INDIAN
NOTICES TO MARINERS

EDITION NO. 05 DATED 01 MAR 2021

(CONTAINS NOTICES 070 TO 086)

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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. Sl Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

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

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

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

(a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.

(b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.

(c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.

(d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted**.**

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

Radio Navigational Warnings.

(a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.

(b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.

(c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.

(d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

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

(a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation and

(b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

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

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

Use of Global Positioning System (WGS 84) positions.

(a) The positions of hydrographic objects shown on some of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).

(b) Wherever these differences have been ascertained, their average values are published as a Cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.

(c) These datum shift values are not uniform, particularly in areas off Andaman and Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENCs AND PUBLICATION

1. The new Indian Chart that is available for mariners in the market are as follows:-

Chart No.	*Date of Publication*	*Title, Limits & Description*	*Scale*	*Folio*	*Price*
293	**31-01-2021**	**MUMBAI TO KARWAR** **LIMIT** **14° 40'.00N; 67° 24'.00E.** **19° 00'.00N; 74° 20'.00E.**	**7,50,000**	3	**Rs. 1950.00**
294	**31-01-2021**	**KARWAR TO BEYPORE** **LIMIT** **10° 40'.00N; 69° 10'.00E.** **15° 10'.00N; 76° 05'.00E.**	**7,50,000**	4	**Rs. 1950.00**
4103	**15-04-2020**	**TEMPLE SOUND** **LIMIT** **13° 22'.20N; 92° 42'.50E.** **13° 30'.80N; 92° 56'.00E.**	**25,000**	6	**Rs. 1950.00**

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

Chart No.	*Date of Publication*	*Title, Limits & Description*	*Scale*	*Folio*	*Price*
-NIL -					

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

Chart No.	*Date of Publication*	*Title*	*On Publication of New Chart/ Edition*	*Date of Publication*
293	**15-04-2018**	**MUMBAI TO NEW MANGOLORE**	**293**	**31-01-2021**
4003	**31-07-2003**	**TEMPLE SOUND**	**4103**	**15-04-2020**

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

ENC Cell Name	*Chart No.*	*Title*	*Issue Date*
IN2293AB	**293**	**MUMBAI TO KARWAR**	**23-02-2021**
IN2294AA	**294**	**KARWAR TO BEYPORE**	**23-02-2021**
IN54102A	**4102**	**WEST ISLAND**	**23-02-2021**
IN54103A	**4103**	**TEMPLE SOUND**	**23-02-2021**

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

ENC Cell Name	*Chart No.*	*Title*	*Issue Date*
IN2353KG	**353**	**KALINGAPATNAM TO GOPALPUR**	**24-02-2021**
IN43002P	**3002**	**APPROACHES TO VISAKHAPATNAM**	**25-02-2021**

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

ENC Cell Name	*Chart No.*	*Title*	*Issue Date*
IN2293MT	**293**	**MUMBAI TO KARWAR**	**11-05-2020**
IN2353KG	**353**	**KALINGAPATNAM TO GOPALPUR**	**14-09-2010**
IN43002P	**3002**	**APPROACHES TO VISAKHAPATNAM**	**29-12-2015**
IN54003E	**4003**	**TEMPLE SOUND**	**07-03-2019**
IN54102W	**4102**	**WEST ISLAND**	**08-02-2019**

7. The forthcoming Indian Charts are as follows:-

Chart No	*Title*	*Scale*	*Remarks*
	-NIL-		

Availability of ENCs

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

United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: www.hydro.gov.uk	**Navico Norway AS** Elganeveien 1, 4370 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: enc@c-map.com, info@c-map.co.no Website: www.c-map.com
M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: data@ecc.no Website: - www.primar.org	**M/s IIC Technologies Limited** B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel:+91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com

SECTION – I

The list of charts affected by the Notices 070 to 086 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	086(T)
22 (INT 752)	3	073, 079
31 (INT 756)	5	077, 078, 082(T), 084(T), 085(P), 086(T)
32 (INT 754)	5	084(T), 085(P), 086(T)
33 (INT 755)	5	075, 076, 078, 084(T), 086(T)
41 (INT 757)	6	075, 076, 082(T), 083(T), 084(T)
202	2	080(T)
203 (INT 7319)	2	071
210	3	080(T)
211	3	080(T)
214	3	072, 078
215	3	078
219	4	078
220	4	078
251 (INT 7318)	2	080(T)
252 (INT 7325)	2	078
253 (INT 7328)	2	078, 080(T)
254 (INT 7331)	3	080(T)
255 (INT 7334)	3	080(T)
256 (INT 7340)	3	080(T)
257 (INT 7343)	4	078
258 (INT 7348)	4	078
259 (INT 7356)	4	078
260 (INT 7362)	4	078
271	2	080(T)
272	4	070
273	4	073
291	2	078, 086(T)
292 (INT 7021)	2	080(T)
293 (INT 7022)	3	080(T)
305	5	078
308 (INT 7409)	5	074, 078
313	5	078, 084(T)
352 (INT 7416)	5	078
353 (INT 7413)	5	078
354 (INT 7408)	5	074, 078, 081(T)
355 (INT 7405)	5	081(T), 085(P)
356 (INT 7400)	5	078, 084(T)
357 (INT 7397)	5	078, 084(T)
391	5	074, 078, 081(T), 084(T), 085(P)
402 (INT 7436)	6	079
404 (INT 7439)	6	084(T)
405 (INT 7440)	6	075, 084(T)
406 (INT 7443)	6	078

407 (INT 7445)	6	078
472 (INT 7032)	6	078, 084(T)
473 (INT 7031)	6	075, 084(T)
2020	3	072
2022 (INT 7345)	3	072, 078
2051 (INT 7333)	2	071
2060 (INT 7332)	2	071
2068	2	071
2078 (INT 7346)	3	072
3001 (INT 7402)	5	078, 084(T)
3002 (INT 7410)	5	078
3004 (INT 7403)	5	084(T)
3042	5	081(T)
4039	6	076
4115	6	084(T)
4182	6	076
7071 (INT 71)	1	086(T)
7073 (INT 73)	1	086(T)
7702 (INT 702)	1	086(T)
7703 (INT 703)	1	086(T)
7706 (INT 706)	1	086(T)
7707 (INT 707)	1	086(T)

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SECTION – II

PERMANENT NOTICES

***070 (05/21) ARABIAN AND LAKSHADWEEP SEAS – Cora Divh to Elikalpeni Bank – Accompanying note.**

Source: NHO, Dehradun.

Chart 272 [*previous update 060/21*]

Substitute	accompanying note, "UNDERLYING DANGERS" for existing, centered on:	13° 05′·61N., 75° 32′·08E.

***071 (05/21) INDIA – WEST COAST – Salaya Harbour – Pilot Boarding Station.**

Source: Essar Bulk Terminal Ltd.

Chart 203 (INT 7319) [*previous update 031/21*]

Insert	*Capesize Vessel*	22° 31′·26N., 069° 31′·21E.

Chart 2068 [*previous update 041/21*]

Insert	*Capesize Vessel*	22° 31′·30N., 069° 31′·20E.

Chart 2060 (INT 7332) (App. to Salaya) [*previous update 235/20*]

Insert	*Capesize Vessel*	22° 31′·30N., 069° 31′·20E.

Chart 2051 (INT 7333) [*previous update 235/20*]

Insert	*Capesize Vessel*	22° 31′·30N., 069° 31′·20E.

***072 (05/21) INDIA – WEST COAST – Mormugao and Panji – Pilot Boarding Area.**

Source: Mormugao Port Trust.

Chart 214 [*previous update 044/21*]

Insert	*Fair Weather*	15° 24′·52N., 73° 43′·05E.
	Monsoon Season	15° 25′·23N., 73° 47′·75E.
Delete		15° 24′·62N., 73° 44′·19E.

Chart 2022 (INT 7345) [*previous update 051/20*]

Insert	*Fair Weather*	15° 24′·52N., 73° 43′·05E.
	Monsoon Season	15° 25′·23N., 73° 47′·75E.
Delete		15° 24′·62N., 73° 44′·19E.

Chart 2020 [*previous update 051/20*]

Insert	*Fair Weather*	15° 24′·52N., 73° 43′·05E.
	Monsoon Season	15° 25′·23N., 73° 47′·75E.
Delete		15° 24′·62N., 73° 44′·19E.

Chart 2078 (INT 7346) [*previous update 051/20*]

Insert	*Monsoon Season*	15° 25′·23N., 73° 47′·75E.
Delete		15° 24′·62N., 73° 44′·19E.

***073 (05/21) ARABIAN AND LAKSHADWEEP SEAS – INDIA AND MALDIVES – kadmat Island to Ihavandiffulu Atoll – Buoy.**

Source: IH-102, INS Sarvekshak.

Chart 22 (INT 752) [*previous update 054/21*]

Delete 08° 09′·69N., 072° 49′·49E.

Chart 273 [*previous update 168/20*]

Delete 08° 09′·69N., 072° 49′·49E.

***074 (05/21) INDIA – EAST COAST – Outer Approaches to Visakhapatnam – Beacon.**

Source: INS Nirupak.

Chart 391 [*previous update 209/20*]

Delete (176) 17° 27′·35N., 082° 56′·80E.

(25) 17° 23′·70N., 082° 49′·00E.

(80) Kavulavada 17° 58′·00N., 083° 31′·00E.

Chart 354 (INT 7408) [*previous update 054/21*]

Delete (176) Ramballi 17° 27′·35N., 082° 56′·80E.

(25) Revu Polavaram 17° 23′·70N., 082° 49′·00E.

(80) Kavulavada Bn 17° 58′·00N., 083° 31′·00E.

Chart 308 (INT 7409) [*previous update 139/20*]

Delete BN (176) 17° 27′·35N., 082° 56′·80E.

BN (25) 17° 23′·70N., 082° 49′·00E.

Kavulavada BN (80) 17° 58′·00N., 083° 31′·00E.

***075 (05/21) INDIA – ANDAMAN SEA – ANDAMAN ISLANDS – Port Blair to Little Andaman I – Buoy.**

Source: DLL, Port Blair.

Chart 33 (INT 755) [*previous update 065/21*]

Insert

Fl(2).5s 11° 08′·52N., 093° 30′·35E.

Chart 41 (INT 757) [*previous update 066/21*]

Insert

Fl(2).5s 11° 08′·52N., 093° 30′·35E.

Chart 473 (INT 7031) [*previous update 034/21*]

Insert

Fl(2).5s 11° 08′·52N., 093° 30′·35E.

Chart 405 (INT 7440) [*previous update 034/21*]

Insert

Fl(2).5s 11° 08′·45N., 093° 30′·45E.

***076 (05/21) INDIA – ANDAMAN SEA – NICOBAR ISLANDS – Cambell Bay – Wreck.**

Source: NHO, Dehradun.

Chart 41 (INT 757) [*previous update 075/21*]

Insert 06° 59′·80N., 093° 57′·20E.

Chart 33 (INT 755) [*previous update 075/21*]

Insert 06° 59′·80N., 093° 57′·20E.

Chart 4182 [*previous update 125/16*]

Insert 06° 59′·80N., 093° 57′·20E.

Chart 4039 [*previous update 071/15*]

Insert 06° 59′·80N., 093° 57′·20E.

***077 (05/21) INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnan to Bassein River) – Wreck.**

Source: BNHOC Notice No 07/2021

Chart 31 (INT 756) [*previous update 064/21*]

Insert 21° 49′·70N., 091° 29′·20E.

***078 (05/21) INDIAN OCEAN NORTHERN PART – Accompanying Note, Subamarine Exercise Area and Legend.**

Source: NHO, Dehradun.

Chart 33 (INT 755) [*previous update 076/21*]

Substitute	accompanying note, “FIRING PRACTICE AREA” for “SUBMARINE EXERCISE & FIRING PRACTICE AREA”, centered on:	13° 45′·00N., 086° 45′·00E.
	legend, “*Firing Practice Area*” for “*Submarine Exercise & Firing Practice Area*”, centered on:	12° 45′·00N., 080° 36′·00E

Chart 31 (INT 756) [*previous update 077/21*]

Delete	accompanying note, “SUBMARINE EXERCISE AREAS”, centered on:	20° 16′·00N., 082° 48′·00E.
	legend, “*Submarine Exercise Areas (see Note)”,* centered on:	17° 34′·00N., 083° 32′·00E

Chart 41 (INT 757) [*previous update 076/21*]

Delete	accompanying note, “Submarine Exercise Area”, centered on:	15° 11′·00N., 099° 41′·00E
	Submarine Exercise Area, – – – – – – – –; joining:	09° 24′·00N., 092° 19′·00E.
		10° 23′·00N., 092° 19′·00E
		10° 23′·00N., 093° 20′·00E
		09° 24′·00N., 093° 20′·00E
		09° 24′·00N., 092° 19′·00E
	legend, “*Submarine Exercise Area (see Note)”,* centered on:	10° 06′·00N., 092° 47′·00E

***078 (05/21) INDIAN OCEAN NORTHERN PART – Accompanying Note, Subamarine Exercise Area and Legend (Continued).**

Chart 291 [*previous update 042/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	25° 12′·50N., 067° 35′·00E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	24° 37′·50N., 062° 27′·50E
		24° 43′·00N., 064° 49′·00E
		24° 27′·10N., 066° 33′·50E
		23° 22′·00N., 065° 45′·50E
		23° 25′·20N., 063° 30′·50E

Chart 391[*previous update 074/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA", centered on:	17° 43′·60N., 080° 32′·80E
	legend, "*Submarine Exercise Area (see Note)",* centered on:	17° 32′·00N., 083° 39′·50E
		17° 02′·00N., 083° 22′·00E
		12° 57′·00N., 080° 35′·00E
		12° 43′·00N., 080° 30′·00E

Chart 472 (INT 7032) [*previous update 065/21*]

Delete	accompanying note, "Submarine Exercise Area", centered on:	06° 18′·90N., 091° 48′·70E
Delete	legend, "*Submarine Exercise Area (see note)",* centered on:	10° 05′·25N., 092° 50′·00E
	Submarine Exercise Area, – – – – – – – –; joining:	09° 24′·00N., 092° 19′·00E.
		10° 23′·00N., 092° 19′·00E
		10° 23′·00N., 093° 20′·00E
		09° 24′·00N., 093° 20′·00E
		09° 24′·00N., 092° 19′·00E

Chart 252 (INT 7325) [*previous update 042/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	21° 58′·60N., 070° 15′·20E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	21° 02′·50N., 068° 36′·10E
		21° 00′·40N., 069° 34′·40E

Chart 253 (INT 7328) [*previous update 167/20*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	19° 31′·15N., 069° 00′·00E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	21° 01′·15N., 069° 34′·45E

Chart 257 (INT 7343) [*previous update 044/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA", centered on:	15° 35′·00N., 074° 27′·00E
	legend, "*SUBMARINE EXERCISE AREA (see Note)*", centered on:	15° 20′·90N., 073° 03′·50E
		15° 01′·75N., 073° 30′·00E

Chart 258 (INT 7348) [*previous update 053/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA", centered on:	13° 18′·60N., 075° 39′·60E

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***078 (05/21) INDIAN OCEAN NORTHERN PART – Accompanying Note, Subamarine Exercise Area and Legend (Continued).**

Chart 259 (INT 7356) [*previous update 168/20*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA", centered on:	11° 11′·00N., 076° 21′·50E
	legend, "*Submarine Exercise Area (see Note)*", centered on:	10° 54′·20N., 075° 35′·70E
		09° 56′·00N., 075° 47′·50E
		09° 17′·70N., 074° 49′·80E

Chart 260 (INT 7362) [*previous update 168/20*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	09° 20′·00N., 077° 24′·50E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	09° 55′·90N., 075° 47′·50E

Chart 313 [*previous update 074/20*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	13° 15′·20N., 080° 05′·60E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	13° 14′·60N., 080° 42′·20E
		13° 00′·40N., 080° 29′·20E
		12° 56′·40N., 080° 36′·20E
		12° 42′·60N., 080° 30′·80E

Chart 352 (INT 7416) [*previous update NE 31 AUG 2020*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	20° 15′·80N., 085° 15′·00E
	legend, *"SUBMARINE EXERCISE AREA (see Note)",* centered on:	19° 14′·00N., 085° 33′·00E

Chart 353 (INT 7413) [*previous update 080/20*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	19° 28′·00N., 084° 10′·00E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	19° 16′·00N., 085° 33′·30E

Chart 354 (INT 7408) [*previous update 074/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	19° 46′·00N., 082° 25′·00E
	legend, *"SUBMARINE EXERCISE AREA (see Note)",* centered on:	17° 32′·30N., 083° 34′·50E
		17° 01′·50N., 083° 21′·50E

Chart 356 (INT 7400) [*previous update 082/18*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	14° 53′·70N., 081° 30′·00E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	12° 56′·60N., 080° 35′·80E
		12° 41′·80N., 080° 30′·50E

Chart 357 (INT 7397) [*previous update 178/19*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	12° 36′·70N., 079° 44′·40E
	legend, "*Submarine Exercise Area (see Note)",* centered on:	12° 56′·00N., 080° 36′·00E
		12° 42′·20N., 080° 32′·80E

***078 (05/21) INDIAN OCEAN NORTHERN PART – Accompanying Note, Subamarine Exercise Area and Legend (Continued).**

Chart 214 [*previous update 072/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	15° 41′·00N., 073° 57′·20E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	15° 22′·60N., 073° 27′·40E
		15° 20′·60N., 073° 03′·40E.

Chart 215 [*previous update 083/19*

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	15° 08′·20N., 074° 15′·00E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	15° 00′·60N., 073° 27′·80E
		15° 20′·60N., 073° 03′·40E.

Chart 219 [*previous update 147/20*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	11° 29′·00N., 075° 55′·00E
	legend, "*Submarine Exercise Area (see Note)",* centered on:	10° 53′·60N., 075° 40′·60E

Chart 220 [*previous update 214/19*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	10° 43′·80N., 076° 15′·00E
	legend, "*Submarine Exercise Area (see Note)",* centered on:	10° 53′·60N., 075° 40′·50E
		09° 55′·80N., 075° 45′·80E

Chart 305 [*previous update 063/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	19° 19′·40N., 084° 43′·90E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	19° 13′·70N., 085° 33′·20E

Chart 308 (INT 7409) [*previous update 074/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	17° 52′·20N., 082° 50′·00E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	17° 37′·40N., 083° 33′·00E
		17° 20′·00N., 083° 22′·00E

Chart 406 (INT 7443) [*previous update 150/20*]

Delete	accompanying note, "Submarine Exercise Area" , centered on:	10° 49′·20N., 092° 53′·00E
	legend, "*Submarine Exercise Area (see Note)",* centered on:	10° 22′·90N., 092° 38′·00E
		10° 05′·30N., 092° 19′·30E
	Submarine Exercise Area, – – – – – – – – ; joining:	09° 45′·40N., 092° 19′·10E.
		10° 23′·08N., 092° 19′·10E
		10° 23′·08N., 093° 00′·00E

Chart 407 (INT 7445) [*previous update 065/21*]

Delete	accompanying note, "Submarine Exercise Area" , centered on:	08° 44′·00N., 092° 30′·00E
	legend, "*Submarine Exercise Area (see Note)",* centered on:	09° 25′·10N., 092° 53′·70E
	Submarine Exercise Area, – – – – – – – – ; joining:	09° 24′·00N., 092° 26′·00E.
		09° 24′·00N., 093° 18′·00E

***078 (05/21) INDIAN OCEAN NORTHERN PART – Accompanying Note, Subamarine Exercise Area and Legend (Continued).**

Chart 2022 (INT 7345) [*previous update 072/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	15° 33′·45N., 073° 48′·15E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	15° 22′·80N., 073° 27′·60E

Chart 3002 (INT 7410) [*previous update 139/20*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	17° 44′·25N., 083° 16′·80E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	17° 37′·20N., 083° 34′·00E

Chart 3001 (INT 7402) [*previous update 052/21*]

Delete	accompanying note, "SUBMARINE EXERCISE AREA" , centered on:	13° 20′·15N., 080° 17′·00E
	legend, "*SUBMARINE EXERCISE AREA (see Note)",* centered on:	13° 00′·15N., 080° 30′·25E

***079 (05/21)**	**Miscellaneous updates to charts.**	
Source: NHO Dehradun.		
Chart No.	**Previous Updates**	**Details**
22 (INT 752)	*073/21*	Insert Chart No. 294 and Magenta limit as follows: 10° 40′·00N., 69° 10′·00E. 10° 40′·00N., 76° 05′·00E. 15° 10′·00N., 76° 05′·00E. 15° 10′·00N., 69° 10′·00E. 10° 40′·00N., 69° 10′·00E.
22 (INT 72)	*073/21*	Insert Chart No. 293 and Magenta limit as follows: 14° 40′·00N., 67° 24′·00E. 14° 40′·00N., 74° 20′·00E. 19° 00′·00N., 74° 20′·00E. 19° 00′·00N., 67° 24′·00E. 14° 40′·00N., 67° 24′·00E.
		Delete Chart No. 293 and Magenta limit as follows: 12° 44′·00N., 70° 20′·00E. 12° 44′·00N., 75° 00′·00E. 19° 30′·00N., 75° 00′·00E. 19° 30′·00N., 70° 20′·00E. 12° 44′·00N., 70° 20′·00E.
402 (INT 7436)	*161/20*	Insert Chart No. 4103 and Magenta limit as follows: 13° 22′·20N., 92° 42′·50E. 13° 22′·20N., 92° 56′·00E. 13° 30′·80N., 92° 56′·00E. 13° 30′·80N., 92° 42′·50E 13° 22′·20N., 92° 42′·50E.
		Delete Chart No. 4003 and Magenta limit as follows: 13° 21′·00N., 92° 46′·50E. 13° 21′·00N., 92° 53′·10E. 13° 29′·60N., 92° 53′·10E. 13° 29′·60N., 92° 46′·50E. 13° 21′·00N., 92° 46′·50E.

Section – III

TEMPORARY AND PRELIMINARY NOTICES

***080 (T) (05/21) INDIA – WEST COAST – Arabian Sea – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban III	18° 01′.05N., 72° 22′.72E.
Aban IV	19° 27′.80N., 71° 16′.83E.
CE Thornton	19° 34′.17N., 71° 25′.12E.
Discovery 1	20° 21′.52N., 72° 01′.44E.
DS Fortune	19° 12′.87N., 72° 06′.78E.
DS Fossil	20° 11′.52N., 71° 52′.25E.
FG Mclintok	19° 24′.05N., 71° 18′.90E.
Foresight Driller IX	18° 55′.88N., 72° 18′.31E.
Great Drill Chaaya	18° 32′.95N., 72° 15′.97E.
Great Drill Chaaru	19° 36′.38N., 71° 47′.81E.
Great Drill Chetna	22° 33′.31N., 68° 26′.35E.
Great Drill Chitra	19° 14′.44N., 70° 58′.88E.
Harvey H Ward	18° 55′.81N., 72° 00′.92E.
Jindal Explorer	18° 39′.22N., 70° 58′.86E.
Jindal Star	19° 34′.26N., 71° 49′.95E.
Jindal Supreme	19° 16′.50N., 71° 28′.45E
JT Angel	19° 36′.62N., 71° 22′.90E.
Parameswara	20° 06′.74N., 71° 42′.27E.
Ron Tappmeyer	18° 08′.15N., 72° 25′.28E.
Sagar Bhushan	19° 13′.40N., 71° 13′.75E.
Sagar Gaurav	19° 22′.48N., 71° 21′.59E.
Sagar Jyoti	19° 01′.68N., 72° 21′.87E.
Sagar Kiran	19° 17′.46N., 71° 13′.47E.
Sagar Ratna	19° 23′.54N., 71° 48′.27E.
Sagar Shakti	19° 25′.22N., 71° 24′.97E.
Trident 2	19° 06′.08N., 70° 56′.43E.
Trident 12	19° 01′.60N., 71° 21′.84E.
Valiant Driller	19° 16′.73N., 71° 25′.53E.
Victory Driller	19° 32’.13N., 71° 18′.81E.
Vivekananda 1	18° 55′.59N., 72° 02′.48E.
Vivekananda 2	20° 13′.31N., 71° 54′.79E.
Virtue 1	19° 25′.86N., 71° 12′.20E.

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

3. All positions referred to WGS 84 datum.

Charts Affected – 292 (INT 7021) – 293 (INT 7022) –271 –251 (INT 7318) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 210 – 211 – 202.

Former INTM 067 (T)/21 is cancelled.

***081(T) (05/21) INDIA – EAST COAST – Bay of Bengal – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	**Position**
Aban II	16° 40′·40N., 82° 24′·30E.
Deep Driller 8	16° 40′·13N., 82° 25′·73E.
DDKG 1	16° 31′·69N., 82° 35′·90E.
SSV Louisiana	16° 06′·95N., 82° 19′·78E.
Olinda Star	16° 18′·35N., 82° 18′·59E.
Platinum Explorer	15° 08′·82N., 82° 07′·28E.

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

3. All positions referred to WGS 84 datum.

Charts Affected – 391 – 354 (INT 7408) – 355 (INT 7405) – 3042.

Former INTM 068(T)/21 is cancelled.

***082(T) (05/21) INDIAN OCEAN - Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Survey Operation.**

Source: Myanmar Notice 03/21.

1. Survey operation will be carried out by **MV. ASHICOLAMSON** (Call Sign: **3WVS**) till **31 Mar 2021** in the following positions:-

Sl. No.	Position
(a)	15° 07′·40N., 94° 47′·03E.
(b)	15° 07′·40N., 94° 47′·21E.
(c)	15° 07′·67N., 94° 48′·00E.
(d)	15° 07′·98N., 94° 48′·54E.
(e)	15° 20′·61N., 95° 23′·15E.
(f)	15° 26′·61N., 95° 31′·66E.
(g)	15° 31′·53N., 95° 36′·03E.
(h)	15° 39′·52N., 95° 43′·37E.
(i)	15° 47′·23N., 95° 41′·84E.
(j)	15° 51′·55N., 95° 38′·87E.
(k)	15° 53′·91N., 94° 36′·90E.

2. During the operation period anchoring, fishing and trawling are prohibited within 4 KM from the above mentioned points.

3. Mariners are advised to navigate with caution.

Charts affected – 31 (INT 756) – 41 (INT 757).

***083(T) (05/21) BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Underwater Cable.**

Source: Myanmar Notice 01/21.

1. Telecommunication cable laying will be carried out by RV Garda (Call Sign: YCYR2) and CS Niwa (Call Sign: A6E2964) till **01 Apr 21** in the following positions:-

Points	Position	Points	Position
M2	15° 52′·13N., 096° 36′·56E.	N17	13° 16′·51N., 096° 04′·17E.
N2	15° 51′·68N., 096° 38′·75E.	O1	13° 13′·46N., 096° 01′·16E.
M3	14° 48′·55N., 096° 22′·34E.	P1	13° 13′·11N., 096° 03′·58E.
N3	14° 48′·66N., 096° 24′·95E.	O2	13° 08′·84N., 096° 01′·51E.
M4	14° 10′·61N., 096° 19′·87E.	P2	13° 09′·31N., 096° 03′·70E.
N4	14° 10′·49N., 096° 22′·48E.	O3	13° 06′·43N., 096° 02′·29E.
M5	14° 07′·66N., 096° 21′·20E.	P3	13° 06′·89N., 096° 04′·46E.
N5	14° 08′·25N., 096° 23′·48E.	O4	13° 04′·30N., 096° 02′·58E.
M6	14° 06′·61N., 096° 20′·70E.	P4	13° 04′·45N., 096° 04′·81E.
N6	14° 06′·81N., 096° 23′·74E.	O5	12° 47′·24N., 096° 02′·45E.
M7	14° 04′·79N., 096° 19′·57E.	P5	12° 47′·37N., 096° 04′·69E.
N7	14° 04′·27N., 096° 21′·93E.	O6	12° 41′·59N., 096° 01′·85E.
M8	13° 45′·28N., 096° 18′·30E.	P6	12° 41′·42N., 096° 04′·06E.
N8	13° 45′·04N., 096° 20′·52E.	O7	12° 27′·78N., 095° 59′·67E.

*083(T)(05/21)	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Underwater Cable. (Continued)		
M9	13° 43′·80N., 096° 17′·92E.	P7	12° 27′·60N., 096° 01′·88E.
N9	13° 42′·57N., 096° 19′·90E.	O8	12° 20′·72N., 095° 59′·58E.
M10	13° 42′·67N., 096° 17′·35E.	P8	12° 20′·87N., 096° 01′·80E.
N10	13° 41′·05N., 096° 19′·00E.	O9	12° 06′·93N., 096° 01′·28E.
M11	13° 41′·11N., 096° 15′·21E.	P9	12° 06′·99N., 096° 03′·50E.
N11	13° 39′·77N., 096° 17′·33E.	O10	11° 59′·45N., 096° 00′·76E.
M12	13° 30′·39N., 096° 09′·50E.	P10	11° 59′·19N., 096° 02′·95E.
N12	13° 29′·68N., 096° 11′·94E.	O11	11° 07′·82N., 095° 49′·94E.
M13	13° 27′·25N., 096° 08′·90E.	P11	11° 07′·08N., 095° 52′·04E.
N13	13° 26′·60N., 096° 11′·02E.	O12	11° 00′·62N., 095° 47′·50E.
M14	13° 24′·24N., 096° 07′·55E.	P12	11° 00′·17N., 095° 49′·68E.
N14	13° 23′·37N., 096° 09′·75E.	O13	10° 49′·58N., 095° 46′·45E.
M15	13° 21′·51N., 096° 05′·12E.	P13	10° 48′·97N., 095° 48′·63E.
N15	13° 20′·62N., 096° 07′·60E.	Q1	10° 20′·04N., 096° 42′·18E.
M16	13° 19′·09N., 096° 02′·98E.	R1	10° 20′·86N., 095° 44′·38E.
N16	13° 18′·10N., 096° 05′·10E.	Q2	09° 38′·82N., 095° 40′·61E.
M17	13° 17′·15N., 096° 01′·94E.	R2	09° 38′·95N., 095° 42′·90E.

2. During the cable laying operation period anchoring, fishing and trawling are prohibited within 2 KM from the above mentioned positions.

3. Mariners are advised to navigate with caution and contact local port authority for more information.

Charts affected – 41 (INT 757).

Former INTM 243 (T)/20 is cancelled.

***084(T) (05/21) INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.**

Source: NIOT, Chennai.

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

Buoy No./Name	Position	Chart Affected
BD08/OB	17° 49′·25N., 89° 12′·50E	31(INT 756)
BD09/OB	17° 30′·13N., 89° 08′·28E	31(INT 756)
BD10/OB	16° 18′·32N., 87° 59′·20E	31(INT 756)
BD11/OB	13° 28′·03N., 84° 07′·12E	32 (INT 754), 33 (INT 755), 391
BD12/OB	10° 31′·25N., 94° 05′·15E	41 (INT 757), 472 (INT 7032)
BD13/OB	13° 56′·28N., 86° 59′·82E	33 (INT 755)
BD14/OB	06° 33′·93N., 88° 21′·30E	33 (INT 755)
CB01/CB	11° 35′·33N., 92° 35′·77E	33 (INT 755), 41 (INT 757), 473 (INT 7031), 404 (INT 7439), 405 (INT 7440), 4115
CB06/CB	13° 06′·08N., 80° 18′·93E	32 (INT 754), 33 (INT 755), 356 (INT 7400), 357 (INT 7397), 391, 313, 3001 (INT 7402), 3004 (INT 7403)
TB09/TB	17° 07′·25N., 90° 00′·00E	31(INT 756)
STB05/TB	13° 28′·20N., 88° 59′·40E	33 (INT 755)

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

3. All positions are in WGS 84 datum.

Former INTM 059(T)/21 is cancelled.

***085(P) (05/21) INDIA – EAST COAST – Ramayapatnam to Sacramento Shoal – STP Buoy..**

Source: Reliance Industries Ltd.

1. Installation of STP buoy is in progress at 16° 33′·10N., 82° 35′·70E.

2. Mariners are advised to navigate with caution and contact local port authorities for more information.

Chart affected – 32 (INT 754) – 31 (INT 756) – 391 – 355 (INT 7405)

***086(T) (05/21) INDIAN OCEAN – NORTHERN PART – RAMA Buoys.**

Source: NOAA.

1. Following Research Moored Array for African-Asian-Australian Monsoon Analysis and Prediction (RAMA) bouys laid in following positions:-

Buoy No./Name	Position
RA185A	15° 01′·80N., 89° 03′·30E
RA184A	00° 01′·20S., 89° 51′·50E
RA176A	00° 21′·40N., 92° 52′·40E
RA175A	01° 32′·90S., 80° 34′·00E
RA183A	07° 57′·10N., 67° 05′·80E
RA182A	04° 13′·70N., 66° 41′·50E
RA181A	01° 46′·50N., 66° 41′·00E
RA180A	00° 25′·20N., 67° 00′·30E
RA179A	01° 35′·90S., 66° 48′·10E
RA177A	04° 07′·10S., 57° 11′·10E
RA178A	07° 55′·90S., 54° 50′·30E
RT033	10° 02′·00N., 84° 01′·80E
RT030	00° 47′·80S., 83° 06′·70E
RT029	12° 34′·90S., 68° 50′·60E
RT028	11° 50′·30S., 80° 19′·00E
RT031	04° 01′·70S., 67° 14′·60E
RT023	08° 07′·40S., 66° 55′·40E
RT017	12° 16′·00S., 67° 14′·40E
RT032	25° 06′·80N., 62° 20′·00E

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

3. All positions are in WGS 84 datum.

Chart affected – 21 – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 291 – 7071(INT 71) – 7073(INT 73) – 7702 (INT 702) –7703 (INT 703) –7706 (INT 706) – 7707 (INT 707).

SECTION – IV

MARINE INFORMATION

1. NAVTEX TRANSMISSION

Status of MSI Promulgation by NAVTEX Stations is as follows:-
Mauritius (Cassis) - Operational
Seychelles (Mahe) - 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, There 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

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

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

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

7. CAUTIONARY NOTE

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

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 Insrtuments** Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in
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, 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	**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, Birya 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	

SECTION – V

NAVAREA – VIII WARNINGS IN FORCE

1. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.

2. NAVAREA VIII Warnings in force as on 28 Feb 21:-

2020 SERIES - 116 329 333 384 442 444 480 515 526 593 630 664 690 691 751 753 757 786
2021 SERIES - 016 017 025 030 038 057 067 079 110 113 128 130 136 138 146 147 150 151 152 153 159 161 162 165 167 168 169 170 173 174 175 176 177 178 179 180 181 182

3. NAVAREA VIII Warnings issued during the period from 16 Feb to 28 Feb 21 (both dates inclusive) are as tabulated below:–

146. India West Coast – off Bhavnagar. Charts IN 21 208 254 292 2039 INT 7331. MV Coastal Constructor progressing geotechnical investigation in area bounded within 21-47N to 21-49N and 072-10E TO 072-35E. Wide berth requested.
2. Cancel this MSG 281830 UTC Mar 21.

147. Indian Ocean – off Mauritius. Charts BA 711 712 INT 7737. Salvage operation of MV Wakashio being progressed in vicinity of 20-26.6S 057-44.6E and area bounded by 20-26.1S 057-43.1E, 20-25.1S 057-44E, 20-24S 057-45.5E. Wide berth of 02 NM requested.

148. Cancel NAVAREA VIII MSG 115/21,127/21, 131/21, 135/21,129/21 and this MSG. INTM 067(T)/21, 068(T)/21 of 04/21 refers.

149. Cancel NAVAREA VIII MSG 144/21 and this MSG.

150. India West Coast – off Mumbai. Charts IN 22 255 292 293 INT 7022. RV SW Duchess progressing survey in area bounded by 18-30N 070-50E, 18-12N 070-50E, 18-12N 071-10E, 18-00N 071-10E, 18-00N 070-47E, 18-18N 070-36E. vessel towing 10 streamers of 4.5 NM. Wide berth of over 5.5 NM requested.
2. Cancel NAVAREA VIII MSG 117/21 and this MSG 181830 UTC Mar 21.

151. India West Coast. Charts IN 21 253 255 292 293 INT 7022. Rig move. Virtue-1 (19-25.86N 071-12.2E). Refer to 67(T) of INTM 04/21. Wide berth requested.

152. India West Coast – Mul Dwaraka Port. Charts IN 21 253 292 2055 INT 7021. Hydrographic survey being progressed from 21 Feb to 08 Mar 21 in area bounded within 20-43N TO 20-47N and 070-38E to 070-40.48E. Wide berth requested.
2. Cancel this MSG 081830 UTC Mar 21.

153. India West Coast – off Mumbai. Charts IN 211 255 292 INT 7021. Barge falcon chief progressing hook up activities in area bounded by 18-49.2N 072-09.49E, 18-48.81N 072-28.67E, 18-11.65N 072-27.91E, 18-18.98N 072-08.8E. Wide berth requested.
2. Cancel NAVAREA VIII MSG 066/21 and this MSG 201830 UTC Mar 21.

154. Cancel NAVAREA VIII MSG 145/21 and this MSG.

155. India West Coast – off Mormugao. Charts IN 22 214 215 257 293 INT 7022. Firing scheduled from 230230 UTC to 251130 UTC Feb 21 in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised.
2. Cancel this MSG 251230 UTC Feb 21.

156. India East Coast – Chennai. Charts IN 32 313 356 357 391 3001 3004 3028 INT 7402. Firing scheduled on 23 Feb 21 from 0830 to 0930 UTC in danger sector extending upto 11 NM between bearing 045 and 075 from 13-07.02N 080-18.01E. Wide berth from area advised.
2. Cancel this MSG 231030 UTC Feb 21.

157. India West Coast – Okha. Charts IN 21 202 203 2068 INT 7319. Firing scheduled on 24 Feb 21 from 0530 to 0730 UTC in danger sector extending upto 12 NM within bearing 270 to 020 from 22-28.75N 069-04.05E. Wide berth from area advised.
2. Cancel this MSG 240830 UTC Feb 21.

158. India East Coast – off Chennai. Charts IN 32 313 356 357 INT 7400. Firing by CG aircraft scheduled on 24, 25 Feb 21 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 251230 UTC Feb 21.

159. Bay of Bengal – Rakhine Coast. Charts IN 31 BA 817 INT 7430. MV Fugro Equator progressing survey in area bounded by 19-25.97N 092-19.3E, 19-35.38N 092-30.07E, 19-21.08N 092-43.94E, 19-11.68N 092-33.18E. Wide berth of 02 NM requested.

159. Continued.
2. Cancel this MSG 311830 UTC Mar 21.

160. NAVAREA VIII warnings in force as on 19 Feb 2021:-
2020 Series - 116 329 333 384 442 444 480 515 526 593 630 664 690 691 751 753 757 786
2021 Series - 016 017 025 030 038 057 067 075 079 086 095 096 097 098 108 110 113 123 125 128 130 136 138 142 146 147 150 151 152 153 155 156 157 158 159
(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 261000 UTC Feb 21.

161. India West Coast. Charts IN 21 253 255 292 293 INT 7022. Rig move. Sagar Kiran (19-17.46N 071-13.47E). Refer to 067(T) of INTM 04/21. Wide berth requested.

162. India East Coast. Charts IN 31 355 INT 7405. Rig move. SSV Louisiana (16-06.95N 082-19.78E). Refer to 068(T) of INTM 04/21. Wide berth requested.

163. India West Coast – off Mormugao. Charts IN 22 214 215 256 257 293 INT 7022. Subsurface firing scheduled on 25, 26 Feb 21 from 0230 to 1630 UTC in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised.
2. Cancel this MSG 261730 UTC Feb 21.

164. Andaman Sea – off Barren. Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 25, 26 Feb 21 from 0330 to 0745 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 260845 UTC Feb 21.

165. India West Coast. Charts IN 21 253 255 292 INT 7328. Rig move. CE Thornton (19-34.17N 071-25.12E). Refer to 067(T) of INTM 04/21. Wide berth requested.

166. Cancel NAVAREA VIII MSG 095/21, 096/21 and this MSG.

167. India West Coast – off Mumbai. Charts IN 21 211 255 292 2016 INT 7336. PSV ABS Amelia progressing underwater cable fault investigation in area bounded by 18-57.8N 072-35.17E, 19-00.04N 072-42.85E, 18-57.52N 072-46.14E, 18-56.79N 072-45.31E, 18-59N 072-42.67E, 18-56.76N 072-35.48E. Wide berth requested.
2. Cancel this MSG 141830 UTC Mar 21.

168. Bay of Bengal – off Myanmar. Charts BA 823 830 INT 7438. MV Ashicolamson progressing survey in vicinity of 15-07.39N 094-47.02E, 15-07.4N 094-47.21E, 15-07.66N 094-48E, 15-07.98N 094-48.53E, 15-20.6N 095-23.15E, 15-26.61N 095-31.6E, 15-31.52N 095-36.03E, 15-39.52N 095-43.37E, 15-47.23N 095-41.83E, 15-51.55N 095-38.86E, 15-53.9N 094-36.9E . Wide berth of 02 NM requested.
2. Cancel this MSG 311830 UTC Mar 21.

169. India East Coast. Charts IN 31 354 355 INT 7408. Rig move. Aban II (16-40.4N 082-24.3E). Wide berth requested.

170. Andaman Sea – Car Nicobar. Charts IN 407 4161 INT 7445. Keating point LT (09-15.34N 092-46.51E) operating at reduced range of 10 NM.

171. Bay of Bengal and Indian Ocean. Charts IN 32 7073 7706 7707 INT 707. PSLV-C51 launch from 13-43.9N 080-14.2E scheduled on 28 Feb 21 from 0430 to 0830 UTC.
2. Danger zone as follows:-
Zone-1: circle of 10 NM around launcher.
Zone-2: sector of 15 NM and 60 NM between azimuth 130 and 150 from launch pad.
Zone-3: 11-35N 081-30E, 12-05N 082-00E, 10-50N 082-55E, 10-20N 082-25E.
Zone-4: 09-55N 082-40E, 10-05N 083-15E, 08-10N 083-35E, 08-00N 083-00E.
Zone-5: 02-10S 081-25E, 02-30S 082-45E, 06-15S 081-50E, 05-55S 080-30E.
Zone-6: 32-55S 072-45E, 33-35S 075-20E, 43-05S 072-35E, 42-25S 070-00E.
3. Wide berth from area advised.
4. Cancel this MSG 280930 UTC Feb 21.

172. Indian Ocean – off Somalia. Charts IN 7071 7072 7703 INT 703. Abandoned lifeboat reported adrift 02-13.7S 050-02.1E at 240940 UTC Feb 21.
2. Cancel this MSG 270940 UTC Feb 21.

173. India West Coast. Charts IN 255 292 293 INT 7022. Rig move. Valiant Driller (19-16.73N 071-25.53E). Refer to 067(T) of INTM 04/21. Wide berth requested.

174. India East Coast - off Balasore. Charts IN 31 351 352 3017 3037 INT 756. Firing by IAF scheduled from 01 to 13 Mar 21 from 0330 to 0730 UTC in danger area bounded by (A) 21-41N 087-44E (B) 20-57N 086-53E (C) 20-56N 086-55E (D) 21-02N 087-13E (E) 20-56N 087-16E (F) 20-47N 087-02E (G) 20-48N 086-56E (H) 20-12N 087-19E (J) 20-00N 087-59E (K) 20-35N 087-40E (L) 21-24N 087-38E. Danger area extending upto coastline joining point A and B. Wide berth from area advised.
2. Cancel this MSG 130830 UTC Mar 21.

175. **India East Coast - off Balasore.** Charts IN 31 301 351 3011 INT 7419. Firing by IAF scheduled from 01 to 13 Mar 21 from 0731 to 1115 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.
2. Cancel this MSG 131215 UTC Mar 21.

176. **India West Coast - Kochi.** Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled on (A) 02, 09, 16, 23, 29 Mar 21 from 0900 to 1200 UTC and 1230 to 1430 UTC (B) 05, 12, 19, 26 Mar 21 from 0900 to 1200 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised.
2. Cancel this MSG 291530 UTC Mar 21.

177. **India West Coast - off Daman and Mumbai.** Charts IN 254 255 292 293 INT 7021. Samudra Sarvekshak progressing Geotechnical investigation in vicinity of 20-04.45N 072-27.55E, 20-06.42N 072-15.79E, 20-51.76N 071-58.18E, 18-08.20N 072-19.98E, 19-42.02N 071-37.59E, 21-03.87N 072-21.4E. Wide berth requested.
2. Cancel this MSG 301830 UTC Mar 21.

178. **India West Coast - off Mumbai and Daman.** Charts IN 254 255 292 INT 7021. Barge Scanlay-1 progressing hook up activities at (A) 18-39.55N 071-04.7E from 01 to 15 Mar 21 (B) 20-37.8N 072-07.22E from 15 to 31 Mar 21. Wide berth requested.
2. Cancel this MSG 311830 UTC Mar 21.

179. **NAVAREA VIII - Warnings in force as on 26 Feb 2021:-**
2020 Series - 116 329 333 384 442 444 480 515 526 593 630 664 690 691 751 753 757 786
2021 Series - 016 017 025 030 038 057 067 079 098 108 110 113 123 128 130 136 138 142 146 147 150 151 152 153 159 161 162 165 167 168 169 170 171 172 173 174 175 176 177 178
(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 051000 UTC Mar 21.

180. **Gulf of Mannar - Kanyakumari.** Charts IN 223 262 263 INT 7365. Kanyakumari Racon (08-04.9N 077-32.78E) transmission switched off.

181. **India West Coast - Umargaon.** Charts IN 209 254 292 INT 7331. Umargaon Racon (20-11.75N 072-44.91E) transmission will be switched off from 280330 UTC Feb 21.

182. **Southern Indian Ocean.** Charts IN 7070 7073 INT 70. Space debris predicted 280 NM on either side of centreline joining 27-18S 062-23E, 46-52S 090-17E, 53-10S 120-02E, 52-53S 144-25E, 50-16S 157-27E from 010331 to 010424 UTC and 020219 to 020452 UTC Mar 21.
2. Cancel this MSG 020552 UTC Mar 21.

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

West coast of India Pilot (INP-1)
Chapter - 6 (Page 244)
(Source: MPT Goa)

Article 6.197, delete para 1 and replace by

1 Pilotage is compulsory and vessels should give advance notice of their ETA at least 48 hrs before arrival. During fair weather the pilot boards 2.5 cable NE (15°24′.52N, 73°43′.05E) of the breakwater light (N head) and during monsoon 1¼ miles W (15°25′.23N, 73°47′.75E) of the channel mouth.

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D6795	- *Likoni Floating Bridge*	04 04.37 S 39 39.41 E	Fl G 5s	. .	. .	Pile	. .
D6795.1	- *Likoni Floating Bridge*	04 04.45 S 39 39.35 E	Fl R 5s	. .	. .	Pile	. .
	KING SALMAN COMPLEX						
D7448.11	- N Breakwater Head. A 13	27 32.89 N 49 16.69 E	Oc G 4s	. .	. .	Green Δ on greeen beacon	. .
D7448.12	- E Breakwater Head. A 14	27 32.67 N 49 16.91 E	Oc R 4s	. .	. .	Red □ on red beacon	. .
D7448.13	- N Breakwater. A 15	27 32.50 N 49 16.38 E	Iso G 2s	. .	. .	Green Δ on greeen beacon	. .
D7448.14	- E Breakwater. A 18	27 31.87 N 49 16.40 E	Q R 1s	. .	. .	Red □ on red beacon	. .
D7448.15	- E Breakwater. A 17	27 30.83 N 49 16.41 E	Fl Y 5s	. .	. .	Yellow x on yellow beacon	. .

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019
(*Last correction: Edition No. 11 dated 01 Jun 2020*)

PAGE 22, COAST RADIO STATIONS, INDONESIA (Sumatera).
PALEMBANG (PKC) (2202), Radiotelex frequency table.
Delete table and replace by:

Radiotelex [2202]

	Transmits	Receives	Hours of Watch
	2174.5	2174.5	0000-0100
	2177	2177 2189.5	0130-0200
	4177.5	4177.5	0300-0430
	6268.5	6268.5	0200-0300 0800-0900
	6317	6265.5	0430-0500
	8376.5	8376.5	0600-0700
	8419.5	8379.5	0530-0600
	8436.5	8415	0400-0430 1130-1200
	12520.5	12520.5	1000-1200
	12584.5	12482	0700-0730 1200-1230
	12657	12577.5	0830-0900
	16695	16695	1230-1300
	16812	16688.5	0700-0800 1330-1400

PAGE 22, COAST RADIO STATIONS, INDONESIA (Sumatera).
PANGKAL BALAM (PKC5), Contact table.
Insert Contact table:

PANGKAL BALAM (PKC5)			02°06'.12S 106°07'.82E
MMSI 005251508	DSC VHF MF		
+62 717 9103027		+62 81379350827	

PAGE 24, COAST RADIO STATIONS, INDONESIA (Sumatera).
PLAJU (PKC2), Contact details table.
Insert Contact details table:

PLAJU (PKC2)			03°00'.00S 104°50'.00E
MMSI 005250084	DSC VHF MF HF 8 MHz		
NOTE(S): Only for use by Pertamina vessels			

PAGE 26, COAST RADIO STATIONS, INDONESIA (Sumatera).
SEI PAKNING (PKP5),
Delete entry and replace by

SEI PAKNING (PKC5)			01°24'.72S 102°12'.96E
MMSI 005250090	DSC VHF		
NOTE(S): Only for use by Pertamina vessels			

VHF

	Ch 09 16	H24
	Ch 19	

(Source: BA 8/21) *(5/21)*

INP 31(2), 2019

(*Last correction: Edition No.04 dated 16 Feb 2021*)

Page 44, RADAR BEACONS, KUWAIT (447)
*Insert above "***Ahmadi Lt Buoy**"

Mina Al-Zour Approach Front Ldg Lt	28°43'.71N 48°24'.42E					Z		77950

(Source: BA 08/21) *(05/21)*

NP 31(5), 2017

(Last correction: Edition No. 05 dated 01 Mar 2020)

NIL

INP 31(6), 2018

(Last correction: Edition No. 04 dated 16 Feb 2021)

PAGE 54, INDIA, MORMUGAO, Pilots and Ports,
PROCEDURE, Section (4).
Delete entry and replace by:

(4) Pilot boards in the following positions:
(i) During fair weather: 15°24'.52N 73°43'.05E.
(ii) During monsoon: 15°25'.23N 73°47'.75E.

(Source: MPT Goa) *(05/21)*

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

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

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

Instructions for filling up IH 102

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

Position Reporting

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

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

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

Depth Reporting

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

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

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

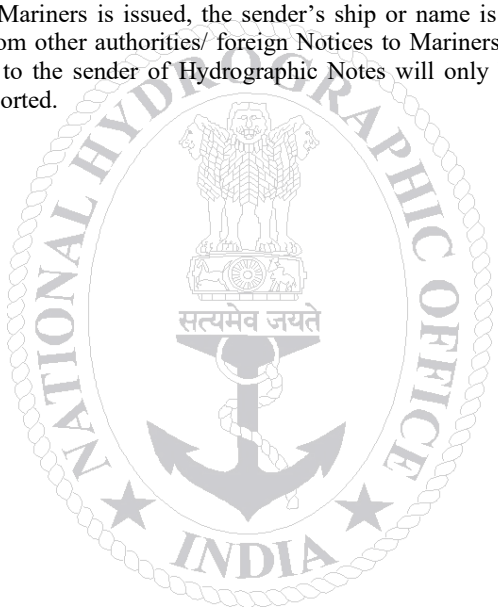
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the chatted 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)	☐ Bathymetry	☐ Nav. Dangers	☐ Nav. aids	
	☐ Designated Areas	☐ Others		
Geographical Position (See Instructions Overleaf)	Latitude		Longitude	
Position Method	☐ DGPS	☐ GPS	☐ Radar	☐ Others
Datum Used	☐ WGS84	☐ Everest	☐ 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	

To accompany Indian Notice to Mariners 070/21

Chart 272

UNDERLYING DANGERS

GANGOLI SHOALS. Numerous rocks, charted and uncharted, exist in the area. Mariners are to exercise utmost caution while navigating in the vicinity.
MULKI ROCK. Due to underlying dangers, vessels navigating in the vicinity of Mulki Rocks are advised not to enter of less than 25 meters.

To accompany Indian Notice to Mariners 078/21

Chart 33 (INT 755)

FIRING PRACTICE AREA

Firing practices take place in the area. For details, see Notices to Mariners Special Edition Notice No 9.

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)

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