

INDIAN NOTICES TO MARINERS

EDITION NO. 12 DATED 16 JUNE 2023

(CONTAINS NOTICES 113 TO 120)



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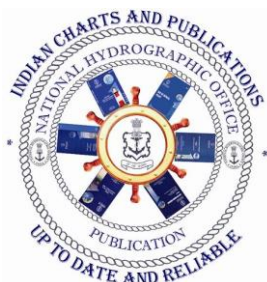
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

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>
2021	15-04-2023	SIKKA CHANNEL 22° 26'.10N; 69° 46'.25E. 22° 28'.70N; 69° 48'.30E.	7,500	2	Rs. 2000.00
2025	31-12-2022	RELIANCE TANKER BERTHS 22° 29'.00N; 69° 49'.40E. 22° 30'.90N; 69° 52'.20E.	7,500	2	Rs. 2000.00
2033 (INT 7341)	30-04-2023	SIKKA CREEK 22° 28'.00N; 69° 45'.30E. 22° 32'.40N; 69° 52'.50E.	12,500	2	Rs. 2000.00
2596 (INT 7373)	31-03-2023	KULHUDHUFFUSHI ANCHORAGES 06° 33'.80N; 72° 55'.50E. 06° 42'.60N; 73° 08'.75E.	2,500	1	Rs. 2000.00
2695	31-03-2023	WESTERN APPROACHES TO PEMBA ISLAND 05° 15'.00S; 39° 27'.00E. 04° 48'.50S; 39° 44'.50E.	50,000	1	Rs. 2000.00
302	15-04-2023	SAGAR ISLAND TO DHAMRA PORT 20° 49'.00N; 86° 45'.00E. 21° 41'.00N; 88° 08'.00E.	1,50,000	5	Rs. 2000.00
303	15-04-2023	DHAMRA PORT TO PARADIP PORT 20° 04'.50N; 86° 25'.00E. 20° 55'.50N; 87° 50'.00E.	1,50,000	5	Rs. 2000.00
3030	15-04-2023	BHIMUNIPATNAM ANCHORAGE 17° 50'.00N; 83° 24'.80E. 17° 53'.50N; 83° 29'.40E.	12,500	5	Rs. 2000.00
		APPROACHES TO BHIMUNIPATNAM 17° 48'.00N; 83° 24'.40E. 17° 54'.80N; 83° 33'.60E.	25,000		

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>
2001	30-04-2023	MUMBAI DOCKS 18° 54'.70N; 72° 49'.85E. 19° 00'.00N; 72° 53'.50E.	10,000	3	Rs. 2000.00
2015 (INT 7337)	30-04-2023	PORT OF MUMBAI 18° 48'.00N; 72° 47'.55E. 18° 58'.78N; 72° 54'.85E.	20,000	3	Rs. 2000.00
2076 (INT 7338)	30-04-2023	JAWAHARLAL NEHRU PORT AND TROMBAY 18° 53'.40N; 72° 52'.30E. 19° 04'.10N; 72° 59'.50E.	20,000	3	Rs. 2000.00
292 (INT 7021)	30-04-2023	DWARKA TO MUMBAI 18° 10'.00N; 66° 10'.00E. 22° 20'.00N; 73° 05'.00E.	7,50,000	2	Rs. 2000.00
315	15-04-2023	PALK STRAIT 09° 43'.75N; 79° 01'.00E. 10° 28'.00N; 80° 23'.50E.	1,25,000	5	Rs. 2000.00

VI

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>
2001	30-04-2015	MUMBAI DOCKS	2001	30-04-2023
2015 (INT 7337)	15-06-2020	PORT OF MUMBAI	2015 (INT 7337)	30-04-2023
2033 (INT 7341)	15-09-2018	SIKKA CREEK	2033 (INT 7341)	30-04-2023
2076 (INT 7338)	15-06-2020	JAWAHARLAL NEHRU PORT AND TROMBAY	2076 (INT 7338)	30-04-2023
2083 (Plan)	15-09-2018	RELIANCE TANKER BERTHS	2025	31-12-2022
292 (INT 7021)	31-07-2019	DWARKA TO MUMBAI	292 (INT 7021)	30-04-2023
3030	15-08-2018	BHIMUNIPATNAM ANCHORAGE	3030	15-04-2023
		APPROACHES TO BHIMUNIPATNAM		
315	15-01-2020	PALK STRAIT	315	15-04-2023

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>
IN2292AB	292	DWARKA TO MUMBAI	07-06-2023
IN52596K	2596	KULHUDHUFFUSHI ANCHORAGES	08-06-2023
IN3301AA	301	APPROACHES TO HUGLI RIVER	08-06-2023
IN3302AA	302	SAAGAR ISLAND TO DHAMRA PORT	08-06-2023
IN3303AA	303	DHAMRA PORT TO PARADEEP PORT	08-06-2023
IN62021A	2021	SIKKA CHANNEL	07-06-2023
IN62025A	2025	RELIANCE TANKER BERTHS	09-06-2023
IN62033B	2033	SIKKA CREEK	09-06-2023

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>
IN62001U	2001	MUMBAI DOCKS	06-06-2023
IN52015B	2015	PORT OF MUMBAI	06-06-2023
IN52076N	2076	JAWAHARLAL NEHRU PORT AND TROMBAY	06-06-2023
IN52121A	2121	VERAVAL ANCHORAGE	07-06-2023
IN52121B	2121	VERAVAL HARBOUR	07-06-2023
IN3315AA	315	PALK STRAIT	07-06-2023

VII

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN63030A	3030	BHIMUNIPATNAM ANCHORAGE	08-06-2023
IN63030P	3030	APPROACHES TO BHIMUNIPATNAM	08-06-2023
IN3405PA	405	PORT BLAIR TO LITTLE ANDAMAN ISLAND	13-06-2023
IN121MTB	21	MUSCAT TO MUMBAI	13-06-2023
IN17706C	7706	BAY OF BENGAL	12-06-2023
IN2473NI	473	ANDAMAN ISLANDS	14-06-2023

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>
IN2292AA	292	DWARKA TO MUMBAI	08-08-2022
IN62033K	2033	SIKKA CREEK; SIKKA CHANNEL	12-11-2014
IN3301HR	301	APPROACHES TO HUGLI RIVER	10-11-2020
IN62083R	2083	RELIANCE TANKER BERTHS	25-10-2018

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2527	MAURITIUS	1,25,000	NEW EDITION
4164	TERASSA ISLAND	25,000	NEW CHART

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:

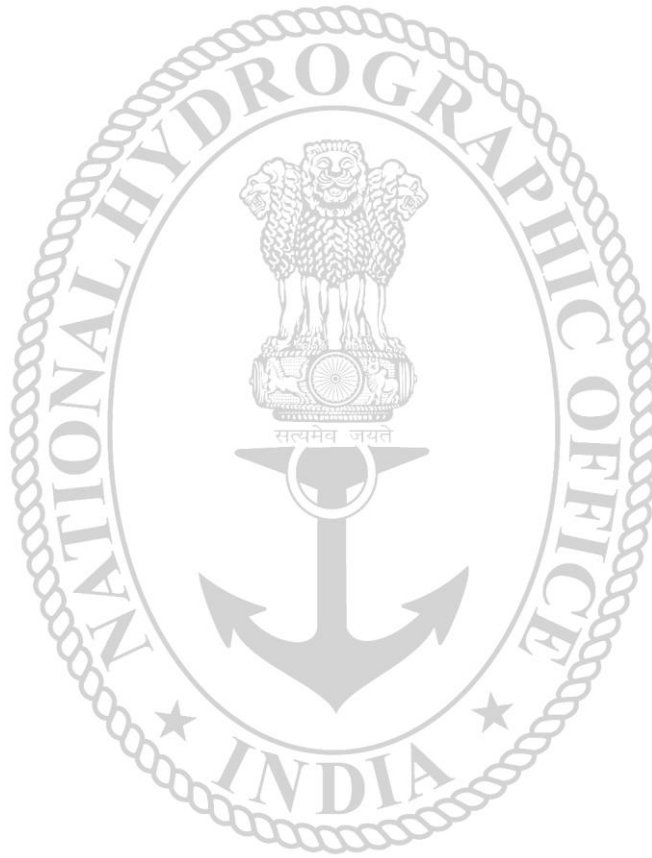
United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel : +44 (0) 1823 337900 Fax : +44 (0) 1823 330561, 1823 284077 Web site : www.hydro.gov.uk	M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills, Hyderabad - 500 034 Telangana Tel: +91 4039144444 Fax: +91 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 113 to 120 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	115 (T), 120 (T)
22 (INT 752)	3	113, 115 (T), 116 (T)
31 (INT 756)	5	119 (T), 120 (T)
32 (INT 754)	5	116 (T), 119 (T), 120 (T)
33 (INT 755)	5	119 (T), 120 (T)
41 (INT 757)	6	119 (T)
212	3	118 (T)
217	4	113
220	4	116 (T)
256 (INT 7340)	3	118 (T)
258 (INT 7348)	4	113
259 (INT 7356)	4	116 (T)
260 (INT 7362)	4	116 (T)
268 (INT 7353)	4	115 (T)
272	4	113
273	4	115 (T)
291	2	120 (T)
292 (INT 7021)	2	115 (T)
293 (INT 7022)	3	115 (T), 118 (T)
294 (INT 7023)	4	113, 115 (T)
313	5	119 (T)
315	5	120 (T)
316	5	120 (T)
351 (INT 7419)	5	114
352 (INT 7416)	5	114
356 (INT 7400)	5	119 (T)
357 (INT 7397)	5	119 (T)
358 (INT 7394)	5	120 (T)
391	5	119 (T)
404 (INT 7439)	6	119 (T)
405 (INT 7440)	6	119 (T)
472 (INT 7032)	6	119 (T)
473 (INT 7031)	6	119 (T)
2002 (INT 7351)	4	113
2029 (INT 7358)	4	116 (T)
2039	2	117 (T)
2047	4	115 (T)
2065	3	118 (T)
2082	2	117 (T)
2083 (INT 7339)	2	114
2110 (INT 7344)	2	117 (T)
2359 (INT 7350)	4	113
3001 (INT 7402)	5	119 (T)
3004 (INT 7403)	5	119 (T)
4115	6	119 (T)

7070 (INT 70)	1	120 (T)
7071 (INT 71)	1	115 (T), 116 (T), 119 (T), 120 (T)
7072 (INT 72)	1	115 (T), 120 (T)
7073 (INT 73)	1	115 (T), 116 (T), 119 (T), 120 (T)
7508 (INT 508)	1	120 (T)
7701 (INT 701)	1	120 (T)
7702 (INT 702)	1	120 (T)
7703 (INT 703)	1	115 (T), 116 (T), 120 (T)
7705 (INT 705)	1	115 (T), 120 (T)
7706 (INT 706)	1	115 (T), 116 (T), 119 (T), 120 (T)
7707 (INT 707)	1	115 (T), 119 (T), 120 (T)
7708 (INT 708)	1	120 (T)



SECTION – II**PERMANENT NOTICES*****113 (12/23) INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Wreck.**

Source: IH-102, INS Sarvekshak.

Chart 22 (INT 7348) [previous update 081/23]

Insert



12° 56'·35N., 074° 46'·21E.

Delete



12° 56'·35N., 074° 46'·20E.

Chart 294 [previous update 192/22]

Insert



12° 56'·35N., 074° 46'·21E.

Delete



12° 56'·35N., 074° 46'·20E.

Chart 272 [previous update 192/22]

Insert



12° 56'·35N., 074° 46'·21E.

Delete



12° 56'·35N., 074° 46'·20E.

Chart 258 (INT 7348) [previous update 192/22]

Insert



12° 56'·35N., 074° 46'·21E.

Delete



12° 56'·35N., 074° 46'·20E.

Chart 217 [previous update 192/22]

Insert



12° 56'·35N., 074° 46'·21E.

Delete



12° 56'·35N., 074° 46'·20E.

Chart 2359 (INT 7350) [previous update 240/19]

Insert



12° 56'·35N., 074° 46'·21E.

Delete



12° 56'·35N., 074° 46'·20E.

Chart 2002 (INT 7351) [previous update 240/19]

Insert

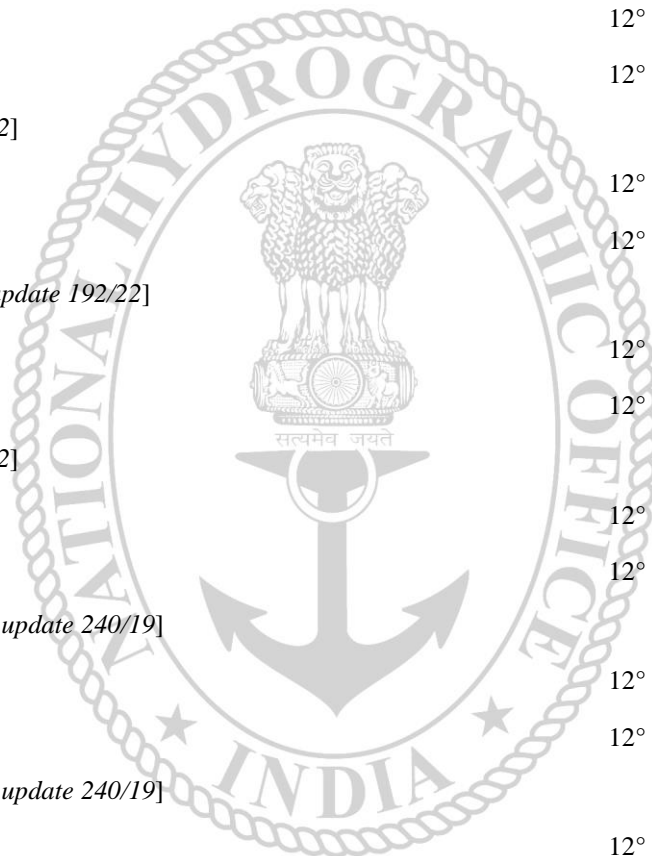


12° 56'·35N., 074° 46'·21E.

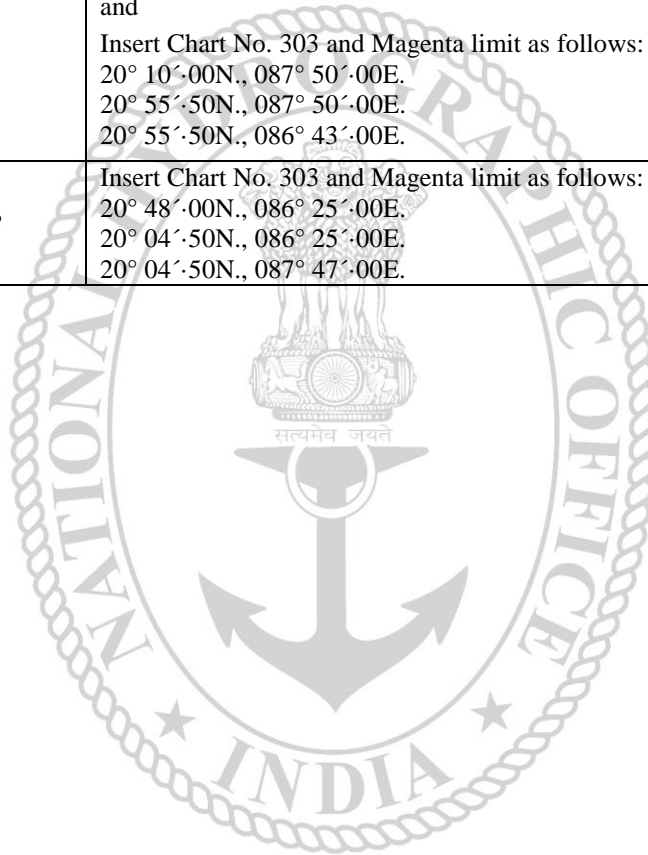
Delete



12° 56'·35N., 074° 46'·20E.



*114 (12/23)	Miscellaneous updates to charts.	
Source: NHO, Dehradun.		
Chart No.	Previous Updates	Details
2083 (INT 7339)	154/22	Insert Chart No. 2021 and Magenta limit as follows: 22° 26′.10N., 069° 46′.25E. 22° 26′.10N., 069° 48′.30E. 22° 28′.70N., 069° 48′.30E. 22° 28′.70N., 069° 46′.25E. 22° 26′.10N., 069° 46′.25E.
351 (INT 7419)	082/23	Insert Chart No. 302 and Magenta limit as follows: 20° 49′.00N., 086° 45′.00E. 20° 49′.00N., 088° 08′.00E. 21° 41′.00N., 088° 08′.00E. 21° 41′.00N., 086° 45′.00E. 20° 49′.00N., 086° 45′.00E. and Insert Chart No. 303 and Magenta limit as follows: 20° 10′.00N., 087° 50′.00E. 20° 55′.50N., 087° 50′.00E. 20° 55′.50N., 086° 43′.00E.
352 (INT 7416)	155/22	Insert Chart No. 303 and Magenta limit as follows: 20° 48′.00N., 086° 25′.00E. 20° 04′.50N., 086° 25′.00E. 20° 04′.50N., 087° 47′.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.

*115 (T) (12/23)	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoys.
Source: NIOT, Chennai.	
1. Following yellow color data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-	
Buoy No./Name	Position
AD06/OB	18° 18'·92N., 067° 20'·48E
AD07/OB	14° 56'·62N., 068° 59'·08E
AD08/OB	12° 03'·85N., 068° 37'·33E
AD09/OB	08° 05'·02N., 073° 15'·67E
AD10/OB	10° 19'·53N., 072° 37'·37E
CALVAL/MB	10° 35'·52N., 072° 15'·98E
CBO2/CB	10° 52'·42N., 072° 12'·57E
STBO2/TB	20° 45'·60N., 065° 16'·80E
TB12/TB	19° 53'·13N., 066° 59'·77E
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) – 2047 – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707).	
Former INTM 037 (T)/23 is cancelled.	

*116 (T) (12/23)	INDIA – WEST COAST – Approaches to Kochi – Data Buoys.
Source: INCOIS.	
1. INCOIS deployed buoy based coastal observatory in below mentioned position:-	
Buoy Name	Position
Kochi	09° 50'·96N., 076° 12'·13E
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 – 22 (INT 752) – 32 (INT 754) – 220 – 259 (INT 7356) – 260 (INT 7362) – 2029 (INT 7358) – 7071 (INT 71) – 7073 (INT 73) – 7703 (INT 703) – 7706 (INT 706).	
Former INTM 131 (T)/22 is cancelled.	

*117 (T) (12/23)	INDIA – WEST COAST – GULF OF KHAMBHAT – Dahej Harbour – Buoy.
Source: Reliance Dahej Marine Terminal Port Facility.	
1. Narmada River Navigational Channel marker buoy (red color) at position 21° 39'·28N., 072° 33'·55E is withdrawn temporarily for monsoon period.	
2. Mariners are advised to navigate with caution in the area and contact Port authority for latest information.	
Charts affected – 2039 – 2082 – 2110.	

*118 (T) (12/23)		INDIA – WEST COAST – Port Dabhol – Buoys.	
Source: KLL Terminal, Port Dabhol.			
1. Following channel buoys from KLL navigational channel are removed temporarily till 31 st Aug 2023:–			
Buoy Number	Characteristics	Positions	
Fairway	Fl(2)10s	17° 34′.34N	073° 04′.58E
1	Q.G	17° 33′.49N	073° 05′.65E
2	Q.R	17° 33′.64N	073° 05′.74E
3	Fl.G.10s	17° 32′.96N	073° 06′.44E
4	Fl.R.10s	17° 33′.13N	073° 06′.49E
6	Fl(2)R.15s	17° 32′.54N	073° 07′.30E
7	Fl(3)G.10s	17° 32′.02N	073° 07′.71E
8	Fl(3)R.10s	17° 32′.11N	073° 07′.90E
9	VQ	17° 31′.03N	073° 08′.68E
10	Q(9)	17° 31′.13N	073° 08′.84E
GL 11	Fl.G.10s	17° 31′.42N	073° 08′.22E
GL 12	FL.(2)G.15s	17° 31′.23N	073° 08′.41E
2. Mariners are advised to navigate with caution in the area and contact Port authority for latest information.			
Charts Affected – 212 – 256 (INT 7340) – 293 (INT 7022) – 2065.			

***119 (T) (12/23) 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
BD08/OB	17° 48'.90N., 089° 11'.18E
BD09/OB	17° 27'.80N., 089° 08'.75E
BD10/OB	16° 19'.70N., 087° 59'.65E
BD11/OB	13° 28'.10N., 084° 07'.30E
BD12/OB	10° 27'.88N., 094° 07'.23E
BD13/OB	13° 59'.75N., 087° 00'.29E
BD14/OB	06° 35'.87N., 088° 23'.93E
CB01/CB	11° 35'.33N., 092° 35'.77E
CB06/CB	13° 05'.58N., 080° 18'.45E
TB05/TB	10° 09'.67N., 088° 29'.48E
TB06/TB	14° 41'.77N., 089° 33'.17E
TB09/TB	16° 55'.87N., 089° 59'.65E
STB05/TB	13° 28'.20N., 088° 59'.40E

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 065 (T)/23 is cancelled.

***120 (T) (12/23) INDIAN OCEAN - NORTHERN PART - RAMA Buoys.**

Source: NOAA.

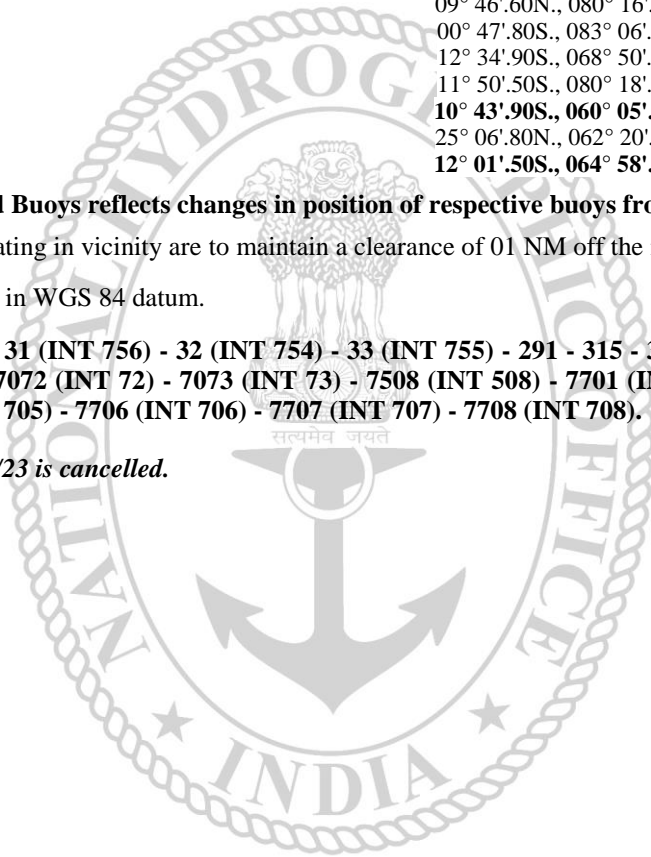
1. The research moored array of African - Asian - Australian Monsoon analysis and prediction (RAMA) buoys laid in following positions:-

Buoy No./Name	Position
RA185A	15° 01'.70N., 089° 02'.50E
RA184A	00° 00'.00N., 089° 57'.60E
RA176A	00° 59'.00S., 100° 22'.90E
RA175A	01° 32'.90S., 080° 34'.00E
RA183A	03° 38'.90N., 072° 12'.20E
RA182A	04° 13'.40N., 066° 42'.20E
RA181A	08° 07'.70S., 110° 32'.90E
RA180A	00° 39'.50S., 073° 07'.10E
RA179A	01° 36'.20S., 066° 49'.60E
RA177A	04° 07'.00S., 057° 10'.90E
RA178A	09° 24'.70S., 051° 07'.10E
RT033	09° 46'.60N., 080° 16'.60E
RT030	00° 47'.80S., 083° 06'.70E
RT029	12° 34'.90S., 068° 50'.60E
RT028	11° 50'.50S., 080° 18'.80E
RT035	10° 43'.90S., 060° 05'.40E
RT032	25° 06'.80N., 062° 20'.00E
RT038	12° 01'.50S., 064° 58'.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 103 (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					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengurla Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS

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

3. DISPLAY ANOMALIES IN ECDIS

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website www.iho.int, to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode. Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html for further information.

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

4. **SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates are published in the fortnightly Indian Notices to Mariners.

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

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

5. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127& 128 respectively. All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN- 127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

6. **USAGE OF THURAYA/ IRIDIUM AND SATELLITE PHONE**

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

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

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

7. **CAUTIONARY NOTE**

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

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

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

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

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

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

List of Indian Chart Agents

OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com	M/s VDO Marine Instruments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in
M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg	SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in
M/s C & C Marine Combine 25 Bank Street, 1 st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in , sales@ccmarine.in	M/s Global Marine Infratech Pvt. Ltd. SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell: - +91-9337477799, 7077702499 Email: tusarkantha@gmiindia.in Web: www.gmiindia.in
M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in	L. R. Marine Services 301, 3rd Floor, Biryra House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com , lrmarine@live.com
M/s Lift o Marine Allen's Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftomarine.org , liftomarine77@gmail.com Web: www.liftomarine.org	IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com
M/s Zenith Surveys (I) Pvt. Ltd. Lakhani'sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com	M/s CNC Office No. S-12-92, Haware's Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: sales@emariner.net

SECTION – V

NAVAREA – VIII WARNINGS IN FORCE.

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

2021 SERIES - 286 478 658 759 833
2022 SERIES - 049 093 117 118 134 162 180 237 253 259 286 313 391 437 445 446 461 476 497 513 519 536 584 601 617 646 651 688 757 824 856 970 997
2023 SERIES - 037 064 104 116 161 162 178 179 205 231 238 240 254 272 276 280 307 386 410 412 424 425 431 455 456 484 489 514 523 524 530 532 533 537 549 553 554 558 561 563 567 568 570 571 572 573 574 575 576

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

538. Cancel NAVAREA VIII MSG 329/23, 363/23, 375/23, 390/23, 438/23, 486/23, 493/23 and this MSG. INTM 11/23, 106(T), 108(T) refers.
539. Cancel NAVAREA VIII MSG 535/23 and this MSG.
540. India East Coast - off Visakhapatnam. Charts IN 31 354 391 INT 756. Subsurface firing scheduled from 050100 UTC to 061300 UTC Jun 23 in danger area bounded within 16-30N to 17-30N and 083-30E to 084-30E. Wide berth from area advised. 2. Cancel this MSG 061400 UTC Jun 23.
541. Bay of Bengal. Charts IN 31 32 7706 INT 706. Firing scheduled from 060030 UTC to 081230 UTC Jun 23 in danger area bounded by 15-30N 083-24E, 15-08N 084-24E, 15-34N 084-46E, 16-14N 084-00E. Wide berth from area advised. 2. Cancel this MSG 081330 UTC Jun 23.
542. Andaman Sea - off Cinque I. Charts IN 33 405 473 4030 INT 7031. Firing scheduled from 040730 UTC to 041200 UTC and 050130 UTC to 050730 UTC Jun 23 in danger area bounded by 11-15N 092-31E, 11-14N 092-46E, 11-10N 092-46E, 11-07N 092-32E. Wide berth from area advised. 2. Cancel this MSG 050830 UTC Jun 23.
543. NAVAREA VIII - Warnings in force as on 02 Jun 2023. 2021 Series - 286 340 478 658 759 833 2022 Series - 049 093 117 118 134 162 180 237 253 259 286 313 391 437 445 446 461 476 497 513 519 536 546 584 601 617 646 651 656 688 757 824 856 970 980 997 2023 Series - 037 064 104 116 161 162 172 178 179 205 231 238 240 254 272 276 280 307 386 402 410 412 424 425 431 455 456 459 473 480 484 489 492 505 514 516 523 524 525 526 529 530 531 532 533 534 536 537 539 540 541 542 (a) NAVAREA VIII warnings less than 42 days promulgated via safetynet. (b) Text of NAVAREA VIII warning in force including those which no longer broadcast available in www.hydrobharat.gov.in . 2. Cancel this MSG 091000 UTC Jun 23.
544. India East Coast - off Visakhapatnam. Charts IN 31 391 7706 INT 756. Subsurface firing scheduled from 050100 UTC to 061300 UTC Jun 23 in danger area bounded by 17-08N 083-29E, 16-30N 084-30E, 15-30N 084-30E, 15-29.20N 082-29.70E. Wide berth from area advised. 2. Cancel this MSG 061400 UTC Jun 23.
545. Indian Ocean - off Colombo. Charts IN 32 264 7706 INT 754. Partially submerged fishing trawler reported adrift in approximate position 06-18.16N 079-27.69E at 022345 UTC Jun 23. 2. Cancel this MSG 052345 UTC Jun 23.
546. India West Coast - off Porbandar. Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 07 Jun 23

546. Continued.
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 070930 UTC Jun 23.
547. Andaman Sea - off Barren I. Charts IN 41 473 7706 INT 7031. Firing by CG aircraft scheduled on 06 Jun 23 from 0745 to 0945 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.
2. Cancel this MSG 061045 UTC Jun 23.
548. India West Coast – Okha. Charts IN 21 202 203 2068 INT 7319. Firing scheduled on 06 Jun 23 from 0530 to 0730 UTC in danger sector extending upto 12 nm within bearing 305 and 025 from 22-28.45N 069-04.08E. Wide berth from area advised.
2. Cancel this MSG 060830 UTC Jun 23.
549. India East Coast - off Chennai. Charts IN 32 313 356 357 INT 7397. Normand clipper progressing submarine cable laying along 12-43.30N 080-35.03E, 12-42.97N 080-35.27E, 12-42.12N 080-35.91E, 12-35.46N 080-41.56E, 12-24.36N 081-14.08E, 12-06.67N 081-53.66E, 11-49.00N 082-33.22E, 11-40.50N 082-59.74E, 11-31.41N 083-29.74E. Wide berth requested.
2. Cancel this MSG 171830 UTC Jun 23.
550. Andaman Sea - off Little Nicobar I. Charts IN 41 409 472 INT 7032. Firing by IAF aircraft scheduled 06 to 07 Jun 23 from 0130 to 1030 UTC in danger area bounded within 07-22N to 07-31N and 093-31E to 093-48E. Wide berth from area advised.
2. Cancel this MSG 071130 UTC Jun 23.
551. Bay of Bengal - off Balasore. Charts IN 31 7073 7706 INT 706. Experimental flight trials scheduled 07 and 08 Jun 23 from 1230 to 1530 UTC in danger area bounded by 20-48.36N 087-02.58E, 18-14.71N 085-34.55E, 05-26.65N 085-46.01E, 05-52.58N 091-01.05E, 18-31.81N 089-02.15E, 20-48.76N 087-07.4E, 20-48.36N 087-02.58E. Wide berth from area advised.
2. Cancel this MSG 081630 UTC Jun 23.
552. India West Coast - Gopnath Point. Charts IN 207 254 INT 7331. DGPS (21-12.25N 072-06.64E) transmission will be switched off from 060130 UTC to 081430 Jun 23 for maintenance.
2. Cancel this MSG 081430 UTC Jun 23.
553. India West Coast. Charts IN 22 256 293 INT 7340. Rig move. Gd Chetna (18-09.23N 072-20.16E). Refer to 106(T) of INTM 11/23. Wide berth requested.
554. India West Coast - off Kochi. Charts IN 22 220 260 INT 7362. Firing by aircraft scheduled 07 to 21 Jun 23 from 0300 to 0700 UTC in danger area bounded by 09-50N 076-08E, 09-55N 076-06E, 09-54.03N 076-01.01E, 09-46.52N 076-03.30E. Wide berth from area advised.
2. Cancel this MSG 210800 UTC Jun 23.
555. Southern Indian Ocean. Charts IN 7070 7071 7073 INT 73. Rocket debris predicted in area bounded by 13-19S 087-51E, 08-01S 088-54E, 08-07S 089-27E, 13-25S 088-24E from 070300 to 070900 UTC Jun 23. Wide berth from area advised.
2. Cancel this MSG 071000 UTC Jun 23.
556. India West Coast - off Kozhikode. Charts IN 22 219 259 294 INT 7356. Firing scheduled 09 and 10 Jun 23 from 0430 to 1130 UTC in danger area bounded within 11-08N to 11-18N and 075-04E to 075-14E. Wide berth from area advised
2. Cancel this MSG 101230 UTC Jun 23.
557. Lakshadweep Sea - off Kavaratti I. Charts IN 22 268 2023 INT 7353. Firing scheduled on 09 Jun 23 from 0230 to 1130 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.
2. Cancel this MSG 091230 UTC Jun 23.
558. Southern Indian Ocean. Charts IN 7070 7072 INT 72. Space debris predicted from 11 to 17 Jun 23 between 0637 UTC and 1219 UTC in area bounded by 41-54S 016-43E, 31-28S 058-22E, 11-01S 086-09E, 13-19S 087-37E, 34-02S 059-21E, 44-36S 016-57E. Wide berth from area advised.
2. Cancel this MSG 171319 UTC Jun 23.
559. Cancel NAVAREA VIII MSG 340/21, 525/23 and this MSG.
560. India East Coast - Dolphin's Nose. Charts IN 32 308 354 3002 INT 7410. DGPS (17-40.53N 083-17.68E) transmission switched off.
561. India East Coast - off Balasore. Charts IN 31 301 351 3011 INT 7419. Experimental flight trials scheduled 12 to 17 Jun 23 from 0330 to 1230 UTC in danger area bounded by (a) 20-57N 086-54E (b) 21-41N 087-54E (c) 21-31N 087-42E (d) 21-13N 087-23E. Danger area extending up to coastline joining point a and b. Wide berth from area advised.
2. Cancel this MSG 171330 UTC Jun 23.
562. Andaman Sea - off Barren I. Charts IN 41 473 7706 INT 7031. Firing by CG aircraft scheduled on 13 Jun 23 from 0745 to 0945 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.
2. Cancel this MSG 131045 UTC Jun 23.
563. NAVAREA VIII - warnings in force as on 09 Jun 2023.
2021 Series - 286 478 658 759 833

<p>563. Continued.</p> <p>2022 Series - 049 093 117 118 134 162 180 237 253 259 286 313 391 437 445 446 461 476 497 513 519 536 584 601 617 646 651 688 757 824 856 970 997</p> <p>2023 Series - 037 064 104 116 161 162 178 179 205 231 238 240 254 272 276 280 307 386 402 410 412 424 425 431 455 456 473 480 484 489 492 505 514 516 523 524 530 532 533 534 536 537 549 553 554 556 558 560 561 562</p> <p>(a) NAVAREA VIII warnings less than 42 days promulgated via safetynet.</p> <p>(b) Text of NAVAREA VIII warning inforce including those which no longer broadcast available in www.hydrobharat.gov.in.</p> <p>2. Cancel this MSG 161000 UTC Jun 23.</p>
<p>564. India West Coast - off Porbandar. Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 14 Jun 23 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.</p> <p>2. Cancel this MSG 140930 UTC Jun 23.</p>
<p>565. India East Coast - off Sagar I. Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled on 15 Jun 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.</p> <p>2. Cancel this MSG 151130 UTC Jun 23.</p>
<p>566. India West Coast – Porbandar. Charts IN 204 252 2040 INT 7325. DGPS (21-37.33N 069-37.19E) transmission will be switched off from 130130 UTC to 151430 UTC Jun 23 for maintenance.</p> <p>2. Cancel this MSG 151430 UTC Jun 23.</p>
<p>567. Andaman Sea - off Barren I. Charts IN 41 473 7706 INT 7031. Firing by CG aircraft scheduled on 16 Jun 23 from 0745 to 0945 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised</p> <p>2. Cancel this MSG 161045 UTC Jun 23.</p>
<p>568. India East Coast - off Chennai. Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 16 Jun 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.</p> <p>2. Cancel this MSG 161230 UTC Jun 23.</p>
<p>569. Cancel NAVAREA VIII MSG 560/23, 566/23 and this MSG.</p>
<p>570. India West Coast - off Alappuzha. Charts IN 22 7706 INT 752. Firing scheduled 16 and 17 Jun 23 from 0430 to 1130 UTC in danger area bounded within 09-18N to 09-28N and 075-11E to 075-21E. Wide berth from area advised.</p> <p>2. Cancel this MSG 171230 UTC Jun 23.</p>
<p>571. India East Coast. Charts IN 31 355 391 INT 7405. Rig move. West Polaris (16-23.04N 082-21.63E). Refer to 108(T) of INTM 11/23. Wide berth requested.</p>
<p>572. India West Coast - off Porbandar. Charts IN 21 292 7705 INT 7021. Itb12 buoy deployed at 19-53.08N 066-59.46E reported adrift. Last known position 19-44.02N 067-18E at 131300 UTC Jun 23</p> <p>2. Cancel this MSG 161300 Jun 23</p>
<p>573. India West Coast – Kochi. Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled 17 and 18 Jun 23 from 0430 to 0830 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised.</p> <p>2. Cancel this MSG 180930 UTC Jun 23.</p>
<p>574. India West Coast. Charts IN 22 222 260 2012 INT 7362. Vizhinjam Racon (08-22.97N 076-58.78E) not operational In X and S band.</p>
<p>575. India West Coast - Gulf of Kachchh. VTS radars switched off view cyclone biporjoy.</p> <p>2. Cancel this MSG 171830 UTC Jun 23.</p>
<p>576. India East Coast. Charts IN 31 355 391 INT 7405. Rig move. DDKG 1 (16-32.16N 082-33.78E). Refer to 108(T) of INTM 11/23. Wide berth requested.</p>

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII

CORRECTINS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteri stics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7681	Bandar e Shiu	27 04.77 N 53 08.65 E	FI(2)W 12s *	18	12	Red and white metal tower	. .
D7681.5	Bandar e Moqam	26 58.27 N 53 28.27 E	FI(2)W 12s *	20	12
D7715.3	Bandar-e Jask. E Breakwater. Head	25 39.56 N 57 49.14 E	FI R 5s *	. .	5	Red □ on red beacon tower	. .
*	*	*	*	*	*	*	*
D7716	Bandar-e Jask. E Breakwater. Head	25 39.49 N 57 49.16 E	FI G 5s *	. .	5	Green Δ on green beacon tower	. .
*	*	*	*	*	*	*	*

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

(Last correction: Edition No. 09 dated 01 May 2023)

NIL

INP 31(2), 2019

(Last correction: Edition No. 11 dated 01 Jun 2023)

NIL

INP 31(5), 2017

(Last correction: Edition No. 24 dated 16 Dec 2021)

NIL

INP 31(6), 2018

(Last correction: Edition No. 10 dated 16 May 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.

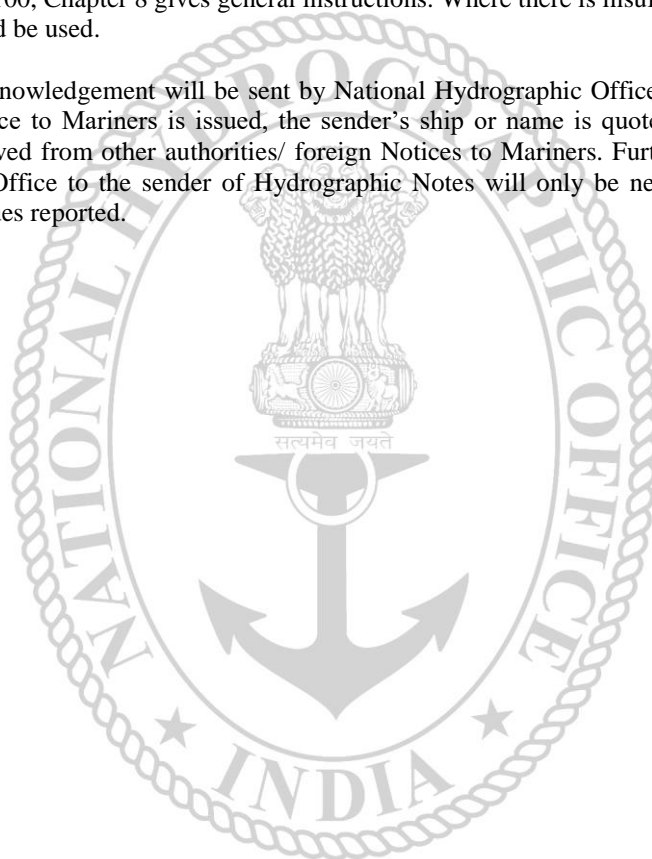
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be 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, ENC's and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry		<input type="checkbox"/> Nav. Dangers		<input type="checkbox"/> Nav. aids
	<input type="checkbox"/> Designated Areas		<input type="checkbox"/> Others		
Geographical Position (See Instructions Overleaf)	Latitude		Longitude		
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected			Edition		
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected			Edition		
Page No./Light No. etc					
Details:					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

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

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

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



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC