

INDIAN NOTICES TO MARINERS



EDITION NO. 04 DATED 16 FEB 2023

(CONTAINS NOTICES 049 TO 053)

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

FEEDBACK: msis-inho@navy.gov.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 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>
3511	15-12-2022	APPROACHES TO SITTWE HARBOUR 19° 49'.00N; 92° 19'.00E. 20° 15'.00N; 93° 00'.80E.	75,000	1	Rs. 2000.00

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>
253	15-12-2022	VERAVAL TO PIPAVAV 19° 25'.50N; 68° 49'.40E. 21° 07'.58N; 71° 35'.00E.	3,00,000	2	Rs. 2000.00

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>
253	15-04-2018	VERAVAL TO PIPAVAV	253	15-12-2022

4. The new Indian Electronic Navigational Chart that is 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>
IN2351AA	351	PARADIP TO PUSSE RIVER	09-02-2023

5. The new edition Indian Electronic Navigational Chart that is 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>
IN2253RP	253	VERAVAL TO PIPAVAV	08-02-2023

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>
IN2253RP	253	VERAVAL TO PIPAVAV	08-01-2019
IN2351PR	351	PARADIP TO PUSSE RIVER	12-04-2021

7. The forthcoming Indian Charts are as follows:-

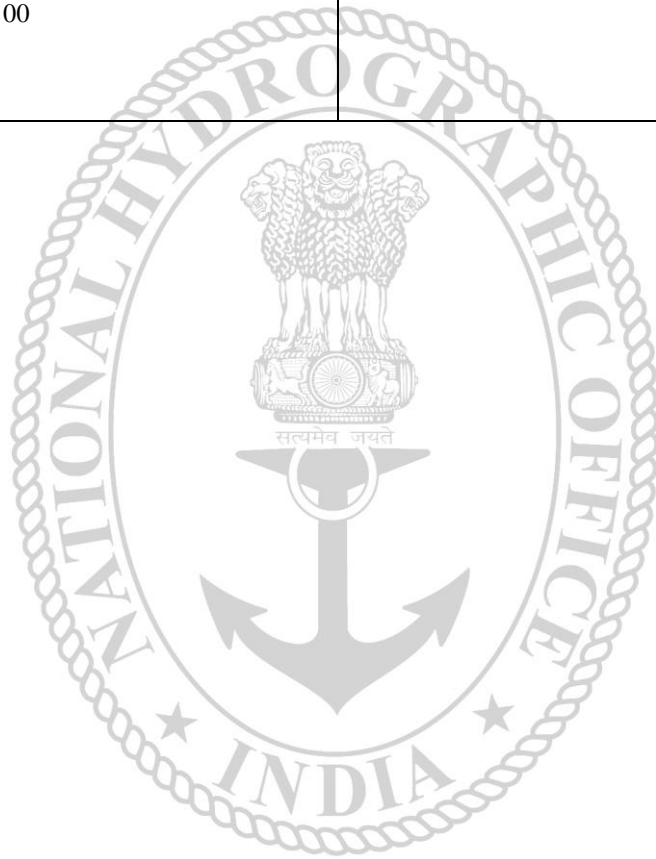
<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2025	RELIANCE TANKER BERTHS	7500	New Chart

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 049 to 053 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	050 (T), 051 (T), 053 (T)
22 (INT 752)	3	050 (T), 051 (T)
31 (INT 756)	5	049, 052 (T), 053 (T)
32 (INT 754)	5	051 (T), 052 (T), 053 (T)
33 (INT 755)	5	052 (T), 053 (T)
41 (INT 757)	6	052 (T)
207	2	050 (T)
209	3	050 (T)
210	3	050 (T)
211	3	050 (T)
214	3	051 (T)
221	4	051 (T)
251 (INT 7318)	2	051 (T)
253 (INT 7328)	2	050 (T), 051 (T)
254 (INT 7331)	3	050 (T)
255 (INT 7334)	3	050 (T)
256 (INT 7340)	3	050 (T)
258 (INT 7348)	4	051 (T)
260 (INT 7362)	4	051 (T)
261	4	051 (T)
263 (INT 7383)	5	051 (T)
271	2	051 (T)
272	4	051 (T)
291	2	051 (T), 053 (T)
292 (INT 7021)	2	050 (T), 051 (T)
293 (INT 7022)	3	050 (T), 051 (T)
294 (INT 7023)	4	051 (T)
295	4	051 (T)
315	5	053 (T)
316	5	053 (T)
351 (INT 7419)	5	049
358 (INT 7394)	5	053 (T)
391	5	052 (T)
404 (INT 7439)	6	052 (T)
405 (INT 7440)	6	052 (T)
473 (INT 7031)	6	052 (T)
2101 (INT 7347)	3	050 (T)
4115	6	052 (T)
7070 (INT 70)	1	053 (T)
7071 (INT 71)	1	053 (T)
7072 (INT 72)	1	053 (T)
7073 (INT 73)	1	053 (T)
7508 (INT 508)	1	053 (T)
7701 (INT 701)	1	053 (T)
7702 (INT 702)	1	053 (T)
7703 (INT 703)	1	053 (T)
7705 (INT 705)	1	053 (T)

CHART NUMBER	FOLIO NO.	NOTICE NO.
7706 (INT 706)	1	052 (T), 053 (T)
7707 (INT 707)	1	053 (T)
7708 (INT 708)	1	053 (T)



SECTION – II**PERMANENT NOTICES**

***049 (04/23) INDIA – EAST COAST – Paradip to Pussur River – Pilot Boarding Point.**

Source: BNHOC Notice No. 02/2023

Chart 31 (INT 756) [previous update 208/22]

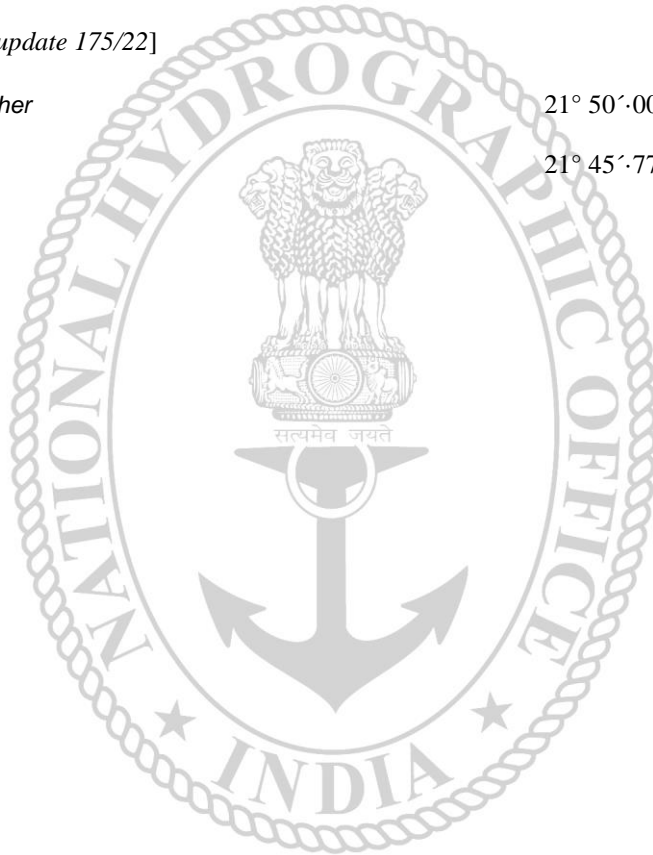
Insert  *Fair weather* 21° 50′·00N., 89° 31′·48E.

 *Bad weather* 21° 58′·43N., 89° 31′·44E.

Chart 351 (INT 7419) [previous update 175/22]

Insert  *Fair Weather* 21° 50′·00N., 89° 31′·48E.

Delete  21° 45′·77N., 89° 30′·00E.



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.

*050 (T) (04/23)	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.
Compact Driller	21° 01'.91N., 72° 33'.25E.
DS Fossil	19° 21'.43N., 71° 17'.06E.
DS Fortune	18° 34'.48N., 72° 16'.76E.
FG MC Clintok	20° 41'.85N., 71° 44'.81E.
Foresight Driller IX	18° 18'.63N., 72° 21'.81E.
Great Drill Chaaru	18° 44'.08N., 72° 18'.47E.
Great Drill Chetna	18° 47'.74N., 71° 15'.67E.
Great Drill Chaaya	18° 38'.79N., 72° 14'.94E.
Great Drill Chitra	18° 56'.92N., 72° 15'.93E.
Jindal Star	18° 33'.72N., 72° 17'.66E.
Jindal Supreme	18° 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	20° 37'.32N., 71° 38'.77E.
Sagar Vijay	20° 24'.79N., 69° 22'.51E.
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° 33'.38N., 71° 19'.70E.
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 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) - 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 046 (T)/23 is cancelled.	

***051 (T) (04/23) 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)	Charts affected
OGD18	15° 09'.92N	72° 44'.64E	127, 182, 287, 592	22 (INT 752) – 293 (INT 7022) – 214 – 294
OJD6	17° 31'.75N	71° 07'.30E	178, 383	21– 22 (INT 752) – 293 (INT 7022)
OMD15	20° 00'.34N	69° 14'.19E	133, 338, 693	21 – 253 (INT 7328) – 292 (INT 7021)
OOD5	22° 15'.45N	67° 28'.28E	147, 358, 658	21 – 251 (INT 7318) – 292 (INT 7021) – 271 – 291
OOD6	12° 30'.04N	74° 02'.29E	150, 250, 655	22 (INT 752) – 258 (INT 7348) – 272 – 294
OKD15	09° 02'.91N	75° 26'.05E	169, 274, 579	22 (INT 752) – 260 (INT 7362) – 221 – 295
KKD13	06° 57'.45N	77° 23'.46E	175, 383, 688	22 (INT 752) – 263 (INT 7383) – 32 (INT 754) – 261

2. All positions referred to WGS 84 datum.

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

Former INM 146 (T)/22 is cancelled.

***052 (T) (04/23) 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'.29E	31(INT 756)
BD10/OB	16° 19'.70N., 087° 59'.65E	31(INT 756)
BD11/OB	13° 28'.10N., 084° 07'.30E	32 (INT 754), 33(INT 755), 391
BD13/OB	13° 59'.75N., 087° 00'.29E	33 (INT 755)
CB01/CB	11° 35'.33N., 092° 35'.77E	33 (INT 755), 41 (INT 757), 473 (INT 7031), 404 (INT 7439), 405 (INT 7440), 4115
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 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.

Former INTM 039 (T)/23 is cancelled.

053 (T) (04/23) INDIAN OCEAN - NORTHERN PART - RAMA Buoys.

Source: NOAA.

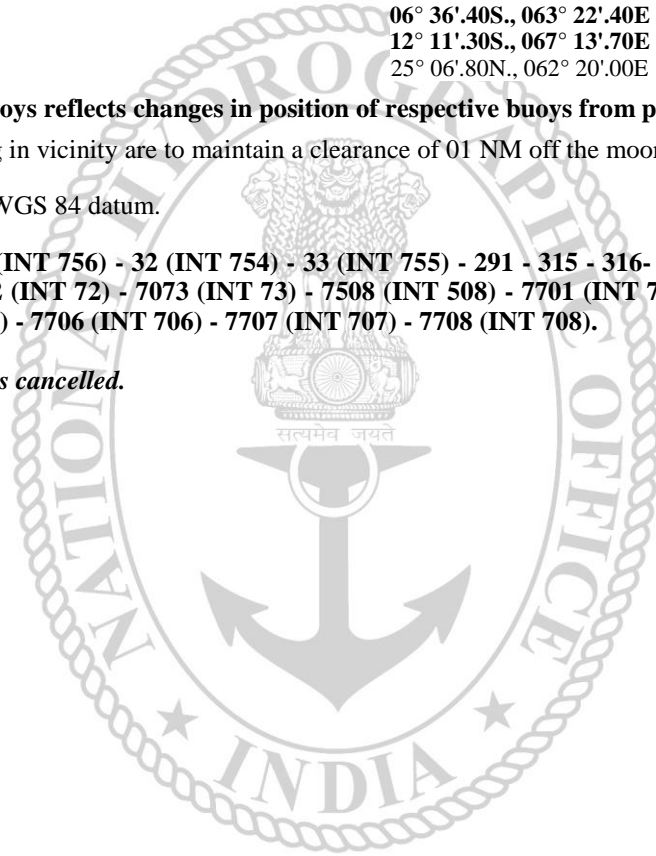
1. The research moored array of African - Asian - Australian Monsoon analysis and prediction (RAMA) buoys laid in following positions:-

Buoy No./Name	Position
RA185A	15° 01'.70N., 089° 02'.50E
RA184A	00° 00'.00N., 089° 57'.60E
RA176A	00° 59'.10S., 100° 22'.90E
RA175A	01° 32'.90S., 080° 34'.00E
RA183A	07° 56'.60N., 067° 06'.40E
RA182A	04° 13'.40N., 066° 41'.10E
RA181A	08° 07'.70S., 110° 32'.90E
RA180A	00° 24'.80N., 067° 00'.50E
RA179A	01° 35'.80S., 066° 47'.90E
RA177A	04° 07'.40S., 057° 10'.70E
RA178A	09° 24'.80S., 051° 07'.30E
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° 36'.40S., 063° 22'.40E
RT035	12° 11'.30S., 067° 13'.70E
RT032	25° 06'.80N., 062° 20'.00E

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) - 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 043 (T)/23 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
Myanmar (Yangon, Myeik, Kyau Phyu)	- 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					
			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 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

<p>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine 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</p>
<p>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</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 C & C Marine Combine 25 Bank Street, 1st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in, sales@ccmarine.in</p>	<p>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</p>
<p>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</p>	<p>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</p>
<p>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@liftmarine.org, liftmarine77@gmail.com Web: www.liftmarine.org</p>	<p>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</p>
<p>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</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 – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: sales@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 – 2020.
3. NAVAREA VIII Warnings in force as on 16 Feb 23: -

2021 SERIES - 147 286 340 463 478 479 544 629 658 759 761 833
2022 SERIES - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 601 606 615 617 623 646 651 656 688 691 702 757 805 824 856 883 931 956 970 980 997 1002 1011
2023 SERIES - 004 015 034 036 037 040 042 060 062 063 064 067 069 071 079 081 083 088 090 092 096 099 100 102 104 105 110 111 112 115 116 119 123 124 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143

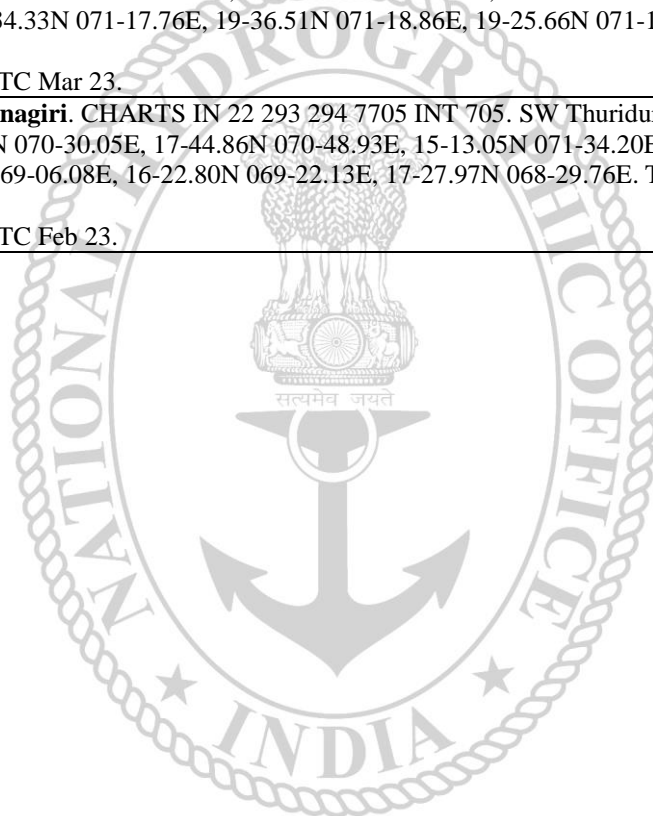
4. NAVAREA VIII Warnings issued during the period from 01 Feb 23 to 16 Feb 23 (both dates inclusive) are as tabulated below: –

<p>105. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. Sea Patriot and Sea Venture progressing accommodation barge activities in vicinity of 18-34.98N 072-14.41E. Wide berth requested.</p> <p>2. Cancel this MSG 051830 UTC Mar 23.</p>
<p>106. Cancel Navarea VIII MSG 008/23, 057/23, 073/23, 074/23, 084/23 085/23 and this MSG. INTM 046(T), 047(T), 048(T) 03/23 refers.</p>
<p>107. India East Coast - off Balasore. Charts IN 31 351 7706 INT 7419. experimental flight trials scheduled on 06 Feb 23 from 0430 to 1130 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 upto coastline joining point a and b. Wide berth from area advised.</p> <p>2. Cancel this MSG 061230 UTC Feb 23.</p>
<p>108. India East Coast - off Balasore. Charts IN 31 351 7706 INT 7419. experimental flight trials scheduled on 07 Feb 23 from 0630 to 1030 UTC in danger area bounded by (a) 21-16.56N 086-52.08E (b) 20-47.03N 087-10.98E (c) 21-12.75N 087-43.6E (d) 21-36.55N 087-28.9E. Danger area extending upto coastline joining point a and d. Wide berth from area advised.</p> <p>2. Cancel this MSG 071130 UTC Feb 23.</p>
<p>109. Navarea VIII - Warnings In Force As On 03 Feb 2023.</p> <p>2021 Series - 147 286 340 463 478 479 544 629 658 759 761 833</p> <p>2022 Series - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 601 606 615 617 623 646 651 656 688 691 702 757 805 824 856 883 931 956 970 980 997 1002 1011</p> <p>2023 Series - 004 015 029 034 035 036 037 040 041 042 045 049 060 061 062 063 064 066 067 069 070 071 079 081 083 088 090 092 096 098 099 100 102 104 105 107 108</p> <p>(A) Navarea VIII warnings less than 42 days promulgated via safety net.</p> <p>(B) Text Of Navarea VIII warning in force including those which no longer broadcast available in www.hydrobharat.gov.in.</p> <p>2. Cancel this MSG 101000 UTC Feb 23.</p>
<p>110. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. DSV Seamec III progressing survey in vicinity of 18-35.2N 071-01.96E. Wide berth requested.</p> <p>2. Cancel this MSG 151830 UTC Feb 23.</p>
<p>111. India West Coast - Jawahar Lal Nehru Port. Charts IN 21 2016 2076 INT 7338. Volvox Olympia will carry out dredging in area bounded by 18-55.74N 072-55.6E, 18-56.17N 072-55.7E, 18-55.82N 072-55.51E, 18-56.07N 072-55.9E from 04 Feb to 31 Mar 23. Wide berth requested.</p> <p>2. Cancel this MSG 311830 UTC Mar 23.</p>
<p>112. India West Coast - off Mumbai. Charts IN 21 211 255 292 INT 7334. Goodman will carry out installation activities in vicinity of 18-36.24N 072-14.01E, 18-31.87N 072-16.76E, 18-34.52N 072-16.77E, 18-36.39N 072-15.79E, 18-30.1N 072-15.94E, 18-29.14N 072-15.13E, 18-29.85N 072-15.03E, 18-39.49N 072-12.86E from 04 Feb to 15 May 23.</p>

<p>112. Continued. Wide berth requested. 2. Cancel this MSG 151830 UTC May 23.</p>
<p>113. Cancel Navarea VIII MSG 066/23 and this MSG.</p>
<p>114. India East Coast - off Balasore. Charts IN 31 351 7706 INT 7419. Experimental flight trials scheduled from 080430 to 080630 UTC, 080830 to 081030 UTC, 090530 to 090930 UTC and 100530 to 100930 UTC Feb 23 in danger area bounded by (a) 21-36.9N 087-30.06E (b) 20-34.54N 087-48.41E (c) 19-49.98N 087-02.85E (d) 20-09.6N 086-36.71E (e) 20-42.18N 087-08.98E (f) 20-57.35N 086-54.46E. Danger area extending upto coastline joining point a and f. Wide berth from area advised. 2. Cancel this MSG 101030 UTC Feb 23.</p>
<p>115. India West Coast - off Daman. Charts IN 21 210 255 292 INT 7334. Seismic survey will be carried out by Crest Argus 2 and Voyager Explorer with node deployment vessel Stanford Buzzard, Stanford Hawk and pinging vessel Mat mercury, Flamboyan and Raafi in area bounded by 20-15.38N 071-44.47E, 20-15.31N 071-58.97E, 20-38.87N 072-27.96E, 20-54.83N 072-28.02E, 20-54.93N 071-44.48E from 07 Feb TO 08 Mar 23. Wide berth of 05 nm requested. 2. Cancel this MSG 081830 UTC Mar 23.</p>
<p>116. India East Coast - Paradip Approach Channel. Charts IN 31 351 3010 INT 7418. Buoy 01 (20-12.82N 086-46.32E) and Buoy 02 (20-12.58N 086-46.17E) retrieved for maintenance.</p>
<p>117. India West Coast - off Porbandar. Charts IN 21 252 292 INT 7021. Firing by cg aircraft scheduled on 10 Feb 23 from 0330 to 0930 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 101030 UTC Feb 23.</p>
<p>118. India West Coast - Okha. Charts IN 21 202 203 2068 INT 7319. Firing scheduled on 10 Feb 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 100830 UTC Feb 23.</p>
<p>119. India West Coast. Charts IN 21 211 255 292 INT 7334. Rig move. FG Mcclintock (20-41.85N 071-44.81E) and DS Fossil (19-21.43N 071-17.06E). Refer to 046(T) of INTM 03/23. Wide berth requested.</p>
<p>120. Indian Ocean - Sriharikota. Charts IN 32 7706 7707 INT 706. Rocket launch from 13-44N 080-14.1E scheduled 10 to 12 Feb 23 from 0330 to 0730 UTC. 2. Danger zone as follows: Zone-1: Circle of 10 nm around launcher. Zone-2: Danger area bounded by 09-30N 083-40E, 10-10N 084-10E, 07-10N 086-50E, 06-30N 086-20E. Zone-3: Danger area bounded by 00-35N 091-30E, 01-35N 092-10E, 01-10S 094-40E, 01-35S 094-50E, 02-30S 094-15E. 3. Wide berth from area advised. 4. Cancel this MSG 120830 UTC Feb 23.</p>
<p>121. India East Coast - off Sagar I. Charts IN 31 301 351 INT 7419. Firing by cg aircraft scheduled 09 and 10 Feb 23 from 0430 to 1030 UTC 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 101130 UTC Feb 23.</p>
<p>122. India West Coast - off Alappuzha. Charts IN 22 260 7706 INT 7362. Firing scheduled 10, 11 Feb 23 from 0430 to 1130 UTC in danger area bounded within 09-17.50N to 09-28.50N and 075-11.50E to 075-21.50E. Wide berth from area advised. 2. Cancel this MSG 111230 UTC Feb 23.</p>
<p>123. Southern Indian Ocean. Charts IN 7072 7073 INT 73. Space debris predicted in area bounded by 30-58S 064-40E, 28-55S 064-07E, 42-17S 014-03E, 44-19S 014-42E from 11 to 17 Feb 23 between 0430 UTC and 1153 UTC. 2. Cancel this MSG 171253 UTC Feb 23.</p>
<p>124. India West Coast. Charts IN 21 253 292 INT 7021. Rig move. Sagar Vijay (20-24.79N 069-22.51E). Refer to 046(T) of INTM 03/23. Wide berth requested.</p>
<p>125. India East Coast - off Balasore. Charts IN 31 351 7706 INT 7419. Experimental flight trials scheduled on 11 Feb 23 from 0630 to 1030 UTC in danger area bounded by (a) 21-16.56N 086-52.08E (b) 20-47.03N 087-10.98E (c) 21-12.75N 087-43.6E (d) 21-36.55N 087-28.9E. Danger area extending upto coastline joining point a and d. Wide berth from area advised. 2. Cancel this MSG 111130 UTC Feb 23.</p>
<p>126. India West Coast - off Daman. Charts IN 21 255 292 INT 7334. Greatship Vimla progressing geophysical survey in vicinity of 20-36.05N 072-02.17E, 20-36.01N 072-02.15E, 20-36.02N 072-02.23E, 20-44.76N 071-55.56E, 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 151830 UTC May 23.</p>
<p>127. India West Coast - off Mumbai. Charts IN 21 210 255 292 INT 7334. Seismic survey will be carried 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 Feb to 11 Mar 23. Wide berth of 05 nm requested.</p>

127. Continued.
2. Cancel this MSG 111830 UTC Mar 23.
128. Lakshadweep Sea. Charts IN 22 7703 7706 INT 752. SW cook progressing seismic survey in area bounded by 08-59.01N 070-23.72E, 09-54.84N 074-54.11E, 08-38.06N 076-03.18E, 07-59.36N 076-42.23E, 07-15.16N 075-07.67E, 07-47.96N 074-49.87E, 07-35.18N 073-23.86E, 07-52.39N 070-42.94E. Wide berth requested.
2. Cancel this MSG 251830 UTC Feb 23.
129. Arabian Sea. Charts IN 22 7073 7705 INT 706. SW Bly progressing seismic survey in vicinity of 11-02.67N 072-39.8E, 11-04.83N 068-24.79E, 12-36.99N 068-08.16E, 13-39.59N 068-25.49E, 14-00.22N 068-40.68E, 14-36.12N 071-22.34E, 10-52.1N 068-07.33E, 11-38.99N 068-00.22E. Wide berth requested.
2. Cancel this MSG 151830 UTC Feb 23.
130. India West Coast - off Trivandrum. Charts IN 22 222 260 261 INT 752. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 15 Feb 23 from 0530 to 0700 UTC. Danger sector (a) radius of 05 nm between azimuth 190 and 300 (b) radii of 45 nm and 75 nm between azimuth 220 and 260. Wide berth from area advised.
2. Cancel this MSG 150800 UTC Feb 23.
131. Andaman Sea - off Little Nicobar I. Charts IN 33 409 471 472 4036 INT 7448. Firing by CG aircraft scheduled from 13 to 15 Feb 23 from 0030 to 1330 UTC in danger area bounded within 07-23.5N to 07-34.5N and 093-32E to 093-43E. Wide berth from area advised.
2. Cancel this MSG 151430 UTC Feb 23.
132. Navarea VIII - Warnings In Force As On 10 Feb 2023.
2021 SERIES - 147 286 340 463 478 479 544 629 658 759 761 833
2022 SERIES - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 601 606 615 617 623 646 651 656 688 691 702 757 805 824 856 883 931 956 970 980 997 1002 1011
2023 SERIES - 004 015 034 036 037 040 042 045 049 060 061 062 063 064 067 069 071 079 081 083 088 090 092 096 099 100 102 104 105 110 111 112 115 116 119 120 122 123 124 125 126 127 128 129 130 131 132
(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 171830 UTC Feb 23.
133. Andaman Sea - off Port Blair. Charts IN 33 41 473 INT 7031. Firing scheduled 16 and 17 Feb 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 171300 UTC Feb 23.
134. India East Coast - off Balasore. Charts IN 31 301 351 3011 INT 7419. Experimental flight trials scheduled 16 to 18 Feb 23 and 20 to 22 Feb 23 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 23.
135. India East Coast - off Balasore. Charts IN 31 351 INT 7419. Experimental flight trials scheduled 16 to 18 Feb 23 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 087-59.3E, 21-35.58N 087-10.7E. Wide berth from area advised.
2. Cancel this MSG 181200 UTC Feb 23.
136. India East Coast - off Kakinada. Charts IN 31 355 INT 7405. North Ocean 102 will carry out installation work in vicinity of 16-32.48N 082-21.37E, 16-25.57N 082-25.75E, 16-17.64N 082-23.60E, 16-16.54N 082-21.11E, 16-18.34N 082-14.43E, 16-20.53N 082-14.52E, 16-22.94N 082-17.77E, 16-30.68N 082-18.32E from 14 Feb to 31 Mar 23. Wide berth requested.
2. Cancel this MSG 311830 UTC Mar 23.
137. India West Coast. Charts IN 21 255 292 INT 7334. Rig move. Greatdrill chaaru (19-36.71N 071-20E). Refer to 046(T) of INTM 03/23. Wide berth requested.
138. India East Coast - off Chennai. Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 17 Feb 23 from 0130 to 1130 UTC 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 23.
139. India East Coast - off Sagar I. Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled 16 and 17 Feb 23 from 0430 to 1030 UTC 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 171130 UTC Feb 23.
140. Lakshadweep Sea - off Kavaratti I. Charts IN 22 268 273 2023 INT 7353. Firing scheduled on 17 Feb 23 from 0230 to 1230 UTC in danger area bounded by 10-33.32N 072-38.05E, 10-32.54N 072-38.72E, 10-31.92N 072-37.90E, 10-32.60N 072-37.25E. Wide berth from area advised.

140. Continued.
2. Cancel this MSG 171330 UTC Feb 23.
141. India East Coast - off Visakhapatnam. Charts IN 31 354 INT 7408. Firing scheduled 15, 16 Feb 23 from 0530 to 0730 UTC in danger area bounded by 17-49.63N 084-50.17E, 17-29.62N 084-50.18E, 17-29.6N 084-29.18E, 17-49.62N 084-29.18E. Wide berth from area advised.
2. Cancel this MSG 160830 UTC Feb 23.
142. India West Coast – Hazira. Charts in 2101 2108 INT 7347. DGPS (21-05.53N 072-38.56E) transmission will be switched off from 160330 UTC to 171230 utc Feb 23 for maintenance.
2. Cancel this MSG 171230 UTC Feb 23.
143. India West Coast. Charts in 21 254 255 292 INT 7021. Rig move. Sagar kiran (20-25.8N 071-54.61E), Sagar Gaurav (19-39.07N 071-55.36E), Gd Chaaru (19-36.62N 071-20.66E), Aban Iv (19-34.72N 071-20.64E). Refer to 046(T) of INTM 03/23. Wide berth requested.
144. India West Coast - Gulf of Kachchh. Charts IN 21 203 2060 INT 7332. Barge Leighton Stealth, AHT Britoil 67, AHT AK Ship 9, Cargo Barge AF 281 and tow tug AB 3000 progressing pipeline laying in vicinity of 22-31.60N 069-42.48E, 22-31.57N 069-41.26E. Wide berth requested.
2. Cancel this MSG 251830 UTC May 23.
145. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Samudra Sarvekshak progressing survey in vicinity of 20-47.94N 071-58.21E, 20-54.68N 071-56.74E, 21-03.87N 072-21.40E, 20-56.25N 072-34.27E, 18-54.73N 071-56.50E, 18-47.74N 071-15.67E, 19-34.33N 071-17.76E, 19-36.51N 071-18.86E, 19-25.66N 071-16.15E, 19-19.12N 071-23.76E. Wide berth requested.
2. Cancel this MSG 161830 UTC Mar 23.
146. India West Coast - off Ratnagiri. CHARTS IN 22 293 294 7705 INT 705. SW Thuridur progressing seismic survey in area bounded by 18-13.86N 070-30.05E, 17-44.86N 070-48.93E, 15-13.05N 071-34.20E, 14-05.68N 069-38.74E, 14-27.26N 069-17.31E, 14-48.26N 069-06.08E, 16-22.80N 069-22.13E, 17-27.97N 068-29.76E. Tow length 6nm. Wide berth requested.
2. Cancel this MSG 281830 UTC Feb 23.



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
	KHOWR-E MUSA						
D7651-2	- No 22	29 59-29 N 49 03-41 E	FI(3)R 12s	..	12	Red beacon	..
	..	.. *	AIS	..	..	..	MMSI No 994221562
D7651-3	- No 15	29 59-44 N 49 03-61 E	FI G 3s	..	12	Green beacon	..
		.. *					
D7651-5	- No 24	30 00-07 N 49 02-57 E	FI R 3s	..	12	Red beacon	..
	..	.. *	AIS	..	..	..	MMSI No 994221561
D7656-8	Remove from list; deleted						
	JAZIRAT DAS						
D9205-53	- SBM. Tanker Berth No 6	25 08-14 N 52 55-69 E	Mo(U)R	..	..	..	TE 2023 *

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019



(Last correction: Edition No. 23 dated 01 Dec 2022)

Page 30 IRAN,
ABADAN RADIO (EQA), Delete entry and replace by:-

ABADAN RADIO (EQA)		30°19'.81N 48°16'.93E	
MMSI 004224102	DSC VHF	OBS	
 +98 61 53244164 +98 61 53244206		 +98 61 53242025	
		e-mail: abadanradio@pmo.ir	



VHF		
	Ch 16 18 25 79	Ch 16 (H24)

Page 31 IRAN,
ASALUYEH RADIO (EQP), Delete entry and replace by:-

ASALUYEH RADIO (EQP)		27°28'.05N 52°36'.05E	
MMSI 004225202	DSC VHF	OBS	
 +98 77 31377682		 +98 77 31377682	
		e-mail: bushehrradio@pmo.ir	

VHF		
	Ch 16 18	Ch 16 (H24)



Page 31 IRAN,
BANDAR-E EMAM KHOMEYNI RADIO (EQN), Delete entry and replace by:-

BANDAR-E EMAM KHOMEYNI RADIO (EQN)		30°25'.49N 49°03'.87E	
MMSI 004225100	DSC VHF HF 4 6 8 12 & 16 Mhz	OBS	
 +98 61 52282451-3 +98 61 52282457-8 +98 61 52282451-7		 +98 61 52252456	
		e-mail: khomeiniradio@pmo.ir	

VHF		
	Ch 16 18 19 23 60 66	Ch 16 (H24)

RT (HF)			
	Transmits	Receives	Hours of Watch
	4125	4125	H24
	4402 (Ch 416)	4110	
	6215	6215	H24
	8291	8291	
	8776 (Ch 820)	8252	
	8797 (Ch 827)	8273	
	12290	12290	H24
	13140 (Ch 1222)	12293	
	13167 (Ch 1231)	12320	
	16420	16420	H24
	17278 (Ch 1613)	16396	
	17344 (Ch 1635)	16462	
	22735 (Ch 2214)	22039	



Page 33 IRAN,
BUSHEHR (EQM), Delete entry and replace by:-

BUSHEHR (EQM)			28°58'.90N 50°50'.07E
MMSI 004225200	DSC VHF	OBS	
 +9877 31666549-50		 +9877 33330077	
		e-mail: bushehrradio@pmo.ir	

VHF	Ch 16 18 19 20 25 81 82 84	Ch 16 (H24)
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RT (HF)			
	Transmits	Receives	Hours of Watch
	4366 (Ch 404)	4074	
	4369 (Ch 405)	4077	
	6513 (Ch 605)	6212	
	8746 (Ch 810)	8222	
	8803 (Ch 829)	8279	
	13134 (Ch 1220)	12287	
	13152 (Ch 1226)	12305	
	17254 (Ch 1605)	16372	
	22708 (Ch 2205)	22012	



Page 33 IRAN,
CHABAHR RADIO (EQJ), Delete entry and replace by:-

CHABAHR RADIO (EQJ)			25°17'.53N 60°37'.71E
MMSI 004225400	DSC VHF	OBS	
 +98 54 35321415		 +98 54 35321216	
		e-mail: chabaharradio@pmo.ir	

VHF	Ch 16 18 24	Ch 16 (H24)
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RT (HF)			
	Transmits	Receives	Hours of Watch
	4360 (Ch 402)	4068	
	4375 (Ch 407)	4083	
	8731 (Ch 805)	8207	
	8782 (Ch 822)	8258	
	13113 (Ch 1213)	12266	
	13116 (Ch 1214)	12269	
	17314 (Ch 1625)	16432	
	17326 (Ch 1629)	16444	
	22744 (Ch 2217)	22048	
	22798 (Ch 2235)	22102	

Page 34 IRAN,
DAYYER RADIO (EQM5), Delete entry and replace by:-

DAYYER RADIO (EQM5)			27°50'.00N 51°55'.00E
MMSI 004225203	DSC VHF	OBS	
 +98 77 35429441 +98 77 35429442 +98 77 35426210		 +98 77 35429443 +98 77 35426210	
		e-mail: bushehrradio@pmo.ir	



VHF	Ch 16 18	Ch 16 (H24)
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Page 34 IRAN,
GENAVEH RADIO (EQM2), Delete entry and replace by:-

GENAVEH RADIO (EQM2)		29°34'.00N 50°34'.00E	
MMSI 004225206	DSC VHF	OBS	
 +98 77 33127383		 +98 77 33127383	
		e-mail: bushehrradio@pmo.ir	



VHF		Ch 16 18 26	Ch 16 (H24)
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Page 35 IRAN,
KHORRAMSHAHR RADIO (EQK), Delete entry and replace by:-

KHORRAMSHAHR RADIO (EQK)		30°26'.42N 48°10'.15E	
MMSI 004225101	DSC VHF	OBS	
 +98 61 53507424		 +98 61 53527424	
		e-mail: khorramshahrradio@pmo.ir	



VHF		Ch 16 18 25 27	Ch 16 (H24)
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Page 35 IRAN,
KHOWR-E MUSA RADIO (EQN2), Delete entry and replace by:-

KHOWR-E MUSA RADIO (EQN2)		29°56'.00N 49°11'.00E	
MMSI 004224103	DSC VHF	OBS	
 +98 61 52286996		 +98 61 52282456	
		e-mail: khomeiniradio@pmo.ir	

VHF		Ch 16	(H24)
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Page 35 IRAN,
LAVAR-E SAHELI RADIO (EQM4), Delete entry and replace by:-

LAVAR-E SAHELI RADIO (EQM4)		28°15'.11N 51°16'.01E	
MMSI 004225204	DSC VHF	OBS	
 +98 77 35457672 +98 77 58674827		 +98 77 35457673 +98 77 58674827	
		e-mail: bushehrradio@pmo.ir	

VHF		Ch 16 18 26 27	Ch 16 (H24)
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8.4

INP 31(2), 2019

(Last correction: Edition No. 24 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. 02 dated 16 Jan 2023)

NIL

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.

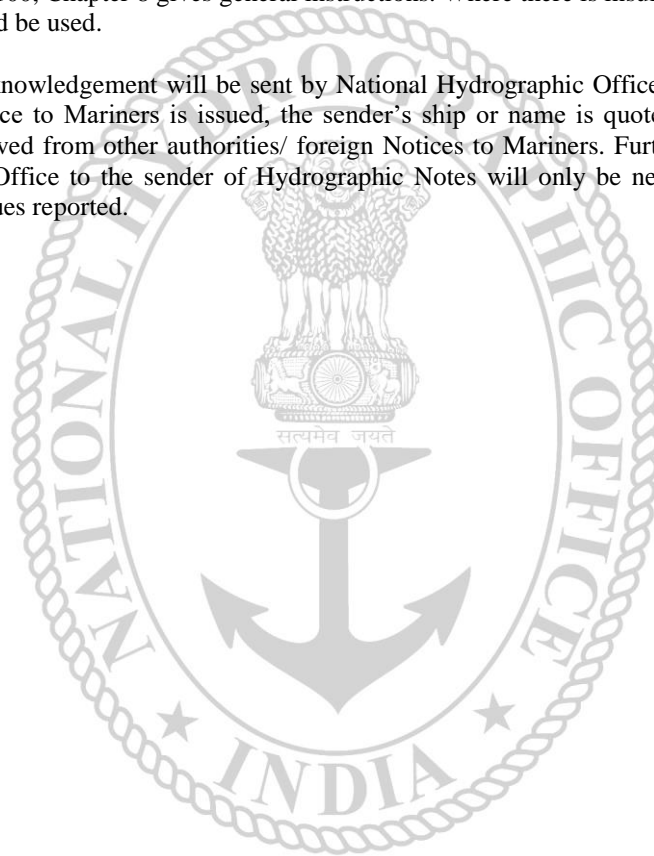
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

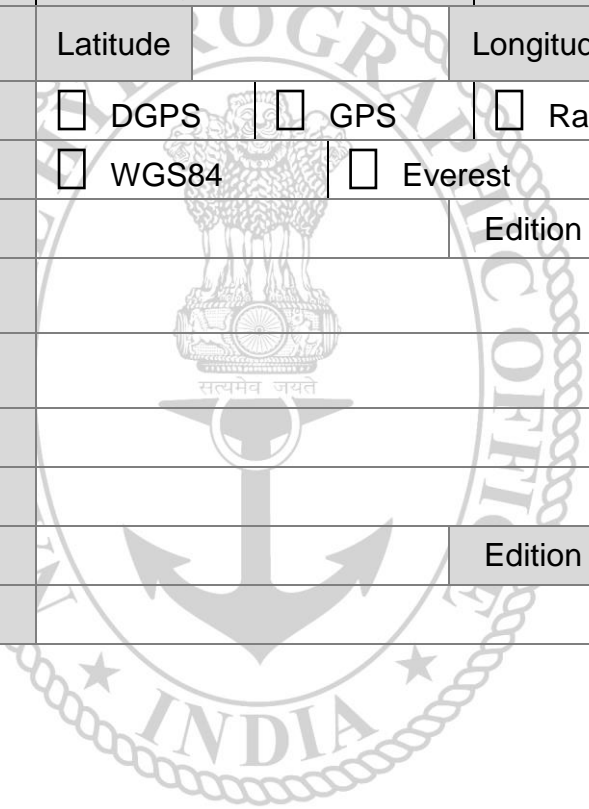
8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

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.

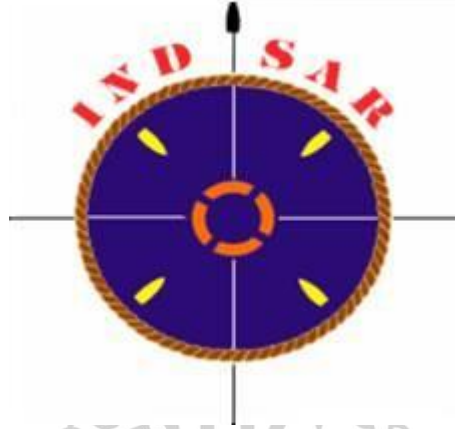


HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes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

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

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

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



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC