



INDIAN NOTICES TO MARINERS



EDITION NO. 05 DATED 01 MAR 2020

(CONTAINS NOTICES 078 TO 094)

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

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INSIST ON INDIAN CHARTS AND
PUBLICATIONS
Original, Authentic and Up-to-Date



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II

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/ defects pertaining to navigational aids, and shortcomings in Indian charts/ publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer
to the Government of India**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is mandatory on all Charts.

Counterfeit products may have errors resulting in potential risks. The same are not approved by inspecting agencies and do not satisfy the carriage requirements of SOLAS chapter V.

Mariners are strongly advised not to use or encourage the use of counterfeit charts and publications. Failure to comply with the warning may invite legal action.

III

EXPLANATORY NOTES

Corrections to Charts and Publications. Section I comprises List of Charts affected by the notices contained in this edition. Whereas sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart 5020 (INT 1).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

Temporary and Preliminary Notices. These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

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

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

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

- (a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

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

Radio Navigational Warnings.

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

IV

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

- (a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation and
- (b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

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

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

Use of Global Positioning System (WGS 84) positions.

- (a) The positions of hydrographic objects shown on some of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist 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, ENC'S AND PUBLICATION

1. 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>
22 (INT 752)	31-07-2019	MUMBAI TO CAPE COMORIN LIMIT 06° 00'.00N; 69° 10'.00E. 19° 30'.00N; 78° 00'.00E.	15,00,000	3	Rs. 1950.00
471	31-07-2019	KATCHALL ISLAND TO SUMATERA LIMIT 03° 40'.00N; 92° 00'.00E. 08° 00'.00N; 95° 45'.00E.	7,50,000	6	Rs. 1950.00
472 (INT 7032)	31-07-2019	NICOBAR ISLANDS LIMIT 06° 15'.00N; 91° 30'.00E. 10° 49'.80N; 94° 30'.40E.	5,00,000	6	Rs. 1950.00
2030	15-12-2019	SRIVARDHAN AND BANKOT ANCHORAGES LIMIT 17° 55'.40N; 72° 50'.00E. 18° 04'.00N; 73° 04'.00E.	25,000	3	Rs. 1950.00

2. 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>
22 (INT 752)	31-07-2019	MUMBAI TO CAPE COMORIN	22 (INT 752)	15-04-2018
471	31-07-2019	KATCHALL ISLAND TO SUMATERA	471	01-07-2003
472 (INT 7032)	31-07-2019	NICOBAR ISLANDS	472 (INT 7032)	31-12-2002
2030	15-12-2019	SRIVARDHAN AND BANKOT ANCHORAGES	2030	30-11-2012

3. 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>
IN122MBC	22	MUMBAI TO CAPE COMORIN	26-02-2020
IN2268LC	268	CENTRAL LAKSHDWEEP	27-02-2020
IN2471SK	471	KATCHALL ISLAND TO SUMATERA	27-02-2020
IN2472NI	472	NICOBAR ISLANDS	27-02-2020
IN52031H	2031	OKHA HARBOUR	27-02-2020
IN43017D	3017	APPROACHES TO DHAMRA RIVER	25-02-2020
IN53038A	3038	APPROACHES TO DHAMRA PORT	25-02-2020

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4. 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>
IN122MBC	22	MUMBAI TO CAPE COMORIN	25-09-2019
IN2268LC	268	CENTRAL LAKSHDWEEP	23-05-2016
IN2471SK	471	KATCHALL ISLAND TO SUMATERA	10-11-2016
IN2472NI	472	NICOBAR ISLANDS	11-11-2016
IN52031H	2031	OKHA HARBOUR	04-03-2014
IN43017D	3017	APPROACHES TO DHAMRA RIVER	27-05-2019
IN53038A	3038	APPROACHES TO DHAMRA PORT	11-06-2019

5. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
272	CORA DIVH TO ELIKALPENI BANK	5,00,000	New Edition
293	MUMBAI TO NEW MANGALORE	7,50,000	New Edition
313	MAMALLAPURAM (MAHABALIPURAM) TO POINT PUDI	1,50,000	New Edition
2007	ANDROTH ISLAND	30,000	New Edition
2038	RAJPUR BAY AND VIJAYDURG HARBOUR	25,000	New Edition
2507	GRAND PORT	12,500	New Edition

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 Nyaskaiveien 2, 4379 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 078 to 094 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	086(T), 087(T), 088(T), 090(T), 091(P), 094(P)
22 (INT 752)	3	087(T), 088(T), 090(T), 091(P), 094(P)
31 (INT 756)	5	083
41 (INT 757)	6	089(T)
202	2	086(T)
207	2	088(T)
210	3	092(T)
211	3	079, 087(T), 091(P), 092(T), 094(P)
214	3	090(T)
251 (INT 7318)	2	086(T)
253 (INT 7328)	2	088(T), 092(T)
254 (INT 7331)	3	088(T), 092(T)
255 (INT 7334)	3	079, 087(T), 088(T), 091(P), 092(T), 094(P)
256 (INT 7340)	3	092(T)
257 (INT 7343)	4	090(T)
268 (INT 7353)	4	090(T)
271	2	086(T)
273	4	090(T)
291	2	086(T)
292 (INT 7021)	2	079, 087(T), 088(T), 090(T), 091(P), 092(T), 094(P)
293 (INT 7022)	3	079, 087(T), 088(T), 090(T), 091(P), 092(T), 094(P)
308 (INT 7409)	5	080
351 (INT 7419)	5	082, 083
353 (INT 7413)	5	080
354 (INT 7408)	5	080, 093(T)
355 (INT 7405)	5	093(T)
391	5	080, 093(T)
404 (INT 7439)	6	084
473 (INT 7031)	6	084
2015 (INT 7337)	3	079
2016 (INT 7336)	3	079, 091(P), 094(P)
2020	3	090(T)
2022 (INT 7345)	3	090(T)
2047	4	090(T)
2076 (INT 7338)	3	079, 091(P), 094(P)


2078 (INT 7346)	3	090(T)
2080	2	078
2506 (INT 77394)	1	085
2529	1	085
3012 (INT 7411)	5	081
3017	5	082
3037	5	082
3038	5	082
4013	6	084
4016	6	084
7703 (INT 703)	1	090(T)
7705 (INT 705)	1	090(T)



SECTION – II**PERMANENT NOTICES*****078 (05/20) INDIA – WEST COAST – Gulf of Kachchh – Eastern Portion – Buoy.**

Source: NHO, Dehradun.

Chart 2080 [previous update 067/20]

Insert  Q.3M 22° 33′.82N., 69° 49′.67E.
22° 34′.28N., 69° 52′.29E.

***079 (05/20) INDIA – WEST COAST – Port of Mumbai – Wreck.**

Source: IH-102, INS Jamuna.

Chart 292 (INT 7021) [previous update 070/20]

Insert  18° 56′.96N., 72° 53′.94E.

Chart 293 (INT 7022) [previous update 070/20]

Insert  18° 56′.96N., 72° 53′.94E.

Chart 255 (INT 7334) [previous update 073/20]

Insert  18° 56′.96N., 72° 53′.94E.

Chart 211 [previous update 072/20]

Insert  18° 56′.96N., 72° 53′.94E.

Chart 2016 (INT 7336) [previous update 070/20]

Insert  18° 56′.96N., 72° 53′.94E.

Chart 2076 (INT 7338) [previous update 069/20]

Insert  18° 56′.96N., 72° 53′.94E.


Chart 2015 (INT 7337) [previous update 070/20]

Insert  18° 56′.96N., 72° 53′.94E.

***080 (05/20) INDIA – EAST COAST – Outer Approaches To Visakhapatnam – Water Tower, Beacon, Temple and Chimney.**

Source: IH-102, INS Nirupak.

Chart 391 [previous update 155/19]

Insert  (275) 17° 33′.78N., 83° 08′.23E.
 (275) 17° 35′.68N., 83° 05′.18E.
 17° 55′.82N., 83° 27′.94E.
Delete  (164) 18° 07′.28N., 83° 42′.16E.

***080 (05/20) INDIA – EAST COAST – Outer Approaches To Visakhapatnam – Water Tower, Beacon, Temple and Chimney. (Continued).**









Chart 354 (INT 7408) [previous update 155/19]

Insert	 HNPC CHY(275)	17° 33'.78N., 83° 08'.23E.
	 CHY(275)	17° 35'.68N., 83° 05'.18E.
		17° 55'.82N., 83° 27'.94E.
Delete	 (164)	18° 07'.28N., 83° 42'.16E.
		17° 30'.68N., 82° 59'.80E.

Chart 353 (INT 7413) [previous update 198/19]

Delete	 (164)	18° 07'.28N., 83° 42'.16E.
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Chart 308 (INT 7409) [previous update NC 31 Oct 18]

Insert	 HNPC CHY(275)	17° 33'.78N., 83° 08'.23E.
	 CHY(275)	17° 35'.68N., 83° 05'.18E.
		17° 55'.82N., 83° 27'.94E.
Delete	 BN(164)	18° 07'.28N., 83° 42'.16E.
		17° 29'.75N., 83° 00'.29E.
		17° 30'.90N., 82° 59'.55E.
		17° 30'.68N., 82° 59'.80E.
	 (53)	17° 55'.88N., 83° 26'.15E.



***081 (05/20) INDIA – EAST COAST – Visakhapatnam Harbour – Buoy.**

Source: Visakhapatnam Port Trust.

Chart 3012 (INT 7411) [previous update 247/19]

Insert	 FL.G.7s	17° 41'.42N., 83° 16'.94E.
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***082 (05/20) INDIAN –EAST COAST – Dhamra Port – Port Limit, Legend.**

Source: Dhamra Port Company Ltd.

Chart 351 (INT 7419) [previous update 075/20]

Insert	Port limit, pecked line; joining:	20° 48′·00N., 86° 57′·72E.(Shore) 20° 48′·00N., 87° 02′·00E. 20° 56′·00N., 87° 16′·00E. 21° 02′·00N., 87° 13′·50E. 20° 55′·98N., 86° 54′·92E. (Shore)
Delete	Port limit, pecked line; joining:	20° 48′·05N., 86° 57′·80E.(Shore) 20° 48′·05N., 87° 01′·87E. 20° 56′·05N., 87° 15′·87E. 21° 02′·05N., 87° 13′·37E. 20° 56′·05N., 86° 55′·30E.(Shore)

Chart 3017 [previous update 045/20]

Insert	Port limit, pecked line; joining:	20° 48′·00N., 86° 57′·72E.(Shore) 20° 48′·00N., 87° 02′·00E. 20° 54′·86N., 87° 14′·00E.(E Border) and 20° 56′·25N., 86° 55′·77E. (N Border) 20° 55′·98N., 86° 54′·92E. (Shore)
	legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 49′·40N., 87° 04′·35E. 20° 53′·56N., 87° 11′·62E.
Delete	Port limit, pecked line; joining:	20° 48′·05N., 86° 57′·72E.(Shore) 20° 48′·05N., 87° 01′·87E. 20° 54′·98N., 87° 14′·00E. (E Border) and 20° 56′·25N., 86° 55′·48E. (N Border) 20° 56′·05N., 86° 54′·86E.(Shore)
	legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 48′·48N., 87° 04′·28E. 20° 53′·65N., 87° 11′·58E.

Chart 3038 [previous update 045/20]

Insert	port limit, pecked line; joining:	20° 48′·00N., 86° 57′·72E.(Shore) 20° 48′·00N., 87° 02′·00E. 20° 52′·71N., 87° 10′·25E.(E Border)
	legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 48′·03N., 87° 01′·00E. 20° 50′·75N., 87° 06′·70E.

***082 (05/20) INDIAN –EAST COAST – Dhamra Port – Port Limit, Legend. (Continued).**

Delete	Port limit, pecked line; joining:	20° 48'·05N., 86° 57'·72E.(Shore)
		20° 48'·05N., 87° 01'·87E.
		20° 52'·84N., 87° 10'·25E.(E Border)
	legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 48'·09N., 87° 01'·00E.
		20° 50'·82N., 87° 06'·65E.

Chart 3037 [previous update 087/18]

Insert	Port limit, pecked line; joining:	20° 48'·00N., 86° 57'·72E.(Shore)
		20° 48'·00N., 87° 01'·30E.(E Border)
	legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 48'·03N., 86° 59'·50E.
Delete	Port limit, pecked line; joining:	20° 48'·05N., 86° 57'·72E.(Shore)
		20° 48'·05N., 87° 01'·30E.(E Border)
	legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 48'·07N., 86° 59'·50E.

***083 (05/20) INDIA – EAST COAST – Paradip to Pussur River – Wreck.**

Source: DG Commcentre.

Chart 31 (INT 756) [previous update 058/20]

Delete	 PA	21° 26'·00N., 88° 46'·00E.
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Chart 351 (INT 7419) [previous update 082/20]

Delete	 PA	21° 26'·00N., 88° 46'·00E.
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***084 (05/20) ANDAMAN SEA – INDIA – ANDAMAN ISLANDS – RITCHIE’S ARCHIPELAGO – Approaches to Lacam Harbour – Obstruction.**

Source: NHO, Dehradun


Chart 473 (INT 7031) [previous update 057/20]

Insert	 Obstn	11° 50'·59N., 93° 02'·03E.
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Chart 404 (INT 7439) [previous update 057/20]

Insert	 Obstn	11° 50'·52N., 93° 02'·13E.
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Chart 4016 [previous update 187/19]

Insert	 Obstn	11° 50'·59N., 93° 02'·03E.
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***084 (05/20) ANDAMAN SEA – INDIA – ANDAMAN ISLANDS – RITCHIE’S ARCHIPELAGO – Approaches to Lacam Harbour – Obstruction. (Continued).**

Chart 4013 (Fusilier channel – Nancowry strait) [previous update 197/19]

Insert  *Obstn* 11° 50′.59N., 93° 02′.03E.

Chart 4013 (Shaheed Dweep Pier – Neill Island Pier) [previous update 197/19]

Insert  *Obstn* 11° 50′.59N., 93° 02′.03E.

***085 (05/20) INDIAN OCEAN – MAURITIUS – Grand Bay and Grande Riviere Noire Bay – Buoy.**

Source: HSU, Mauritius.

Chart 2529 [previous update 100/19]

Insert  *G* 19° 59′.62S., 57° 34′.11E.

19° 59′.84S., 57° 34′.28E.

20° 00′.00S., 57° 34′.31E.

20° 00′.22S., 57° 34′.44E.

20° 00′.57S., 57° 34′.40E.

19° 59′.61S., 57° 34′.32E.

19° 59′.80S., 57° 34′.36E.

19° 59′.99S., 57° 34′.45E.

20° 00′.17S., 57° 34′.46E.

20° 00′.56S., 57° 34′.55E.



Chart 2506 (INT 77394) (Grand Bay) [previous update 152/17]

Insert  *G* 19° 59′.62S., 57° 34′.11E.

19° 59′.84S., 57° 34′.28E.

20° 00′.00S., 57° 34′.31E.

20° 00′.22S., 57° 34′.44E.

20° 00′.57S., 57° 34′.40E.

19° 59′.61S., 57° 34′.32E.

19° 59′.80S., 57° 34′.36E.

19° 59′.99S., 57° 34′.45E.

20° 00′.17S., 57° 34′.46E.

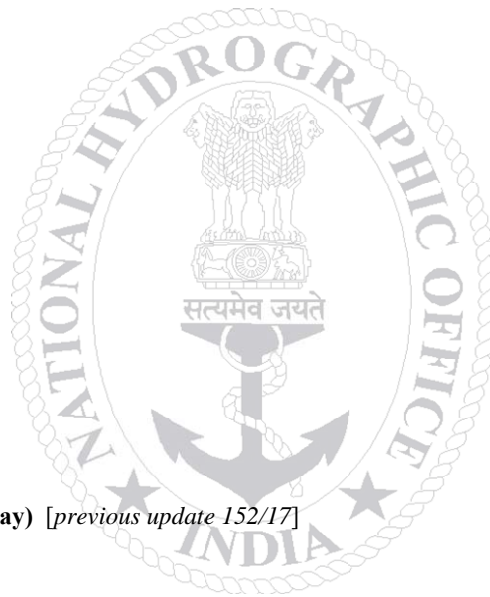
20° 00′.56S., 57° 34′.55E.



Chart 2506 (INT 77394) (Grande Riviere Noire Bay) [previous update 152/17]

Insert  *G* 20° 22′.03S., 57° 21′.70E.

20° 22′.05S., 57° 21′.43E.



*085 (05/20) INDIAN OCEAN – MAURITIUS – Grand Bay and Grande Riviere Noire Bay – Buoy. (Continued).



20° 22′·02S., 57° 21′·20E.

20° 22′·11S., 57° 21′·00E.

20° 21′·54S., 57° 21′·03E.

20° 21′·63S., 57° 21′·30E.

20° 21′·71S., 57° 21′·50E.

20° 21′·82S., 57° 21′·72E.



SECTION – III**TEMPORARY AND PRELIMINARY NOTICES*****086 (T) (05/20) INDIA – WEST COAST – Jakhau to Dwarka – Survey.**

Source: ODAG, Mumbai.

1. Survey activities by Survey Vessel / Tug SIRI (Call Sign: AWNF) is in progress till **09 Aug 20** in the area bounded by the following coordinates:-

Sl. No.	Position
(i)	22° 30'·40N., 68° 31'·60E.
(ii)	22° 45'·60N., 68° 46'·60E.
(iii)	22° 40'·20N., 68° 56'·30E.
(iv)	22° 21'·40N., 68° 47'·40E.

2. During the survey operation period anchoring, fishing and trawling are prohibited in the vicinity of the above mentioned area.

3. Mariners are advised to navigate with caution.

Charts affected – 21 – 291 – 271 – 251 (INT 7318) – 202.***087 (T) (05/20) INDIA – WEST COAST – Satpati to Dighi Harbour – Survey.**

Source: ODAG, Mumbai.

1. Pipeline activities by Barge LTB 300 is in progress till **15 May 20** in the area bounded by the following coordinates:-

Sl. No.	Position
(i)	18° 49'·20N., 72° 09'·49E.
(ii)	18° 48'·81N., 72° 28'·67E.
(iii)	18° 11'·65N., 72° 27'·91E.
(iv)	18° 18'·98N., 72° 08'·80E.

2. Unauthorized navigation, anchoring, fishing and trawling are prohibited in the vicinity of above mentioned area.

3. Mariners are advised to navigate with caution.

Charts affected – 21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 255 (INT 7334) – 211 .***088 (T) (05/20) INDIA – WEST COAST – Diu Head to Gopnath Point – Survey.**

Source: ODAG, Mumbai.

1. Subsea Survey by Greatship Rohini (Call Sign: AVWE) is in progress till **15 Apr 20** in the following areas:-

Sl. No.	Position	Sl. No.	Position
Area - A		Area - B	
(i)	20° 45'·42N., 71° 53'·43E.	(i)	19° 40'·93N., 71° 10'·16E.
(ii)	20° 44'·59N., 72° 37'·05E.	(ii)	19° 40'·45N., 71° 45'·29E.
(iii)	20° 04'·98N., 72° 36'·13E.	(iii)	19° 12'·98N., 71° 44'·82E.
(iv)	20° 05'·78N., 71° 52'·69E.	(iv)	19° 13'·44N., 71° 09'·80E.

2. During the survey operation period anchoring, fishing and trawling are prohibited in the vicinity of the above mentioned area.

3. Mariners are advised to navigate with caution.

Charts affected – 21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 207.

***089 (T) (05/20) BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Survey.**

Source: Myanmar Notice 36/19.

1. Drilling operation will be carried out by Semi-Submersible drilling rig Noble Cydde Boudreaux(Call Sign: A8BM6) from **10 Mar to 30 Apr 20** in the following coordinates:-

Well Name	Position
Pundarika- 1	14° 10′.03N., 95° 27′.95E.
Aungpyitan- 1	14° 12′.92N., 95° 02′.08E.
Uppala- 1	14° 20′.24N., 95° 06′.34E.

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

Charts affected – 41 (INT 757).***090 (T) (05/20) INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoy.**

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	Charts affected
AD06/OB	18° 29′.70N., 67° 27′.00E.	21, 292 (INT 7021)
AD07/OB	14° 56′.13N., 68° 59′.07E.	7705 (INT 705)
AD08/OB	12° 04′.08N., 68° 37′.97E.	7703 (INT 703), 7705 (INT 705)
AD09/OB	08° 08′.43N., 73° 15′.53E.	22 (INT 752), 273
AD10/OB	10° 19′.05N., 72° 35′.53E.	22 (INT 752), 273, 268 (INT 7353)
CALVAL/MB	10° 36′.97N., 72° 18′.02E.	22 (INT 752), 273, 268 (INT 7353)
CB02/CB	10° 52′.43N., 72° 12′.53E.	22 (INT 752), 268 (INT 7353), 273, 2047
CB04/CB	15° 24′.30N., 73° 45′.12E.	22 (INT 752), 293 (INT 7022), 257 (INT 7343), 214, 2022 (INT 7345), 2020, 2078 (INT 7346)
TB12/TB	19° 53′.72N., 66° 59′.87E	21, 292 (INT 7021)
TB12A/TB	18° 38′.17N., 67° 11′.57E	21, 292 (INT 7021)
ITB-001 (SAGAR BHOOMI)	08° 15′.97N., 73° 16′.85E	22 (INT 752), 273
STB02/TB	20° 48′.00N., 65° 20′.40E	21

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 040(T)/20 is cancelled.***091 (P) (05/20) INDIA –WEST COAST – Jawaharlal Nehru Port and Trombay– Construction work.**

Source: IH-102, INS Jamuna.

1. A new Jetty construction is in progress near TATA/BSR Jetty in the area bounded by the following coordinates :

Sl. No.	Position
(a)	18° 59′.43N., 72° 53′.60E.
(b)	18° 59′.43N., 72° 53′.92E.
(c)	18° 59′.22N., 72° 53′.92E.
(d)	18° 59′.22N., 72° 53′.60E.

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

Charts affected – 21 – 22 (INT 752) – 292(INT 7021) – 293(INT 7022) – 255(INT 7334) – 211 – 2016(INT 7336) – 2076(INT 7338).

***092 (T) (05/20) INDIA – WEST COAST – Arabian Sea – Oil Rigs.**

Source: ODAG, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban III	18° 01'.06N., 72° 22'.72E.
Aban Ice	18° 45'.38N., 70° 23'.23E.
CE Thornton	19° 28'.84N., 71° 42'.94E.
Discovery 1	19° 10'.06N., 71° 46'.56E.
DS Fortune	19° 14'.61N., 71° 26'.17E.
DS Fossil	19° 12'.80N., 72° 06'.73E.
FG Mclintok	18° 46'.02N., 72° 17'.97E.
Great Drill Chaaya	18° 43'.64N., 72° 13'.66E.
Great Drill Chaaru	19° 32'.35N., 71° 20'.93E.
Great Drill Chetna	19° 42'.62N., 70° 51'.07E.
Great Drill Chitra	19° 28'.15N., 71° 14'.64E.
Harvey H Ward	18° 17'.26N., 72° 19'.49E.
Jindal Explorer	19° 14'.45N., 70° 58'.88E.
Jindal Star	18° 54'.75N., 71° 49'.57E.
JT Angel	19° 10'.61N., 70° 57'.71E.
Parameswara	19° 00'.06N., 71° 46'.40E.
Ron Tappmeyer	18° 08'.15N., 72° 25'.28E.
Sagar Bhushan	19° 23'.98N., 70° 58'.01E.
Sagar Gaurav	19° 19'.79N., 71° 15'.43E.
Sagar Jyoti	19° 54'.20N., 72° 18'.03E.
Sagar Kiran	19° 10'.54N., 71° 00'.71E.
Sagar Ratna	19° 07'.35N., 72° 06'.45E.
Sagar Shakti	20° 10'.65N., 72° 12'.43E.
Sagar Uday	22° 40'.84N., 68° 05'.08E.
Sagar Vijay	18° 51'.29N., 70° 19'.66E.
Sundower 5	19° 22'.76N., 71° 16'.31E.
Sundower 7	18° 34'.11N., 72° 13'.45E.
Trident 12	19° 13'.86N., 71° 25'.23E.
Valiant Driller	18° 44'.08N., 72° 18'.48E.
Victory Driller	19° 38'.00N., 71° 21'.73E.
Vivekananda 1	19° 09'.88N., 72° 05'.99E.
Vivekananda 2	19° 10'.77N., 72° 05'.56E.
Virtue 1	19° 33'.13N., 71° 16'.35E.

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

3. All positions are in WGS 84 datum.

4. **Charts Affected – 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 210 – 211.****Former INTM 060(T)/20 is cancelled.**

***093 (T) (05/20) INDIA – EAST COAST – Bay of Bengal – Oil Rigs.**

Source: ODAG, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban II	16° 27'·74N., 82° 10'·63E.
Deep Driller 8	16° 40'·09N., 82° 25'·43E.
DDKG 1	16° 10'·37N., 82° 39'·09E.
Essar Wildcart	16° 33'·17N., 82° 26'·49E.
SSV Louisiana	17° 00'·00N., 82° 25'·50E.
Olinda Star	16° 16'·38N., 82° 15'·88E.
Platinum Explorer	16° 26'·83N., 82° 21'·29E.

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

3. All positions are in WGS 84 datum.

4. **Charts Affected – 391 – 354 (INT 7408) – 355 (INT 7405).***Former INTM 049(T)/20 is cancelled.****094(P) (05/20) INDIA –WEST COAST – Jawaharlal Nehru Port and Trombay– Construction work.**

Source: IH-102, INS Jamuna.

1. A bridge construction is in progress in the area bounded by the following coordinates :

Sl. No.	Position
(a)	18° 59'·35N., 72° 54'·45E.
(b)	18° 59'·35N., 72° 55'·45E.
(c)	18° 59'·08N., 72° 55'·45E.
(d)	18° 59'·08N., 72° 54'·45E.

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

Charts affected – 21 – 22 (INT 752) – 292(INT 7021) – 293(INT 7022) – 255(INT 7334) – 211 – 2016(INT 7336) – 2076(INT 7338).

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	BI	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: - indsar@vsnl.net, or icgmrc_mumbai@mtnl.net. 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 for the above have been published in the fortnightly Indian Notices to Mariners Edition No 07 of 2018(01stApril 2018).

(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 off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Shevaharbour irrespective of size.

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

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

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 – 2016.

2. NAVAREA VIII Warnings in force as on 29 Feb 20:-

2019 SERIES	– 199	287	289	369	392	479	591	621	707	772	810	812	895	928	974				
2020 SERIES	– 043	059	074	076	084	086	089	090	095	105	107	116	117	118	123	125	129	130	140
	141	142	143	144	145	146	147	148											

3. NAVAREA VIII Warnings issued during the period from 16 Feb 20 to 29 Feb 20 (both dates inclusive) are as tabulated below:-

116. Bay Of Bengal – Land Fall Island. Chart IN 401 INT 7435. DGPS (13-37N 093-02E) off.
117. Andaman Sea – Tillanchang I. Charts IN 408 4177 INT 7446. DGPS (08-28N 093-37E) off.
118. India West Coast – Mumbai Port. Charts IN 2001 2015 2016 INT 7336. Sunk rock, Beacons Tucker, 20A, 20B, 21A, 21B, 22B, Both transit mark on Ballard Pier unlit. Buoys North Karanja, N5, N8 missing, N17 unlit. 2. Cancel NAVAREA VIII MSG 961/19.
119. Cancel NAVAREA VIII MSG 976/19 and this MSG.
120. Cancel NAVAREA VIII MSG 963/19, 038/20, 050, 067, 088, 094, 103, 104 and this MSG. INTM 067/20, 070, 071, 072, 076 (T), 077 (T) refers.
121. Indian Ocean – off Seychelles. Charts IN 7703 INT 703. Submerged vessel reported adrift 07-35.5S 055-58.1E at 171048 UTC Feb 20. 2. Cancel this MSG 201100 UTC Feb 20.
122. Andaman Sea – off Cinque I. Charts IN 41 473 INT 7031. Firing from ship scheduled on 21, 22 Feb 20 from 0430 to 0830 UTC in danger area bounded within 11-00N to 11-22N and 092-29E to 092-51E. Wide berth from area advised. 2. Cancel this MSG 220930 UTC Feb 20.
123. India West Coast – off Mumbai. Charts IN 21 292 255 INT 705. SV Flamboyant progressing survey in areas bounded by (A) 19-42.5N 070-45.4E, 19-41.3N 072-09.7E, 18-54.9N 072-20.6E, 18-55.1N 071-46.6E, 18-55.7N 071-01.9E, 19-11N 070-50.9E (B) 18-49.2N 072-09.5E, 18-48.8N 072-28.7E, 17-58.7N 072-27.7E, 17-59.1N 072-08.6E (C) 18-39.6N 070-57.7E, 18-39.6N 071-04.7E, 18-33.3N 071-04.6E, 18-33.5N 070-57.5E (D) 20-38N 071-56.7E, 20-37.8N 072-07.2E, 20-03.3N 072-06.5E, 20-03.7N 071-40.6E. 2. Cancel this MSG 141830 UTC Mar 20.
124. India West Coast – off Kandla. Chart IN 2018 INT 7321. Mungra LT (22-46N 070-11E) Unlit.
125. India East Coast – off Balasore. Charts IN 301 351 352 3011 3017 INT 7419. Experimental flight trial scheduled daily from 24 to 28 Feb, 02 to 06 Mar, 09 Mar 20 from 0430 to 0630 UTC and 0830 to 1030 UTC in danger area bounded by 21-11.78N 086-45.3E, 20-14.43N 087-19.15E, 21-00N 088-30E, 21-41.1N 087-57E, 21-40N 087-10E. Wide berth from area advised. 2. Cancel this MSG 091130 UTC Mar 20.
126. India West Coast - Gulf of Kachchh. Chart IN 2068 INT 7319. Salaya channel fairway, Mithapur and Kachchh buoys retrieved. 2. Cancel NAVAREA VIII MSG 114/20.
127. India West Coast - off Mormugao. Charts IN 213 214 215 256 293 INT 7022. Firing scheduled from 240030 to 271530 UTC Feb 20 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 271630 UTC Feb 20.
128. India West Coast - off Mormugao. Charts IN 256 293 INT 7022. Subsurface firing scheduled from 250001 to 260001 UTC Feb 20 in danger area bounded by 14-57N 071-56E, 15-23N 071-13E, 16-10N 071-29E, 15-42N 072-11E. Wide berth from area advised. 2. Cancel this MSG 260100 UTC Feb 20.
129. India West Coast - off Mumbai. Charts IN 255 292 INT 7021. Barge LTB 300 progressing pipeline activities in AREA bounded by 18-49.2N 072-09.5E, 18-48.8N 072-28.7E, 18-11.6N 072-27.9E, 18-19N 072-08.8E. Wide berth requested. 2. Cancel this MSG 151830 UTC May 20.

<p>130. India West Coast - off Dwarka. Charts IN 202 251 INT 7318. Tug siri progressing survey in area bounded by 22-30.4N 068-31.6E, 22-45.6N 068-46.6E, 22-40.2N 068-56.3E, 22-21.4N 068-47.4E. Wide berth requested.</p> <p>2. Cancel this MSG 091830 UTC Aug 20.</p>
<p>131. India West Coast - Gulf of Kachchh. Chart IN 2068 INT 7319. Salaya Channel fairway and Mithapur buoy retrieved.</p> <p>2. Cancel NAVAREA VIII MSG 126/20.</p>
<p>132. India East Coast – off Gopalpur. Charts IN 305 352 353 INT 756. Army Air Defence firing and BPTA flight scheduled on 26, 27, 28 Feb 20 from 0130 to 0830 and 0930 to 1430 UTC in danger area bounded by (A) 19-14.6N 084-53.7E (B) 19-07.39N 085-35.94E (C) 18-33.61N 084-53.74E and arc of 41 NM radius joining Point B and C. Wide berth from area advised.</p> <p>2. Cancel this MSG 281530 UTC Feb 20.</p>
<p>133. India East Coast - off Chennai. Chart IN 356 INT 7400. Firing by CG aircraft scheduled on 26, 27, 28 Feb 20 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 281230 UTC Feb 20.</p>
<p>134. Cancel NAVAREA VIII MSG 124, 131/20 and This MSG.</p>
<p>135. NAVAREA VIII warnings in force as on 21 Feb 20:- 2019 Series – 199 287 289 369 392 479 591 621 707 772 810 812 895 925 928 974 2020 Series – 043 059 074 076 084 086 089 090 095 102 105 106 107 109 111 116 117 118 122 123 125 127 128 129 130 132 133 134 (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.</p> <p>2. Cancel this MSG 280930 UTC Feb 20.</p>
<p>136. India West Coast – off Mormugao. Charts IN 22 213 214 215 256 293 INT 7705. Firing Scheduled from 231830 to 271830 UTC Feb 20 in danger area bounded by 15-17N 073-21E, 14-15N 072-52E, 14-16N 071-41E, 15-54N 069-06E, 17-21N 070-40E, 16-24N 072-46E. Wide berth from area advised.</p> <p>2. Cancel this MSG 271930 UTC Feb 20.</p>
<p>137. NW Indian Ocean – off Seychelles Bank. Chart INT 702. Shipwreck with green hull reported adrift 06-47.7S 056-59.2E.</p> <p>2. Cancel this MSG 240700 UTC Feb 20.</p>
<p>138. India West Coast - off Mormugao. Charts IN 214 215 257 293 2020 2022 INT 7343. Firing by Naval Coastal Battery scheduled on 25 Feb 20 from 0330 to 0730 UTC in danger sector extending upto 15 NM between bearing 220 and 260 from 15-24.7N 073-47.05E. Wide berth from area advised.</p> <p>2. Cancel this MSG 250830 UTC Feb 20.</p>
<p>139. Andaman Sea – off Barren. Charts IN 473 INT 7031. Firing by CG aircraft scheduled on 27 and 28 Feb 20 from 0430 to 0930 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 281030 UTC Feb 20.</p>
<p>140. India West Coast. Charts IN 255 292 INT 7021. Rig move:- Sagar Gaurav 19-19.79N 071-15.43E</p> <p>2. Wide berth requestd.</p>
<p>141. Andaman Sea – off Barren. Chart IN 473 INT 7031. Firing by CG aircraft scheduled on 05, 06 Mar 20 from 0430 to 0930 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 061030 UTC Mar 20.</p>
<p>142. India West Coast - off Mormugao. Charts IN 2020 2022 INT 7345. SAR exercise scheduled on 01, 03, 04, 06 Mar 20 from 0230 to 0900 UTC in area bounded within 15-25N to 15-32N and 073-40E to 073-45E. Wide berth from area advised.</p> <p>2. Cancel this MSG 061000 UTC Mar 20.</p>
<p>143. India West Coast – Kochi. Charts IN 220 259 2004 2029 INT 7356. Firing by Naval coast battery scheduled on 03, 10, 17 Mar 20 from 0900 to 1200 UTC and 06, 13 mar 20 from 0900 to 1200 UTC and 1230 to 1430 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised.</p> <p>2. Cancel this MSG 171300 UTC Mar 20.</p>
<p>144. Navarea VIII Warnings in force as on 28 Feb 20:- 2019 Series – 199 287 289 369 392 479 591 621 707 772 810 812 895 925 928 974 2020 Series – 043 059 074 076 084 086 089 090 095 102 105 106 107 116 117 118 123 125 129 130 140 141 142 143 (A) Navarea VIII warnings less than 42 days promulgated Via Safetynet.</p>

<p>144. Continued. (B) Text of Navarea VIII warning Inforce including those which no longer broadcast available in www.hydrobharat.gov.in. 2. Cancel this MSG 060930 UTC Mar 20.</p>
<p>145. Indian East Coast - off Nagappattinam. Chart IN 357 INT 754. RV Samudra Kaustubh progressing survey in area bounded by 10-37N 080-04.7E, 10-33N 080-04.8E, 10-33N 080.00E 10-37N 079-59.6E. Wide berth requested. 2. Cancel this MSG 221830 UTC Mar 20.</p>
<p>146. India West Coast – off Mumbai. Charts IN 255 292 INT 7021. SV Samudra Sarvekshak progressing survey in vicinity of 19-14.1N 071-01.4E, 19-10.4N 071-59.1E, 19-20.3N 072-12.7E, 20-06.5N 072-05.2E, 20-12.9N 072-16.2E, 20-29.8N 071-41.9E, 20-51.8N 071-58.2E, 19-21N 071-18.2E, 19-21.1N 071-18.2E . Wide berth requested. 2. Cancel this MSG 141830 UTC Apr 20.</p>
<p>147. Central Bay of Bengal and Andaman sea. Charts IN 32 33 41 313 356 391 7706 INT 706. GSLV-F10 launch from 13-43.2N 080-13.8E scheduled on 05, 06, 07 Mar 20 from 0945 to 1345 UTC. 2. Danger zone as follows:- Zone-1: Circle of 10 NM around launcher Zone-2: 12-05N 084-50E, 12-50N 085-00E, 12-20N 086-20E, 11-35N 086-10E Zone-3: 10-55N 088-35E, 11-40N 088-45E, 11-05N 090-30E, 10-25N 090-20E Zone-4: 08-10N 095-10E, 09-35N 095-10E, 09-35N 096-05E, 08-10N 096-05E 3. Wide berth from area advised. 4. Cancel this MSG 071445 UTC Mar 20.</p>
<p>148. Central Lakshadweep Sea. Chart IN 7071 INT 71. SLFV LAHIRU1(08-08N 078-47E) and SLFV Danushka (05-30N 077-50E) reported adrift on 28 Feb 20. 2. Cancel this MSG 021000 UTC Mar 20.</p>

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

West coast of India Pilot (INP-1)
Chapter - 4 (Page 161)

Article 4.7, para 1&2, delete and replace by

1 The N part of Pamban Pass, lying between Kanthe Thuki Reef (close off the NW shore of Pamban Island) and a shoal ground to the W.

2 There is a dangerous wreck (3.4m depth) lies in position 09°17'83N, 79°12'12E.

(Page 165)

Article 4.25, delete para 1

Article 4.27, delete and replace by

1 **Kundugal Channel** (09°15'.00N, 79°15'.00E) is the better and more direct approach to Pamban Pass from S. Having passed the outlying dangers, steer to pass E of Kallaru Reef for a position ESE of Kundugal Point from where the channel leads W into Kundugal Gut, passing:

2 N of Kallaru Reef (09°14'.73N, 79°14'.07E), upon which the sea breaks heavily along its S edge. Shingle Tivu, a low island covered with scrub is situated on the reef. Then keep to the deep water channel, passing:

3 N of Kursadi Tivu, a long narrow island, and close S of Kundugal Point, a low and sandy point, and N of Pulli Reef. The track then leads generally WNW across Horseshoe Bank.

4 Once clear of a drying bank, extending SW from Mundel Point, the route leads NE through the Basin, a narrow unmarked channel, towards the S entrance of Pamban Pass.

(Page 166)

Article 4.29, para 5 & 6, delete and replace by

5 When NE of Cano Paru Reef (09°14'.21N, 79°09'.40E), which covers and uncovers, alter course NE to pass through Puma East channel which lies NW of Pulli Reef.

6 When clear of Puma East Channel steer to pass along the N edge of Pulli Reef into the channel lying between this reef and Horseshoe Bank, which leads to Sand Bank Channel (09°15'.55N, 79°12'.50E).

Chapter - 6 (Page 243)

Article 6.193, para 4, line 4, insert after text 'area.'

A wreck (15°25'.33N, 73°41'.60E) lies in the S part of the anchorage.

(Page 243)

Article 6.194, para 1, delete and replace by

1 **Caution.** A spoil ground with a least depth of 8.8m, lies about 2½ miles WNW of Mormugao Point (15° 25' N, 73° 47' E).

Bay of Bengal Pilot (INP-2)
Chapter - 3 (Page 148)

Article 3.33, Para 1, 'insert below 'RO-RO Jetty'

NQ 1	100.00	6
NQ 2	130.00	7

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
F0970	- Dolphin's Nose	17 40.59 N 83 17.56 E	Fl W 10s	173	32	White square tower, black bands 19	<i>fl 0.3.</i> F R on radio masts 240m NW
--	--	..	Racon	..	..	..	ILRS Vol 2 Station 79180
--	--	..	AIS	..	..	..	TD 2020 MMSI No 004194437
F9308.52	- Development Area	19 38.29 N 71 19.91 E	Mo(U)W 5s	..	10	Platform	Numerous installations, some marked by lights and fog signals, exist in this field
--	--	..	Horn	..	..	..	*

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS



INP 31(1), 2019

(Last correction: Edition No. 02 dated 16 Jan 2020)

PAGE 42, MALAYSIA, PENINSULAR.

KUANTAN MRSC, Contact table

Delete entry and replace by:

KUANTAN MRSC (9MHE9)		03°58'18 N 103°25'98 E	
MMSI 005330045	DSC VHF		
 +60 9 5717345		 +60 9 5738476	
Call: WILTIM		Email: mrsckuantan@mmea.gov.my	
NOTE(S) :	1. Kuantan MRSC is based in Kuantan, the State Capital of Pahang. 2. The Malaysian Maritime Enforcement Agency (MMEA) is responsible for coordinating Search and Rescue operations. 3. Additional radio watchkeeping on international distress frequencies, including DSC VHF and MF, are maintained by a network of remote stations under the control of Penang Radio (9MG). 4. The areas covered include the Malaysian Peninsula, Sabah and Sarawak.		

(Source: BA 09/20)

(05/20)

INP 31(2), 2019

(Last correction: Edition No.04 dated 16 Feb 2020)

NIL

NP 31(5), 2017

(Last correction: Edition No. 02 dated 16 Jan 2020)

PAGE 161, Chapter 10, DISTRESS, SEARCH AND RESCUE.

delete and replace by:

MALAYSIA			
National SAR Agency: Malaysian Maritime Enforcement Agency(Malaysia Coast Guard) Address: Prime Minister's Department, 4-11th Floor, one IOI Square, IOI Resort, 62502 Putrajaya, Malaysia Tel: +60 3 89413140 Fax: +60 3 89413129 e-mail: mrccputrajaya@mmea.gov.my			
The Malaysian Maritime Enforcement Agency (Malaysia Coast Guard) is responsible for coordinating Search and Rescue operations. A network of stations monitor VHF and MF DSC and 2182 kHz and VHF Ch 16, Preferred inter RCC languages are English and Malay.			
	Telephone+60	Fax+60	Others
Malaysian Maritime Communications Centre(MMCC)	3 31670530	3 31664332	Email: mmcc@marine.gov.my
Malaysian Mission Control Centre (MyMCC)	9 5807175	9 5807176	Email: mymcc@mmea.gov.my
KUALA LUMPUR ARCC (Cospas-Sarsat SPOC)	3 78473573	3 78473572	AFTN: WMKKZQZX Email: klatcc@caam.gov.my Website: www.caam.gov.my

MRCC PUTRAJAYA	3 89413140	3 89413129	Email: mrccputrajaya@mmea.gov.my
Peninsular Malaysia			
MRSC JOHOR BAHRU	7 2219231	7 2279285	Email; mrscjohorbharu@mmea.gov.my
MRSC KUANTAN	9 5717345	9 5738476	Email: mrsckuantan@mmea.gov.my
MRSC LANGKAWI	4 9665307	4 9662768	Email: mrsclangkawi@mmea.gov.my
Sabah and Sarawak			
MRSC KOTA KINABALU	88 387774	88 387444	Email: mrsckotakinabalu@mmea.gov.my
MRSC KUCHING	82 432544	82 432554	Email: mrsckuching@mmea.gov.my

(Source: BA 09/20)

(05/20)

INP 31(6), 2018

(Last correction: Edition No. 04 dated 16 Feb 2020)

NIL

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.

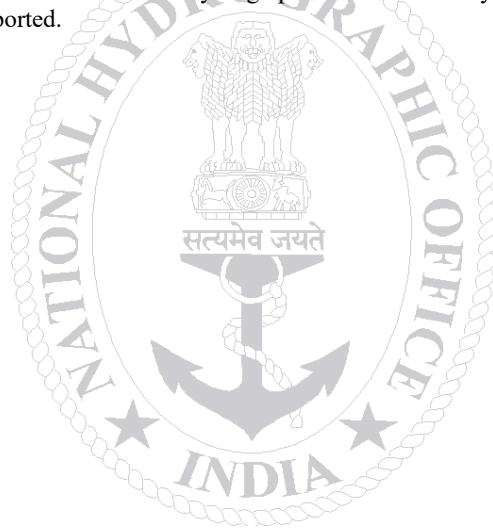
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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