal. Charts in 33 7706 INT 706. Subsurface firing scheduled from 071200 to 171800 UTC Feb 25 in danger area bounded by 08-38N 084-47E, 10-22N 090-05E, 13-04N 089-32E, 11-29N 083-04E. Wide berth from area advised.
2.	Cancel this MSG 171900 UTC Feb 25.
129.	Andaman Sea - Off Port Blair. Charts IN 41 404 473 4016 INT 7031. Firing scheduled 10, 11, 17, 18 and 24 Feb 25 from 1230 UTC extending upto 0030 UTC on next day in danger area bounded by 11-40.23N 092-45.75E, 11-37.33N 092-47.93E, 11-40.30N 092-50.00E, 11-40.77N 092-45.97E . Wide berth from area advised.
2.	Cancel this MSG 250130 UTC Feb 25.
130.	India East Coast - Off Balasore. Charts IN 31 351 INT 741. IAF exercise scheduled 11 to 14 Feb, 17 to 21 Feb and 24 Feb 25 from 0400 to 0630 UTC and 0830 to 1030 UTC in danger area bounded by 21-27.40N 087-01.80E, 21-30.86N 087-12.39E, 21-39.44N 087-43.87E, 21-30.60N 087-44.70E, 21-17.81N 087-28.33E, 21-12.35N 087-36.79E, 21-02.93N 087-35.79E, 20-50.04N 087-23.45E, 20-45.41N 087-15.82E, 21-02.81N 086-50.81E, 21-16.02N 086-50.51E . Wide berth from area advised
2.	Cancel this MSG 241130 UTC Feb 25.
131.	India East Coast - Off Sagar I. Charts IN 31 351 INT 7419. Firing by CG aircraft scheduled from 110430 to 111030 UTC Feb 25 in danger area bounded within 20-37N TO 20-52N and 088-30E TO 089-00E. Wide berth from area advised.
2.	Cancel this MSG 111130 UTC Feb 25.
132.	India West Coast - Off Mangalore. Charts IN 22 217 2359 INT 7350. Hydrographic survey will be carried out from 10 to 12 Feb 25 in areas bounded by (a) 12-54.50N 074-43.10E, 12-59.30N 074-42.40E, 12-59.40N 074-21.00E (b) 12-54.50N 074-43.10E, 12-49.68N 074-44.72E, 12-43.00N 074-26.00E (c) Along line joining 12-55.67N 074-48.80E, 12-54.50N 074-43.10E . Wide berth requested.
2.	Cancel this MSG 121830 UTC Feb 25.
133.	NAVAREA VIII - WARNINGS IN FORCE AS ON 07 FEB 2025
	2023 SERIES - 161 386 484 574 703 733 748 750 929 1046 1057
	2024 SERIES - 180 188 215 317 481 539 550 551 584 600 604 640 669 691 707 709 791 817 831 843 901 931 947 958 974 1036 1063 1067 1080 1085 1089 1111 1113 1118
	2025 SERIES - 003 015 024 028 029 034 035 037 038 043 044 045 046 047 048 055 060 062 063

066 067 068 073 079 080 089 091 093 094 095 096 097 099 100 102 103 104 105 106 108 109 111 112 113 114 115 118 120 121 122 123 124 127 128 129 130 131 132 (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 141000 UTC Feb 25
134. Bay Of Bengal. Charts IN 7071 7706 INT 70. Subsurface firing scheduled from 081200 to 181800 UTC Feb 25 in danger area bounded by 16-06N 088-42E, 12-46N 088-34E, 12-33N 090-31E, 16-11N 090-42E. 2. Cancel this MSG 181900 UTC Feb 25
135. Bay Of Bengal - Off Balasore. Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 13 to 15 Feb 25 and 17 to 22 Feb 25 from 0430 to 0630 UTC and 0900 to 1100 UTC in danger area bounded by 21-14.92N 086-48.63E, 19-45.78N 087-48.07E, 21-02.72N 088-52.75E, 21-28.55N 087-59.30E, 21-35.58N 087-10.70E . Wide berth from area advised 2. Cancel this MSG 221200 UTC Feb 25
136. Andaman Sea - Off Port Blair. Charts IN 33 41 473 INT 7031. Firing scheduled from 130915 to 131300 UTC Feb 25 in danger area Bounded By 11-39.7N 092-46.3E, 11-40.6N 092-47E, 11-38.7N 092-53.1E, 11-32.9N 092-48.3E. Wide Berth From Area Advised 2. Cancel this MSG 131400 UTC Feb 25
137. India West Coast - Off Mumbai. Charts IN 21 255 292 INT 7021 (.) CS RECORDER will carry out cable laying operations from 11 Feb to 02 Mar 25 in areas bounded by (A) 18-47.76N 072-05.94E, 18-50.79N 072-11.44E, 18-54.00N 072-10.04E, 18-50.70N 072-03.96E (B) 18-47.87N 071-59.52E, 18-44.90N 072-01.45E, 18-39.18N 071-49.65E, 18-42.47N 071-48.42E (C) 18-23.52N 070-54.99E, 18-20.24N 070-56.24E, 18-18.78N 070-51.00E, 18-22.15N 070-49.97E. Wide Berth Of 01 Nm Requested. 2. Cancel This MSG 021830 UTC Mar 25.
138. India West Coast - Gulf Of Kachchh. Charts IN 21 203 2068 INT 7319. Kachchh Buoy (22-38.04N 069-12.74E) retrieved for maintenance. 2. Cancel NAVAREA VIII MSG 931/24.
139. Cancel NAVAREA VIII MSG 551/24 and this MSG.
140. India East Coast - OFF Balasore. Charts IN 31 351 7706 INT 706. Experimental flight trials scheduled 13 to 15 Feb and 17 to 22 Feb 25 from 0630 to 0900 UTC in danger area bounded by (A) 20-57N 086-54E (B) 21-13N 087-23E (C) 21-31N 087-42E (D) 21-41N 087-45E. Danger area extending up to coastline joining point A and D. Wide berth from area advised. 2. Cancel this MSG 221000 UTC Feb 25.
141. India West Coast - OFF Daman. Charts IN 209 254 292 INT 7331. Firing by CG AIRCRAFT scheduled 13 and 19 Feb 25 from 0230 to 1130 UTC in danger area bounded within 20-26N TO 20-40N AND 072-27E TO 072-40E. Wide berth from area advised. 2. Cancel this MSG 191230 UTC Feb 25.
142. India West Coast - Gulf Of Kachchh. Charts IN 21 203 2068 INT 7319. North Cardinal Buoy (22-34.10N 069-18.35E) retrieved for maintenance. 2. Cancel NAVAREA VIII MSG 831/24.
143. India West Coast - Gulf Of Kachchh. Charts IN 203 2027 2083 INT 7339. PIROTAN I LT (22-37.23N 069-58.28E) unlit.
144. India West Coast - Off Kollam. Charts IN 22 7706 INT 752. Firing scheduled 15 and 16 Feb 25 from 0430 to 1130 UTC IN danger area bounded within 08-30N TO 08-45N AND 075-15E TO 075-30E. Wide berth from area advised. 2. Cancel this MSG 161230 UTC Feb 25.
145. India West Coast - Off Dabhol. Charts IN 21 256 293 INT 7340. Firing scheduled from 151130 to 151430 UTC Feb 25 in danger area bounded within 17-32N to 17-50N and 072-06E TO 072-26E. Wide berth from area advised. 2. Cancel this MSG 151530 UTC Feb 25.
146. India West Coast - Off Mumbai. Charts IN 21 255 292 INT 7021. Seamec Glorious will carry out installation works from 15 Feb to 15 May 25 in vicinity of 19-31.69N 071-18.24E, 19-08.67N 072-07E, 19-12.76N 072-06.78E, 19-12.83N 072-06.73E, 18-42.49N 072-20.37E, 18-42.52N 072-20.43E, 18-34.92N 072-06.73E. Wide berth requested. 2. Cancel this MSG 151830 UTC May 25.
147. India East Coast - Off Kanyakumari and Mandapam. Charts IN 32 223 317 INT 754. Kalimman Thunai will carry out survey from 16 to 28 Feb 25 in areas bounded by (A) 08-13.05N 077-10.96E, 08-04.66N 077-33.02E, 08-02.54N 077-33.15E, 08-02.93N 077-22.95E, 08-09.36N 077-09.10E (B) 09-21.24N 078-59.38E, 09-19.53N 079-01.59E, 09-21.38N 079-03.26E, 09-25.18N 078-58.88E, 09-23.61N 078-57.09E, 09-21.24N 078-59.38E. Wide berth of 02 NM requested. 2. Cancel this MSG 281830 UTC Feb 25.
148. India West Coast - Mumbai to Hazira. Charts IN 21 254 255 292 INT 7021. Samudra Sarvekshak progressing survey in vicinity of 19-17.71N 071-24.34E, 19-25.66N 071-16.15E, 19-37.84N 071-17.77E, 20-56.25N 072-34.27E, 19-15.69N 071-21.08E, 21-03.51N 072-24.44E, 18-36.94N 071-01.48E, 19-36.51N 071-18.86E. Wide berth requested.

2. Cancel this MSG 101830 UTC Mar 25.
149. India West Coast. Charts IN 21 255 292 INT 7334. RIG move. CE THORNTON (19-22.50N 071-20.74E). INTM 043(T) OF 03/25 refers. Wide berth requested.
150. India West Coast - Karwar Port. Charts IN 22 215 216 2008 2120 2353 INT 7343. Hydrographic survey will be carried out from 14 Feb to 31 May 25 in area bounded within 14-47.20N to 14-50.90N and 074-02.80E to 074-08.15E. Wide berth requested. 2. Cancel this MSG 311830 UTC May 25.
151. India East Coast - Off Machilipatnam. Charts IN 31 355 INT 7405. Atlantic Guardian progressing survey in area bounded by 16-04.35N 082-30.02E, 16-04.26N 082-42.00E, 16-12.99N 082-42.08E, 16-12.97N 082-47.06E, 16-16.89N 082-47.09E, 16-16.96N 082-37.34E, 16-15.51N 082-37.33E, 16-15.57N 082-30.06E, 16-10N 082-30E, 16-10N 082-23E, 16-05N 082-23E, 16-05N 082-08E, 16-00N 082-08E, 16-00N 082-07E, 15-31N 082-07E, 15-31N 082-18E, 15-30N 082-18E, 15-30N 082-30E. Wide berth of 02NM requested. 2. Cancel this MSG 311830 UTC Mar 25.
152. India West Coast - Off Mumbai. Charts IN 21 255 292 INT 7021. AWB Sea Patriot and AHT sea venture will carry out installation activities from 16 to 28 Feb 25 in vicinity of 19-34.40N 071-21.86E. Wide berth requested. 2. Cancel this MSG 281830 UTC Feb 25.
153. India West Coast - Off Daman. Charts IN 21 207 254 INT 7331. LTS 3000, Britoil 71 and Vallianz Steadfast will carry out subsea and topside removal works from 16 to 28 Feb 25 in vicinity of 20-36.05N 072-02.17E, 20-36.01N 072-02.16E, 20-36.02N 072-02.23E, 20-44.77N 071-55.57E, 20-32.77N 071-58.47E, 20-37.74N 072-04.06E, 20-34.58N 072-00.14E. Wide berth requested. 2. Cancel this MSG 281830 UTC Feb 25.
154. India West Coast. Charts IN 21 255 292 INT 7334. RIG MOVE. GREAT DRILL CHAAYA (19-01.91N 072-07.29E) demobilized.
155. India West Coast - Off Trivandrum. Charts IN 22 222 260 261 INT 752. Rocket launch from thumba (08-31.98N 076-52.05E) scheduled from 190530 to 190700 UTC Feb 25. Danger sector from launcher (A) radius of 05 NM between azimuth 190 and 300 (B) between radii of 45 NM and 75 NM and azimuth 220 AND 260. Wide berth from area advised. 2. Cancel this MSG 190800 UTC Feb 25.
156. India East Coast - Off Chennai. Charts IN 32 356 391 INT 7400. Firing by CG Aircraft scheduled from 170130 to 171130 UTC Feb 25 in danger area bounded within 12-49N to 12-59N and 080-46E TO 081-26E. Wide berth from area advised. 2. Cancel this MSG 171230 UTC Feb 25.
157. India West Coast - Veraval. Charts IN 206 252 INT 7325. NAVTEX (20-54.68N 070-21.19E) transmission will be switched off from 170130 to 191230 UTC Feb 25 for maintenance. 2. Cancel this MSG 191230 UTC Feb 25.
158. NAVAREA VIII - WARNINGS IN FORCE AS ON 14 FEB 2025 2023 SERIES - 161 386 484 574 703 733 748 750 929 1046 1057 2024 SERIES - 180 188 215 317 481 539 550 584 600 604 640 669 691 707 709 791 817 843 901 947 958 974 1036 1063 1067 1080 1085 1089 1111 1113 1118 2025 SERIES - 003 015 024 028 029 034 035 038 044 045 046 047 048 055 062 063 066 067 068 073 079 080 089 091 093 094 095 096 097 099 100 103 104 105 106 108 109 111 112 113 114 115 121 122 123 124 127 128 129 130 134 135 137 138 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 (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 211000 UTC Feb 25.

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
D6378	CAPE AGULHAS TO CAPE ST FRANCIS. MOSSEL BAY - Cape St Blaize	34 11.17 S 22 09.39 E	Fl(2)W 15s	72	25	White 4-sided masonry tower 14	W110°-052° (302°). Obscured within 0.5M of Cape
	--	..	Horn Mo(F) 60s	..	..	..	Sounded when fog is sighted/detected *
D6383.3	- Knysna. Ldg Lts 186°. Rear	34 04.04 S 23 02.60 E	Fl W 2s	..	1	White post	fl 0.5 *
D6411.5	- Ngqura Harbour. E Breakwater	33 47.79 S 25 41.69 E	Iso G 2s	2	..	Metal structure	fl 1 *
D6411.51	- Ngqura Harbour. W Breakwater	33 47.84 S 25 41.64 E	Iso G 2s	2	..	Metal structure	fl 1 *
D6475.2	- Small Craft Basin. W Head	29 51.84 S 31 01.74 E	Fl(2)R 5s	11	7	Metal post	fl 0.5, ec 0.7, fl 0.5, ec 3.3 *
D6475.3	- Small Craft Basin. E Head	29 51.81 S 31 01.77 E	Fl(2)G 5s	11	7	Metal post	fl 0.5, ec 0.7, fl 0.5, ec 3.3 *
D6475.4	- Small Craft Basin. N Side	29 51.79 S 31 01.75 E	Iso G 2s	11	7	Metal post	.. *
D7315-38	- Al Qibliyah	17 29.74 N 56 20.48 E	Fl W 10s	95	20	GRP tower, red and white bands 10	Range 11M (T) 2024
	--	..	AIS	..	..	..	MMSI No 994611001 *
F0830	GALLE HARBOUR - Galle Point. Utrecht Bastion	06 01.48 N 80 13.16 E	Fl(2)W 15s	28	25	White round tower on fort 27	fl 0.3, ec 2.7, fl 0.3, ec 11.7 *
F0831.5	- Dir Lt 002°	06 02.21 N 80 13.48 E	Dir WRG 2s	..	7	White tower 15	Iso G355°-000°(5°). Iso W000°-004°(4°). Iso R004°-009°(5°) *
F0833	- N Breakwater. Head	06 02.03 N 80 13.68 E	Iso R	..	..	..	.. *
F0833.5	- S Breakwater. Head	06 01.92 N 80 13.61 E	Iso G	..	..	..	.. *
F1164	Ko Chi (Satok)	09 28.63 N 97 54.24 E	Fl W 10s	114	10	White metal framework tower 15	fl 1 *
F1558-5	- Pulau Katak	04 09.34 N 100 37.13 E	Fl WRG 14s	35	..	White Δ, black stripe, on white brick tower 11	TE; replaced by Q W (T) 2024 *

F1685-03	- Tuas Channel. Tuas	1 16.96 N 103 39.35 E	Fl R 5s	6	3	Red □ on red articulated beacon *	TE; replaced by light buoy Fl R 5s in situ (T) 2025 *
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8.1

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2024

(Last correction: Edition No. 01 dated 01 Jan 2025)

NIL

INP 31(2), 2024

(Last correction: INP 31(2), 2019, Edition No. 19 dated 01 Oct 2024)

NIL

INP 31(5), 2021

(Last correction: Edition No. 01 dated 01 Jan 2025)

NIL

INP 31(6), 2023

(Last correction: Edition No. 02 dated 16 Jan 2025)

NIL

SECTION – IX
CORRECTIONS TO MISCELLANEOUS NAUTICAL PUBLICATIONS

NIL

SECTION – X

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@nic.in, inho-navy@nic.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 recognized 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.

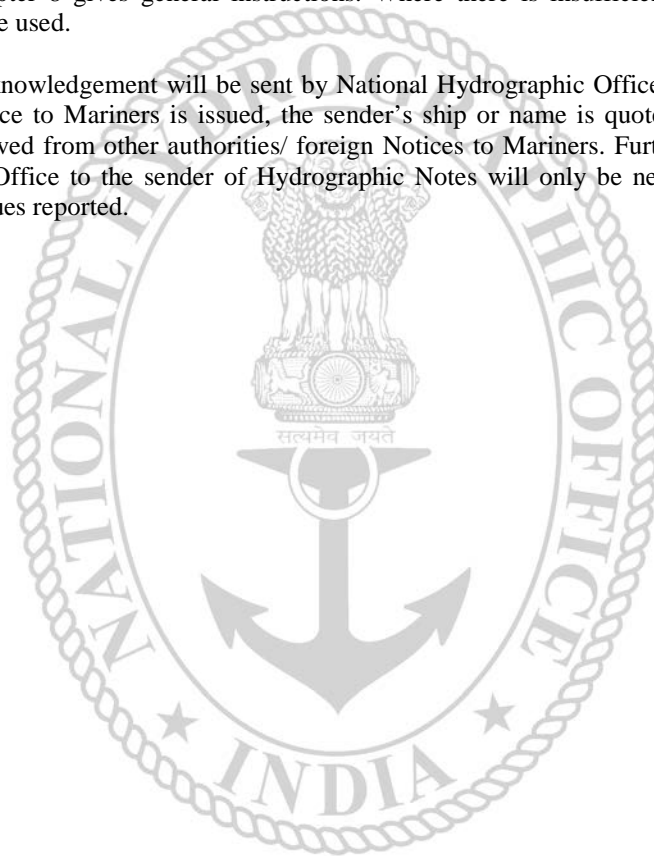
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

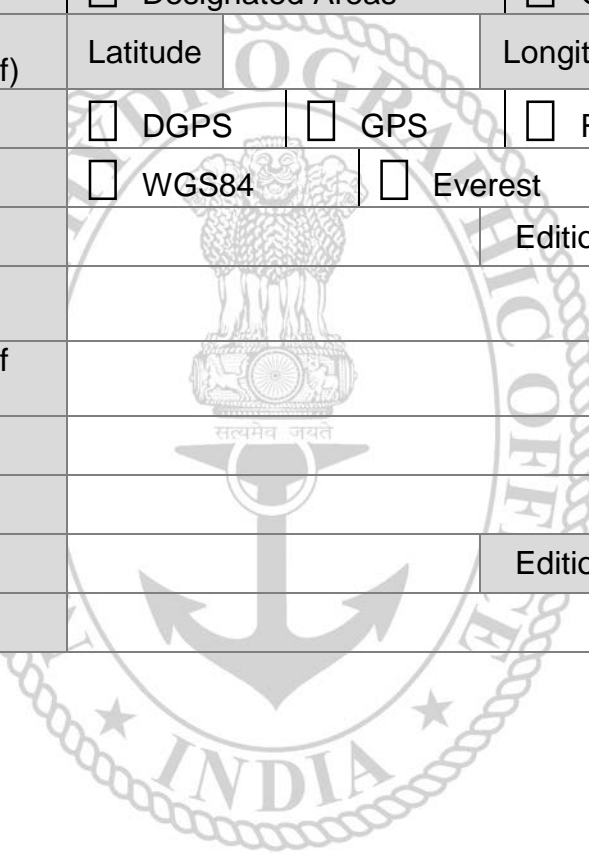
8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

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.102-A (Revised 2024)	
Date		D	D	M	M	Y	Y	Y	Y	Ref. No.	
Name of the Ship, Port or Sender											
Mailing Address		Office Name									
		Flat/ Room No.									
		Building									
		Street									
		Landmark/ Locality									
		City									
		State									
		Country									
ZIP/ Pin Code											
Contact Details (with ISD country code)		Tel:	+								
		Fax:	+								
		Mobile:	+								
Email id											
<p>Explanatory Notes for filling up the IH.102-A (Revised 2024)</p> <ol style="list-style-type: none"> 1. All positional details be referred to WGS 84 in Latitude and Longitude, example: DD° MM' SS".SS (N/S), DDD° MM' SS".SS (E/W). 2. All time details to be in format him. 3. Clearly state the Time Zone adopted for field observations/ recording of data. Examples:- 00:00, UTC, GMT or +05:30 (IST) or ±hh:mm (LMT/ National Time Zone). 4. Where applicable relevant data files may be shared in .txt, .pdf, .csv, files in the prescribed format. 5. The photographs being forwarded be duly annotated, highlighting the object/ features to be referred for charting purpose and disseminating information to mariner as part of Sailing Directions. 6. All diagrams are to be prepared with relevant Chart/ ENC in background where available. 7. Where relevant, the diagrams, pictorial representation being forwarded are to be prepared with latest geo referenced satellite image in the background, appending the details, highlighting the information with adequate annotations for ready reference as visual representation. 											



HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)	IH.102-A (Revised 2024)
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1. NAME OF PORT			
Port Location (WGS 84)	Latitude	DD° MM' SS".SS (N/S)	
	Longitude	DDD° MM' SS".SS (E/W)	
2. GENERAL REMARKS			
(a) Principal activities and trade			
(b) Number of ships and tonnage handled per year			
(c) Copy of Port handbook (if available)			
3. ARRIVAL INFORMATION			
(a) Notice of ETA required	At least ____ hours, prior to ETA, followed by ____ hours; confirmation or amendment must be made not less than ____ hours prior to arrival)		
(b) Port Radio VHF channel	Vessels arriving must establish VHF contact to Harbour Control on VHF channel _____, _____ hours before vessel arrival to pilot boarding ground.		
4. ANCHORAGES			
(a) Type/ Purpose (Describe Category of anchorage: Unrestricted anchorage, deep water anchorage, tanker anchorage, or any other specific category and limits for each separately.			
(b) Recommended Anchorage Area Limits	Limit	Position in WGS 84	
		Lat (N/S)	Long (E/W)
	A	DD°MM'SS".SSS	DDD°MM'SS".SSS
	B	DD°MM'SS".SSS	DDD°MM'SS".SSS
	C	DD°MM'SS".SSS	DDD°MM'SS".SSS
	D	DD°MM'SS".SSS	DDD°MM'SS".SSS
	Positions of all nodes of the polygon with diagrammatic representation on background of relevant Chart/ ENC.		
(c) Minimum depth at anchorage in Meters and Decimeters (mm.mm) and Max LOA with draught allowed for anchoring	Minimum depth in anchorage area (m)	Max LOA allowed for anchoring (m)	Max Draught allowed for anchoring (m)
(d) A brief (if any) on Shelter afforded, Holding ground, recommended pilotage to the anchorage			
(e) Restrictions: anchoring prohibited, trawling prohibited, entry prohibited, discharging prohibited, and, or any other specific category Information, provide details for each separately	Limit	Position in WGS 84	
		Lat (N/S)	Long (E/W)
	A	DD°MM'SS".SSS	DDD°MM'SS".SSS
	B	DD°MM'SS".SSS	DDD°MM'SS".SSS
	C	DD°MM'SS".SSS	DDD°MM'SS".SSS
	D	DD°MM'SS".SSS	DDD°MM'SS".SSS
	Positions of all nodes of the polygon with diagrammatic representation on background of relevant Chart/ ENC.		

5. PILOTAGE						
(a) State the Authority, to whom the request for Pilotage to be addressed (email id, telephone and Fax number).						
(b) Provide brief on Category of Pilot Boarding place: boarding by pilot-cruising vessel, boarding by helicopter, pilot comes out from shore.						
(c) Provide Pilot Boarding position in WGS 84,	Position	Lat (N/S)		Long (E/W)		
	A	DD°MM'SS".SSS		DDD°MM'SS".SSS		
	B	DD°MM'SS".SSS		DDD°MM'SS".SSS		
(d) Provide details of Pilot Boat and attach photographs	Pilot Boat Name	Pilot Boat Colour and LOA		Pilot Boat VHF Channel		
(e) Regulations						
(f) List of Documents to be provided by ships/ mariners calling the port						
(g) Recommended pilotage to approach of Harbour.						
(h) Information on VTMS						
6. DIRECTIONS						
(a) Entry and Berthing Information						
(b) Height of Tides (m.mm) during Springs (if available)	MHWS/ MHHW			MLWS/ MLLW		
(c) Seasonal Tidal Stream Information (if available)	Flood Rate (maximum)			Direction (Azimuth)		
				DDD°		
	Ebb Rate (maximum)			Direction (Azimuth)		
				DDD°		
(d) Seasonal Wind Speed and Direction	Month	Wind Speed (Knots)	Direction/ Azimuth	Month	Wind Speed (Knots)	Direction/ Azimuth
	Jan		DDD°	Jul		DDD°
	Feb		DDD°	Aug		DDD°
7. POLLUTION CONTROL						
(a) Compliance with MARPOL regulations, give details						
(b) Local regulation in force (If Any)						
8. TUGS						
(a) Number available / Tug type (Provide photographs and details such as registration number, call signs as an attachment to this document).	<u>Ser.</u>	<u>Tug Name</u>	<u>Tug Type</u>	<u>Max HP / Bollard pull</u>	<u>VHF Channel</u>	
(b) State the Authority, to whom the request for Tugs is to be addressed to along with email id, telephone number and FAX number as applicable.						
(c) Availability timings						
9. BERTHING AND WHARVES						
(a) Type & Number of berths available. Provide diagrammatic representation on background of relevant Chart/ ENC/CAD diagram if available	<u>Ser.</u>	<u>Berth Name/ Number</u>	<u>Length (m)</u>	<u>Lay (Azimuth) (DDD°-DDD°)</u>	<u>Least Depth Alongside (mm.mm)</u>	<u>Facilities available</u>

(b) State the Authority, to whom the request for Berthing is to be addressed to including telephone number, email id, FAX number as applicable, prior notice required for berthing and procedure for requesting berth with hiring charges							
10. CARGO HANDLING							
(a) Containers							
(b) Lighters & Ro-Ro etc.							
11. CRANES							
*[Provide details of Category of Crane: container crane/gantry, Sheerlegs, travelling crane, A-frame Colour pattern: horizontal stripes, vertical stripes, diagonal stripes, Squared, stripes, border stripe for each separately]. Where applicable attach diagrammatic representation on relevant Chart/ ENC and also forward photographs with annotation.							
(a) Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	<u>Ser.</u>	<u>Crane Location on Berth/ Wharf</u>	<u>*Category of Crane</u>	<u>Max Lifting Capacity</u>	<u>Height of Boom at Berth/ wharf level</u>	<u>Outreach</u>	
(b) Provide Container handling facilities							
(c) State the Authority, to whom the request for Cranes is to be addressed to with contact information including email, Telephone and FAX numbers as applicable and Procedure							
12. BRIDGES							
*[Category of Bridge: fixed bridge, opening bridge, swing bridge, lifting bridge, bascule bridge, pontoon bridge, draw bridge, transporter bridge, foot bridge, viaduct, aqueduct, suspension bridge : Colour pattern: horizontal stripes, vertical stripes, diagonal stripes, Squared, stripes (direction unknown) . Vertical Clearance: from MHHW/MHWS							
Vertical clearance (Provide diagrammatic representation of Bridges on background of relevant Chart/ ENC, with Start and End of Positions of Bridges, duly annotated with names as an attachment)	<u>Ser.</u>	<u>Bridge Name</u>	<u>*Category of Bridge</u>	<u>Bridge Lay (Azimuth) (DDD°-DDD°)</u>	<u>Bridge Length (m)</u>	<u>Vertical Clearance (m)</u>	<u>Min and Max depths below Bridge</u>
13. REPAIR FACILITIES – describe facilities available with all relevant information							
(a) Hull machinery and underwater							
(b) Ship and Boat yards							
(c) Docking or Slipway facilities (Size/ Dimensions of vessels handled/ tonnage)							
(d) Hards and Ramps							
(e) Divers/ Diving assistance							
14. SERVICES							
(a) Radio / FAX / Telephone / Internet etc.							
(b) Medical							
(c) Quarantine							
(d) Consul							
(e) Ship chandlery and Stevedores							
(f) Compass adjustment							
(g) Tank cleaning							
(h) Hull painting							

(i) Nearest Police Station	Address	
	Telephone No.	
(j) Nearest Hospital	Address	
	Telephone No.	
	Details of Health Care and Lab Services	
(k) Ambulance	Telephone No.	
(l) Firefighting (Fixed and Mobile facilities) with telephone numbers		
(m) Nav. Warning and Weather bulletin		
(n) Garbage disposal / Waste oil disposal		
(o) Helicopter landing facilities. If available provide position details of Helipad with a diagrammatic representation on relevant Chart/ ENC		
15. RESCUE & DISTRESS		
Salvage, Lifeboat, Life guards, etc		
16. SUPPLIES		
(a) Fuel (Type, Quantities & Method of delivery)		
(b) Fresh water (Method of delivery and Rate of supply)		
(c) Provisions		
(d) Chart agents		
17. COMMUNICATIONS		
(a) Road, Rail and Air services available		
(b) Nearest airport or airfield		
(c) Port Radio and Information Service (Frequencies and Operating Hours)		
18. SECURITY		
(a) Security of ports / International Ship and Port Facility Security (ISPS) compliance		
(b) Custom and Immigration Regulations in force		
19. SMALL CRAFT FACILITIES		
(a) Information and facilities for small craft, yachts visiting the port		
(b) Yacht clubs, berths etc		
20. SHORT LEAVE		
21. CLUBS RECREATION		
(a) Information Kiosk (Location)		
(b) Foreign Exchange firms / Banks (within / near Port Area)		
(c) Places of interest near port		
22. VIEWS		
Annotated Photographs of the approaches, leading marks, the entrance to the harbour etc in soft copy if available.		
23. BATHYMETRY DATA (IF PROVIDED)		
(a) To be forwarded in 'XYZ/ASCII' format (#, *) with time stamp (&)	& - Time Stamp	hh:mm:ss
	# - Position WGS 84 Latitude, Longitude	DD°MM'SS".SSS N, DDD°MM'SS".SSS E
	* - Depth (Metres and decimeters)	mm.mm

&, #, *	Example of data string (hh:mm:ss, DD° MM' SS".SSS N, DDD° MM' SS".SSS E, mm.m)			
	Digital data file to be forwarded separately.			
(b) Time zone	+(hh:mm)			
(c) Sounding Accuracy (\pm m.mm) achieved if ascertained				
(d) Latest survey data being forwarded to include the following				
(i) Limits of surveyed area	Limit Point	Position in WGS 84		
		Lat (N/S)	Long (E/W)	
	A	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	B	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	C	DD°MM'SS".SSS	DDD°MM'SS".SSS	
D	DD°MM'SS".SSS	DDD°MM'SS".SSS		
Positions of all nodes of the surveyed area polygon. A diagrammatic representation with relevant Chart/ ENC/ Satellite image to be forwarded along with survey data				
(ii) Scale of survey (Resolution)				
(iii) Details of positioning equipment and update rate of positioning data (DGPS/ RTK), min and max positional outages (\pm m.mmm) observed during survey and provide a scatter plot)	Positioning System (GPS/ DGPS/ RTK)	Make/ Model of equipment	Position update rate	Maximum Outages in time/ distance if any
(iv) Details of sounding equipment (Multibeam/ Singlebeam) Frequency used for sounding	Make Model of Echosounder	Frequency Used (hz)	Depth update rate	Any filters/ gates applied
(v) Details of certified Hydrographic Surveyors employed	Ser.	Name	Designation	Hydrographic Certification
(vi) Provide diagrammatic representation with relevant Chart/ ENC/ CAD diagram if available in background with positional details earmarking the following:-				
(aa) Limits of Turning Circles	Position of Centre of Circle		Radius of Circle in metres	
	DD°MM'SS".SSS N/S, DDD°MM'SS".SSS E/W			
(ab) Dimensions, length and direction of approach Channels	Channel	Azimuth/ Lay	Width of the Channel (m)	Length (Nm)
	A	DDD°- DDD°		
	B	DDD°- DDD°		
	C	DDD°- DDD°		
(ac) Designation of channels, Channel 'A' and 'B' (Primary/ alternate or multiple)				
(ad) Dredged area with depths achieved in the designated Channels	Channel	Dredged Depth/ Minimum Depth Maintained at all times (mm.mm)	Limits of Channel Positions in WGS 84	Dredged Date
	A		From	DD-MMM-YYYY

			DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W To DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W	
	B		From DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W To DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W	DD-MMM-YYYY
(ae) Self explaining annotations and legend as applicable	Diagrammatic representation of layout on relevant Chart/ ENC/ satellite/CADE image background if available			
24. HORIZONTAL CONTROL				
Geodetic Control Stations established by Survey of India in Port Premises.	Details of Horizontal Control - Reference Station			
	(a) Name of ITRF/ GCP/ Reference Station with Authority letter if available			
	(b) Description of the Reference Station along with photograph if available			
	(c) Position in WGS 84 datum if available	Latitude	DD° MM' SS".SSS (N/S)	
		Longitude	DDD° MM' SS".SSS (E/W)	
Ellipsoidal Ht		mm.mmm (metres)		
25. VERTICAL CONTROL				
Benchmark/ Local Bench Mark established by Survey of India in Port Premises	Details Required		Data, Description and Remarks	
	(a) Name and description of Benchmark along with authority			
	(b) Photographs in soft copy if available			
	(e) Position in WGS 84 Datum			
	Latitude		DD° MM' SS".SSS (N/S)	
	Longitude		DDD° MM' SS".SSS (E/W)	
	Ellipsoidal Ht		mm.mmm (metres)	
(d) Height of Bench Mark above Sounding/ Chart Datum mm.mmm (value in meters)				
26. TIDE GAUGE				
Pertains to tide gauge employed for tide observation. The details to be included area as follows:-	Details of Tide Gauge			
	Details Required		Data, Description and Remarks	
	(a) Type of Tide gauge used for observations			
	(i) Manual Tide Gauge Type(Flat/ Round Tide Pole)/ATG			
	(ii) Position of Tide Gauge		Latitude DD° MM' SS".SSS (N/S)	
			Longitude DDD° MM' SS".SSS (E/W)	
	(iii) Resolution of Tide Gauge			
	(iv) Level of Zero of Tide gauge with respect to Benchmark			
	(v) Level of Zero of Tide gauge with respect to Sounding/ Chart Datum			
	(b) Calibration details of ATG provide by OEM (Provide a copy as attachment)		Calibration Date	
			Valid up to	
	(c)Details offset/ reduction values if any.			
(d) State whether tide observations carried out round the clock or for duration of survey				

(e) State the tide observations interval (Example 1min, 5 min, 10 min, 15 min etc).	___ Minutes
(f) State whether the observed tides were compared with predicted tides if any. If yes please provide relevant comparison with tables of difference and tide graphs	
(g) State whether the time used is Local Mean Time/ UTC	IST/ UTC (Time Zone \pm him)
(h) State whether, the clocks of ATG/ manual tide observation team and survey systems were regularly synchronised	Yes / No
(i) State whether regular periodic check leveling was undertaken to rule out shift in tide gauge (ATG/ manual) and change in zero of tide gauge level with respect to Chart Datum/ Benchmark.	
(j) Attach a diagram representing relation between the Chart Datum, Local Bench Mark and Zero of Tide Gauge or Reference level of ATG as applicable.	

27. TIDE OBSERVATION BE FORWARDED IN FORMAT

Tide observed data is to be forwarded in the format given. The details to be included area as follows:-

Observed Tide					
<u>Date</u> DD-MMM- YYYY	<u>Time</u> (IST/UTC) HH:MM: SS	<u>Height of Tide (HoT_{Obs}) m</u> Observed on gauge (m.mm m metres)	<u>Reduction applied with respect to value of Zero of tide gauge above / below Chart Datum.</u> + if above Chart Datum - if below Chart Datum (m.mmm metres)	<u>Corrected/ Reduced Tide with respect to Chart Datum HoT</u> <u>Reduced</u> (m. mm metres)	<u>Smoothed and Reduced tide used for correcting observed soundings</u> <u>HoT</u> <u>Applied</u> (m.mmm metres)
DD-MMM- YYYY	HH ₁ :MM ₁ :SS ₁	m.mm m ₁	m.mmm _r	m.m mm _c 1	m.mmm actual1
DD-MMM- YYYY	HH ₂ :MM ₂ :SS ₂	m.mm m ₂	m.mmm _r	m.m mm _c 2	m.mmm actual2
DD-MMM- YYYY	HH ₂ :MM ₂ :SS ₂	m.mm m ₂	m.mmm _r	m.m mm _c 3	m.mmm actual3
DD-MMM- YYYY	HH _n :MM _n :SS _n	m.mm m _n	m.mmm _r	m.m mm _c n	m.mmm actualn

28. PORT LIMITS				
Pertains to Port Limit authorized vide Govt. of India gazette. (Copy of gazette to be enclosed), as follow	Port Limits (WGS-84)			
	Ser.	<u>Latitude(N/S)</u>	<u>Longitude (E/W)</u>	<u>Remarks (Brief Description if any)</u>
	(a)	DD°MM' SS".SSS	DDD°MM' SS".SSS	Start point on shore line (landward)
	(b)	DD°MM' SS".SSS	DDD°MM' SS".SSS	Seaward point
	(c)	DD°MM' SS".SSS	DDD°MM' SS".SSS	Seaward point
(d)	DD°MM' SS".SSS	DDD°MM' SS".SSS	End□ point on shore line (landward)	
29. DETAILS OF DUMPING GROUND				
(a) Name of the dumping ground with details regarding *category of Dumping ground: chemical waste dumping ground, nuclear waste dumping ground, explosives dumping ground, spoil ground, vessel dumping ground. Details for each dumping ground be provided separately	Name of Dumping Ground		*Category of Dumping Ground	
(b) Area and limits of the dumping ground	Limits and Area of Dumping Ground			
	Ser.	<u>Latitude (N/S)</u>	<u>Longitude (E/W)</u>	<u>Remarks (Brief Description if any)</u>
	(a)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	(b)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	(c)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
(d)	DD°MM'SS".SSS	DDD°MM'SS".SSS		
(c) Least known depth	Least Depth Observed date			
	Specify the means by which least depth was ascertained (Example singlebeam sounding, multibeam survey, wire drag etc)			
	Confirm whether the Least depth observed is corrected for tide and referred to chart datum			
	List Restrictions in dumping ground: anchoring prohibited, trawling prohibited, entry prohibited, discharging prohibited, and, or any other specific category.			
30. DETAILS OF FOUL AREA				
(a) Nomenclature of the foul area with *Category of Obstruction: snag/stump, diffuser, Crib, fish haven, foul area, foul ground, ice boom, ground tackle, boom	Nomenclature of Foul Area		*Category of Foul Area	
(b) Area and limits of the foul area. Provide details of each foul ground/ area separately.	Limits and Area of Foul Area			
	Ser.	<u>Latitude (N/S)</u>	<u>Longitude (E/W)</u>	<u>Remarks (Brief Description if any with debris and seabed sample)</u>
	(a)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	(b)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	(c)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
(d)	DD°MM'SS".SSS	DDD°MM'SS".SSS		
(c) Least known depth	Least Depth Observed date and Time			
	Specify the means by which least depth was ascertained (Example singlebeam sounding, multibeam survey, wire drag etc)			

	Confirm whether the Least depth observed is corrected for tide and referred to chart datum		
31. DETAILS OF DRY DOCK AREA			
To include the following:-			
(a) Nomenclature of the Dry Dock. *Category of Dock area: tidal, non-tidal (wet dock)	Nomenclature of the Dry Dock	Category of Dock area	
(b) Area and limits of the Dry Dock. Provide details of each dock separately.	Dry Dock Limits		
	Ser.	Latitude (N/S)	
		Longitude (E/W)	
		Remarks (Brief Description if any)	
	(a)	DD°MM'SS".SSS	
	(b)	DDD°MM'SS".SSS	
	(c)	DD°MM'SS".SSS	
	(d)	DDD°MM'SS".SSS	
(c) Details of the Dry Dock Gate			
(d) Depth at the entry gate			
(e) Any other significant information			
32. RELEVANT DRAWINGS OF THE PORT AREA/ DRY DOCKS ETC.			
33. AIDS TO NAVIGATION			
<p>(a) Detail of buoys *Cardinal, Installation, isolated danger, lateral, safe water special purpose.</p> <p>§Conical/nun/ogival, can/cylindrical, Spherical, Pillar, spar/spindle, Barrel, super-buoy, ice buoy.</p> <p>%Can, Cone, sphere etc</p>	Buoys		
	Details Required		Data, Description and Remarks
	(a) Name of Buoy		
	(b) *Category of buoy		
	(c) Number		
	(d) Colour		
	(e) Position of buoy in WGS 84		
	Latitude	DD° MM' SS".SSS (N/S)	
	Longitude	DDD° MM' SS".SSS (E/W)	
	(f) Purpose of buoy (Example IALA buoy fairway, safe water mark)		
	(g) §Type of Structure		
	(h) %Top Mark		
	(i) Identification by day Shape and colour		
(j) Identification by night (Characteristics of the light and Colour of light)			
(k) <u>Photography</u> . Attach two photographs with the Buoy in centre focus and other with relevant prominent features			
Details of transit marks/ beacons			
(b) Fwd transit mark position	DD°MM' SS".SSS N/S, DDD°MM'SS".SSS E/W		
(c) Fwd transit Name, Number			
(d) Fwd transit mark structure			
(e) Fwd transit mark shape			
(f) Fwd transit mark colour			
(g) Fwd transit mark top mark shape for day			
(h) Fwd transit mark top mark and colour for day identification			
(i) Fwd transit mark top mark light colour and characteristics for night identification			
(j) Aft transit mark position	DD°MM' SS".SSS N/S, DDD°MM'SS".SSS E/W		

(k) Aft transit Name, Number		
(l) Aft transit mark structure		
(m) Aft transit mark shape		
(n) Aft transit mark colour		
(o) Aft transit mark top mark shape for day		
(p) Aft transit mark top mark and colour for day identification		
(q) Aft transit mark top mark light colour and characteristics for night identification		
(r) Line of bearing of Transit Azimuth	DDD°MM'SS".SSS	
(s) Shape of Beacon		
(t) Colour of Beacon		
(u) Port signal mast position		
(v) Fixing marks (Jetty light, structures, building, conspicuous object)		
34. DRONE IMAGERY OF THE PORT AREA IF AVAILABLE		
SIGNATURE OF THE OBSERVER / REPORTER / MASTER With Contact details including email id, Fax and Telephone number as applicable.	Sign	
	Name	
	Designation	
	Telephone No.	
	FAX No.	
	Email id	
	Address	





FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

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