



INDIAN NOTICES TO MARINERS



EDITION NO. 06 DATED 16 MAR 2018

(CONTAINS NOTICES 070 TO 074)

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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 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>
3026	31-01-2018	APPROACHES TO VADAREVU AND NIZAMPATNAM BAY LIMITS 15° 28'.50N; 80° 08'.00E. 15° 54'.50N; 80° 49'.50E.	75,000	5	Rs. 1870.00
4173	31-01-2018	KATCHALL ISLAND (WESTERN PORTION) LIMITS 07° 50'.50N; 93° 15'.70E. 08° 04'.00N; 93° 24'.50E.	25,000	6	Rs. 1870.00

2. The new edition Indian Chart that is available for mariners in the market is 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>
4040	31-01-2018	MAYABANDAR HARBOUR LIMITS 12° 54'.70N; 92° 52'.30E. 12° 57'.28N; 92° 56'.50E.	7,500	6	Rs. 1870.00

3. The Indian Charts 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>
3026	15-10-2009	APPROACHES TO VADAREVU AND NIZAMPATNAM BAY	3026	31-01-2018
4040	31-12-2016	MAYABANDAR HARBOUR	4040	31-01-2018

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN43026N	3026	APPROACHES TO VADAREVU AND NIZAMPATNAM BAY	12-03-2018
IN54173K	4173	KATCHALL ISLAND (WESTERN PORTION)	08-03-2018

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN64040Y	4040	MAYABANDAR HARBOUR	08-03-2018

VI

6. The Indian Electronic Navigational Chart that is permanently withdrawn is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN43026A	3026	APPROACHES TO VADAREVU AND NIZAMPATNAM BAY	17-02-2010
IN64040Y	4040	MAYABANDAR HARBOUR	25-01-2017

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
220	TANUR NAGARAM TO MANAKKODAM	1,50,000	New Chart
221	ALLEPPEY TO QUILON	1,50,000	New Chart
351 (INT 7419)	PARADIP TO PUSSUR RIVER	3,00,000	New Chart
2043	APPROACHES TO VENGURLA AND REDI	60,000	New Chart
3006 (INT 7423)	HUGLI RIVER;		New Chart
	KUKRAHATI REACH TO ROYAPUR CROSSING	37,500	
	ROYAPUR CROSSING TO CALCUTTA DOCKS	37,500	
	CALCUTTA DOCKS	17,500	
3009 (INT 7407)	KAKINADA PORT	10,000	New Chart
	KAKINADA ANCHORAGE	25,000	
4107	INTERVIEW ISLAND	25000	New Chart

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	C-MAP 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 070 to 074 contained in this edition is as follows:

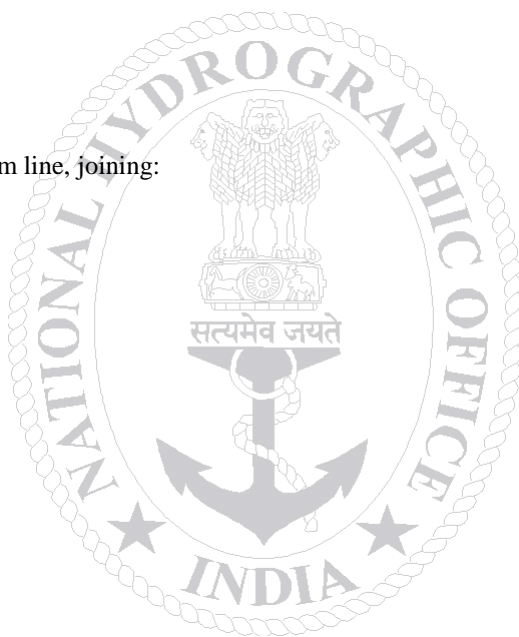
CHART NUMBER	FOLIO NO.	NOTICE NO.
20	1	072
21	2	074(P)
22 (INT 752)	3	074(P)
210	2	074(P)
211	3	074(P)
212	3	074(P)
253 (INT 7328)	2	074(P)
254 (INT 7331)	2	074(P)
255 (INT 7334)	3	074(P)
256 (INT 7340)	3	074(P)
288	1	072
292 (INT 7021)	2	074(P)
293 (INT 7022)	3	074(P)
360	7	071
361	7	071
408	6	073
2004 (INT 7359)	3	070
2016 (INT 7336)	3	074(P)
2029 (INT 7358)	3	070
2045 (INT 7360)	3	070
2063	1	073
4205 (INT 7446)	7	073

SECTION – II**PERMANENT NOTICES*****070 (06/18) INDIA – WEST COAST – Port of Kochi – Leading Lights.**

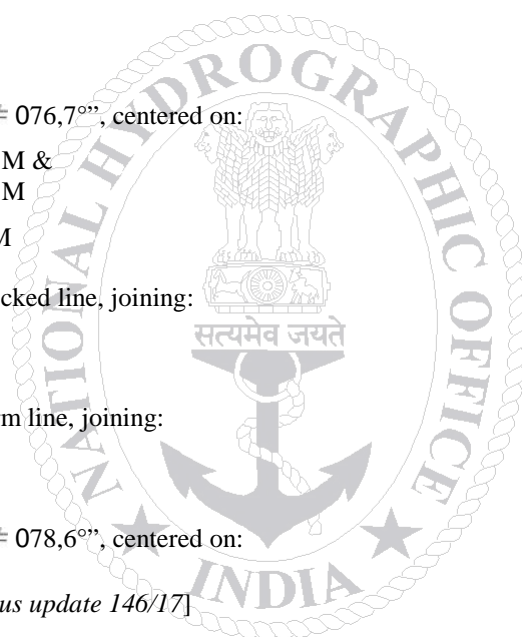
Source: Cochin Port Trust.

Chart 2029 (INT 7358) [previous update 146/17]

Insert	 Iso.4s26m11M	09° 58'·58N., 76° 16'·08E.
	 Q.16m11M	09° 58'·52N., 76° 15'·82E.
	Leading line, pecked line, joining:	09° 58'·58N., 76° 16'·08E. 09° 58'·43N., 76° 15'·42E.
	Leading line, firm line, joining:	and 09° 58'·54N., 76° 16'·11E. (existing pecked line) 09° 58'·58N., 76° 16'·08E. 09° 58'·43N., 76° 15'·42E. 09° 58'·16N., 76° 14'·27E. and 09° 58'·42N., 76° 15'·46E. (existing firm line) 09° 58'·43N., 76° 15'·42E. and 09° 58'·16N., 76° 14'·27E. 09° 58'·15N., 76° 14'·07E. (existing firm line) 09° 58'·27N., 76° 14'·60E. 09° 58'·54N., 76° 16'·11E. 09° 58'·49N., 76° 15'·85E. 09° 58'·54N., 76° 16'·11E. 09° 58'·42N., 76° 15'·46E. 09° 58'·42N., 76° 15'·46E. 09° 58'·15N., 76° 14'·07E. 09° 58'·18N., 76° 14'·16E.
	Legend “076,7°”, centered on:	
Delete	 Iso.4s26m11M	
	 Q.16m11M	
	Leading line, pecked line, joining:	
	Leading line, firm line, joining:	
	Legend “078,6°”, centered on:	
Chart 2004 (INT 7359) [previous update 162/17]		
Insert	 Iso.26m11M & Iso.12m11M	09° 58'·584N., 76° 16'·083E.
	 Q.16m11M	09° 58'·522N., 76° 15'·818E.
	Leading line, pecked line, joining:	09° 58'·584N., 76° 16'·083E.



		09° 58′.43N., 76° 15′.42E.
		and
		09° 58′.545N., 76° 16′.115E. (existing pecked line)
		09° 58′.584N., 76° 16′.083E.
	Leading line, firm line, joining:	09° 58′.43N., 76° 15′.42E.
		09° 58′.16N., 76° 14′.27E.
		and
		09° 58′.42N., 76° 15′.46E. (existing firm line)
		09° 58′.43N., 76° 15′.42E.
		and
		09° 58′.16N., 76° 14′.27E.
		09° 58′.15N., 76° 14′.07E. (existing firm line)
		09° 58′.25N., 76° 14′.48E.
	Legend “2 Lts ≠ 076,7°”, centered on:	
Delete	★ Iso.26m11M & Iso.12m11M	09° 58′.545N., 76° 16′.115E.
	★ Q.16m11M	09° 58′.49N., 76° 15′.85E.
	Leading line, pecked line, joining:	09° 58′.545N., 76° 16′.115E.
	Leading line, firm line, joining:	09° 58′.417N., 76° 15′.46E.
		09° 58′.417N., 76° 15′.46E.
		09° 58′.15N., 76° 14′.07E.
	Legend “2 Lts ≠ 078,6°”, centered on:	09° 58′.18N., 76° 14′.16E.
	Chart 2045 (INT 7360) [previous update 146/17]	
Insert	★ Iso.4s26m11M & Iso.4s12m11M	09° 58′.584N., 76° 16′.083E.
	★ Q.16m11M	09° 58′.522N., 76° 15′.818E.
	Leading line, pecked line, joining:	09° 58′.584N., 76° 16′.083E.
		09° 58′.43N., 76° 15′.42E.
		and
		09° 58′.545N., 76° 16′.115E. (existing pecked line)
		09° 58′.584N., 76° 16′.083E.
	Leading line, firm line, joining:	09° 58′.43N., 76° 15′.42E.
		09° 58′.16N., 76° 14′.27E.
		and
		09° 58′.42N., 76° 15′.46E. (existing firm line)



***070 (06/18) INDIA – WEST COAST – Port of Kochi – Leading Light. (Continued).**

09° 58′.43N., 76° 15′.42E.

and


09° 58′.16N., 76° 14′.27E.

09° 58′.15N., 76° 14′.07E.
(existing firm line)


09° 58′.23N., 76° 14′.54E.

Legend “2 Lts ≠ 076,7°”, centered on:

Delete

 Iso.4s26m11M &
Iso.4s12m11M

09° 58′.545N., 76° 16′.115E.

 Q.16m11M

09° 58′.49N., 76° 15′.85E.

Leading line, pecked line, joining:

09° 58′.545N., 76° 16′.115E.

09° 58′.417N., 76° 15′.46E.

Leading line, firm line, joining:

09° 58′.417N., 76° 15′.46E.

09° 58′.15N., 76° 14′.07E.

Legend “2 Lts ≠ 078,6°”, centered on:

09° 58′.18N., 76° 14′.18E.

***071 (06/18) BAY OF BENGAL – BANGLADESH – Pussur River to Elephant Point – Legend.**

Source: BA Notice No. 5926/17.

Chart 360 [previous update 042/18]

Insert

Legend “Power Station Under Construction (2017-2024)”
centered on:

21° 42′.05N., 91° 54′.57E.

Chart 361 [previous update 172/17]

Insert

Legend “Power Station Under Construction (2017-2024)”
centered on:

21° 42′.06N., 91° 54′.59E.

***072 (06/18) QATAR TO SHATT AL ARAB – Wreck.**

Source: BA Notice No. 6086/17.

Chart 20 [previous update 060/18]

Insert

 PA

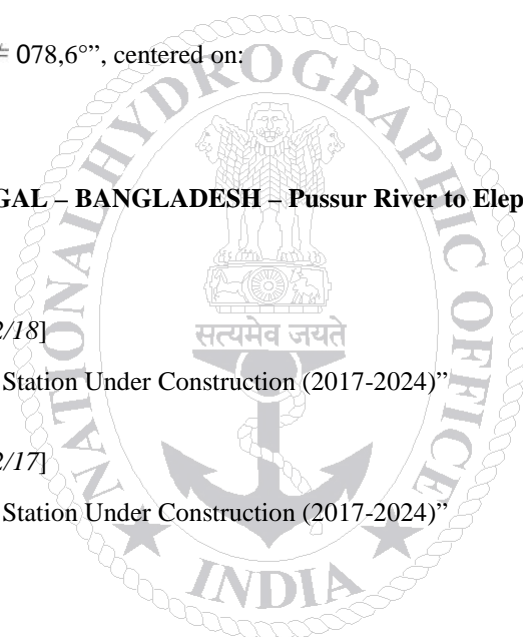
28° 31′.00N., 50° 40′.00E.


Chart 288 [previous update 068/18]

Insert

 PA

28° 31′.00N., 50° 40′.00E.



*073 (06/18)		Miscellaneous updates to charts.	
Source: NHO.			
Chart No.	Previous Updates	Details	
408 (INT 7446)	156/16	Insert Chart No.4173 and Magenta limit as follows: 07° 50′.50N., 93° 15′.70E. 07° 50′.50N., 93° 24′.50E. 08° 04′.00N., 93° 24′.50E. 08° 04′.00N., 93° 15′.70E. 07° 50′.50N., 93° 15′.70E.	
4205	148/17	Insert Chart No.4173 and Magenta limit as follows: 07° 51′.20N., 93° 15′.70E. (W border) 08° 04′.00N., 93° 15′.70E. 08° 04′.00N., 93° 24′.50E. 07° 51′.20N., 93° 24′.50E. (W border)	
2063	152/13	For reprint chart 2063 (319.17)	
		Delete;	 in position; 06° 59′.30N., 79° 48′.30E.
			Radar beacon Racon (B) (3 cm) in position; 06° 58′.30N., 79° 50′.10E.
2063 (Plan)	152/13	For reprint chart 2063 (319.17)	
		Delete;	Radar beacon Racon (B) (3,0 cm) in position; 06° 58′.307N., 79° 50′.092E.



SECTION – III**TEMPORARY AND PRELIMINARY NOTICES*****074 (P) (06/18) INDIA – WEST COAST – Approaches to Mumbai – Safety Fairways.**

Source: DG Shipping, Mumbai (MS Notice 11/2017).

1. The revised routing measure (traffic separation scheme) as per MS Notice 11/2017 of DG Shipping, Mumbai will come into force with effect from **01 Apr 18 (promulgation/changes if any will be informed through NAVAREA VIII message)**. It will supersede the existing safety fairway established at approaches to Mumbai. The co-ordinates of revised “Separation line” and “Separation zone” is as follows:

(i) Separation Line

Sl. No.	Co-ordinate	Sl. No	Co-ordinate
A	18° 21'.022N., 71°11'609E.	A'	18° 17'.192N., 71°14'768E.
B	18° 31'.756N., 71°31'857E.	B'	18° 28'.685N., 71°35'640E.
C	18° 54'.703N., 71°54'501E.	C'	18° 52'.561N., 71°55'902E.
D	18° 54'.676N., 72°07'285E.	D'	18° 52'.521N., 72°07'109E.
E	18° 51'.987N., 72°19'107E.	E'	18° 49'.943N., 72°18'918E.
F	18° 51'.842N., 72°31'928E.	F'	18° 49'.458N., 72°32'577E.
G	18° 51'.878N., 72°34'323E.	G'	18° 48'.914N., 72°35'447E.
H	18° 50'.481N., 72°40'882E.	H'	18° 49'.152N., 72°40'866E.
I	18° 50'.847N., 72°44'373E.	I'	18° 49'.728N., 72°44'406E.
J	19° 03'.067N., 72°28'259E.	J'	19° 02'.868N., 72°30'897E.
K	19° 23'.869N., 72°24'686E.	K'	19° 23'.916N., 72°27'978E.
L	19° 39'.320N., 72°25'340E.	L'	19° 40'.248N., 72°28'911E.
M	19° 42'.721N., 72°23'723E.	M'	19° 44'.757N., 72°26'454E.
N	19° 47'.652N., 72°16'990E.	N'	19° 49'.924N., 72°19'759E.
O	19° 54'.202N., 71°53'451E.	O'	19° 57'.236N., 71°54'135E.
P	19° 53'.570N., 71°23'529E.	P'	19° 56'.499N., 71°23'363E.
Q	18° 29'.877N., 72°28'779E.	Q'	18° 29'.794N., 72°31'618E.
R	18° 15'.526N., 72°31'241E.	R'	18° 15'.698N., 72°34'018E.

(ii) Separation Zone

Sl. No.	Co-ordinate	Sl. No	Co-ordinate
A	18° 18'.776N., 71°12'259E.	A'	18° 18'.120N., 71°12'710E.
B	18° 31'.815N., 71°34'700E.	B'	18° 31'.176N., 71°35'278E.
C	18° 40'.082N., 71°42'331E.	C'	18° 39'.919N., 71°42'499E.
D	18° 39'.473N., 71°43'065E.	D'	18° 39'.644N., 71°42'896E.
E	18° 53'.831N., 71°54'937E.	E'	18° 53'.386N., 71°55'195E.
F	18° 53'.616N., 72°07'053E.	F'	18° 53'.271N., 72°06'995E.
G	18° 51'.165N., 72°18'994E.	G'	18° 50'.771N., 72°18'978E.
H	18° 50'.617N., 72°32'295E.	H'	18° 50'.212N., 72°32'407E.
I	18° 50'.631N., 72°34'823E.	I'	18° 50'.389N., 72°34'883E.
J	18° 50'.051N., 72°40'996E.	J'	18° 49'.718N., 72°40'999E.
J''	18° 50'.131N., 72°42'097E.	K	18° 51'.938N., 72°32'878E.
K'	18° 51'.999N., 72°33'281E.	L	19° 02'.898N., 72°29'198E.
L'	19° 03'.038N., 72°29'664E.	M	19° 23'.768N., 72°25'740E.
M'	19° 23'.799N., 72°26'239E.	N	19° 39'.793N., 72°26'885E.
N'	19° 39'.860N., 72°27'370E.	O	19° 43'.638N., 72°24'825E.
O'	19° 43'.874N., 72°25'139E.	P	19° 48'.157N., 72°19'173E.
P'	19° 48'.459N., 72°19'372N.	Q	19° 55'.714N., 71°53'379E.
Q'	19° 56'.169N., 71°53'370E.	R	19° 55'.152N., 71°23'685E.
R'	19° 55'.550N., 71°23'714E.	S	18° 15'.900N., 72°32'139E.
S'	18° 15'.996N., 72°32'647E.	T	18° 29'.828N., 72°29'991E.

***073 (P) (06/18) INDIA – WEST COAST – Approaches to Mumbai – Safety Fairways. (Continued).**

T'	18° 29'.936N., 72°30'604E.	U	18° 48'.823N., 72°33'525E.
U'	18° 48'.761N., 72°34'111E.		

2. Mariners are advised to navigate with caution.

Charts affected – 21 – 22(INT 752) – 292(INT 7021) – 293(INT 7022) – 255(INT 7334) – 254(INT 7331) – 253(INT 7328) – 256(INT 7340) – 211 – 212 – 210 – 2016(INT 7336).



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 are operating on trial basis:-

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)	Vengrula 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)	Balasure	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 crew 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 14 of 2008(16th July 2008).

(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) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) 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-Sheva harbour 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/ IRRIDUM 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.

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 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</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>E.W.Liner Charts & Publication (India) 2/524, Sandeep Road, ChinnaNeelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com Web: www.ewliner.com</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 Engineering Logistics Executive Multi Services Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in</p>
<p>M/s SVR Chart Agencies Door No.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : mahalakshmitravels99@gmail.com mahalakshmitravels@hotmail.com</p>	<p>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in</p>
<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, 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>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 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>L. R. Marine Services 301, 3rd Floor, Biryra House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani’sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com</p>	<p>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 sanjeev.sharma@iictechnologies.com Web: www.iictechnologies.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 – 2012.

2. NAVAREA VIII Warnings in force as on 15 Mar 18:

2016 SERIES – 723
2017 SERIES – 305 345 394 493 529 635 685 697 710 723 762 814 829 836 866 872 876 909
2018 SERIES – 028 047 049 056 095 115 142 145 160 165 168 169 170 171 173 177 178 180 182 184 185 186 187 188 189 190 194 195 196 197 198 199 200 201 203 205 206 209 210 211 213 214

3. NAVAREA VIII Warnings issued during the period from 01 Mar 18 to 15 Mar 18 (both dates inclusive) are as tabulated below:–

178. India East Coast – off Gopalpur. Charts 31 352 353 3005 INT 71. Army Air Defence Firing and BPTA Flight scheduled daily from 01-06, 08-10, 26-28 Mar 18 from 0130-0830 and 0930-1430 UTC and 12-14, 20-22 Mar 18 from 0130-1130 and 1230-1430 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 40 NM radius joining point B and C.

2. Cancel NAVAREA VIII 164 and this MSG 281530 UTC Mar 18.

179. India East Coast- Vishakhapatnam. Charts 31 308 3002 INT 71. Firing by Naval Coast Battery scheduled on 07 Mar 18 from 0001 - 0130 UTC in danger sector extending upto 17 NM between bearing 070 and 130 from 17-42N 083-18E.

2. Cancel this MSG 070230 UTC Mar 18.

180. India West Coast - off Neelam to Mumbai ODA. Charts 21 255 256 292 INT 71. SV Flamboyant progressing survey in areas bounded by (A) 19-42.14N 071-04.27E, 19-41.27N 072-09.72E, 18-55.15N 072-20.41E, 19-02.88N 071-03.78E (B) 18-49.29N 072-13.1E, 18-27.86N 072-08.92E, 18-27.65N 072-24.31E, 18-48.41N 072-23.36E (C) 18-40.89N 070-57.4E, 18-40.83N 071-03.84E, 18-33.99N 071-03.76E, 18-34.05N 070-57.32E. Wide berth requested.

2. Cancel this MSG 311830 UTC Mar 18.

181. India West Coast - off Okha. Charts 21 252 271 292 INT 71. SV Polar Duchess progressing seismic survey in area bounded by 21-48.35N 068-24.68E, 21-26.78N 068-37.48E, 21-24.83N 068-30.67E, 21-26.98N 068-29.32E, 21-25.33N 068-23.68E, 21-41.66N 068-18.42E, 21-42.66N 068-21.99E, 21-46.93N 068-19.64E. Wide berth requested.

2. Cancel this MSG 311830 UTC Mar 18.

182. India West Coast. Charts 251 254 255 292 INT 71. Rig list:-

ABAN ICE	19-13.88N 071-02.41E
ABAN III	18-16.38N 072-22.82E
ABAN IV	18-43.45N 072-20.32E
ACTINIA	19-19.57N 071-01.61E
CE THORNTON	18-29.86N 072-15.00E
DEEP DRILLER 4	21-03.93N 072-31.62E
DEEP SEA FORTUNE	19-14.25N 072-06.45E
DEEP SEA FOSSIL	19-18.12N 071-30.38E
DEEP SEA MATDRILL	20-39.70N 072-15.80E
DYNAMIC VISION	19-11.05N 072-11.21E
FG MCCLINTOCK	18-45.65N 072-19.22E
GALVESTON KEY	20-37.78N 072-04.07E
GREAT DRILL CHAAYA	19-15.20N 072-02.16E
GREAT DRILL CHAARU	19-10.81N 072-07.03E
GREAT DRILL CHETNA	19-12.91N 071-01.06E
GREAT DRILL CHITRA	19-22.58N 071-00.85E
HARVEY H WARD	20-07.43N 071-58.07E
JINDAL STAR	19-05.33N 072-06.88E
JINDAL SUPREME	19-41.90N 072-19.83E
JT ANGEL	19-20.95N 071-18.20E NEW
NOBLE ED HOLT	20-11.53N 071-52.25E
PARAGON L786	18-34.48N 072-16.77E
PARAGON M 1161	19-36.62N 071-20.67E
PARAMESWARA	20-13.10N 071-49.00E
SAGAR GAURAV	22-26.27N 068-34.43E
SAGAR JYOTI	19-04.70N 071-54.11E
SAGAR KIRAN	19-07.35N 072-06.45E
SAGAR SHAKTI	19-15.49N 072-08.23E
SAGAR UDAY	19-08.42N 070-53.87E
TRIDENT II	19-17.81N 070-56.18E
TRIDENT XII	19-14.80N 070-59.00E

182. Continued.	VALIANT DRILLER 19-39.80N 071-17.59E VICTORY DRILLER 19-28.70N 071-46.66E VIRTUE-I 19-15.20N 072-02.17E VIVEKANANDA1 19-15.64N 072-06.59E VIVEKANANDA2 19-29.98N 071-16.28E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 176.
183. NAVAREA VIII warnings in force as on 01 Mar 18:-	2016 SERIES - 723 2017 SERIES – 305 345 394 493 529 635 685 697 710 723 762 814 829 836 866 872 876 909 2018 SERIES - 028 047 049 056 095 115 120 128 142 145 147 153 160 165 168 169 170 171 173 174 177 178 179 180 181 182 (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet. (B) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.gov.in .
2.	Cancel this MSG 091000 UTC Mar 18.
184. India West Coast - NE Arabian Sea.	Charts 21 255 292 293 INT 71. MV Samudra Ratnakar progressing survey in area bounded by 18-59.29N 069-24.97E, 18-59.55N 070-31.09E, 18-07.75N 071-01.37E, 18-07.65N 069-52.5E. Wide berth requested.
2.	Cancel this MSG 311830 UTC Mar 18.
185. India West Coast - Gulf of Kachchh.	Charts 203 2051 2060 2068 2124 INT 71. Salaya channel fairway buoy (22-30N 069-31E) missing.
186. India East Coast – Nagapattinam.	Charts 32 357 3007 INT 71. DGPS (10-46N 079-51E) off.
187. India West Coast – Safety Fairway off Tapti ODA.	Charts 21 207 210 254 INT 71. Platform reported 20-05.3N 071-53.2E. Wide berth advised.
188. Lakshadweep Sea – off Pamban.	Charts 262 317 INT 71. INS Sutlej progressing hydrographic survey in area bounded within 09-05.59N TO 09-17.29N and 079-01.92E TO 079-15.12E. Wide berth requested.
2.	Cancel this MSG 311830 UTC Mar 18.
189. India East Coast - off Kakinada.	Charts 31 355 INT 71. SV Miclyn endurance progressing pipe line survey using AUV and ROV in area bounded by 16-32.3N 082-35.05E, 16-36.2N 082-39.64E, 16-36.13N 082-48.47E, 16-20.91N 082-48.33E, 16-21.01N 082-35.85E, 16-31.76N 082-35.52E. Wide berth requested.
2.	Cancel NAVAREA VIII 174 and this MSG 281830 UTC Mar 18.
190. India East Coast - off Nagapattinam.	Charts 315 357 358 INT 71. RV Samudra Kaustubh progressing seismic survey in area bounded by 10-30.43N 079-54.07E, 10-19.6N 080-02.85E, 10-30.43N 080-00.69E, 10-19.6N 079-55.87E. Wide berth requested.
2.	Cancel this MSG 281830 UTC Mar 18.
191. Cancel NAVAREA VIII 147 and this MSG.	
192. Central Arabian Sea.	Chart INT 71. MV Maersk Honam reported abandoned due fire and adrift 270-1.4kts at 070820 UTC Mar 18 in position 10-20N 065-49E. 04 crews missing.
193. Andaman Sea – off Barren I.	CHARTS 41 404 473 INT 71. Firing by Naval Ships scheduled on 13 Mar 18 from 0830-1230 UTC in danger area bounded within 11-45N to 12-15N and 093-15E to 093-45E.
2.	Cancel this MSG 131330 UTC Mar 18.
194. Bay Of Bengal – off Visakhapatnam.	Charts 31 308 354 INT 71 706. Firing by Naval Ships scheduled daily from 14 - 17 MAR 18 from 0100-0330 UTC in danger area bounded within 17-15N to 17-30N and 083-45E to 084-00E.
2.	Cancel this MSG 170430 UTC Mar 18.
195. Andaman Sea – off Barren I.	Charts 41 473 INT 71. Firing practice by CG Aircraft scheduled daily from 14-15, 19-20, 26-27 Mar 18 from 0430-0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E.
2.	Cancel this MSG 271030 UTC Mar 18.
196. Central Bay of Bengal.	Charts 31 INT 71 706. Firing by Naval Ships scheduled on 15, 16 Mar 18 from 0100-1330 UTC in danger area bounded within 14-47N to 15-47N and 085-52E to 088-00E.
2.	Cancel this MSG 161430 UTC Mar 18.
197. Andaman Sea – off Irrawaddy.	Charts 41 451 INT 71. MV Polarcus Alima progressing seismic survey in area bounded by 15-15.68N 094-42.9E, 15-15.54N 094-51.13E, 14-57.18N 094-50.99E, 14-57.2N 094-42.61E. Wide berth of 2.2 NM from area requested.
2.	Cancel this MSG 161830 UTC Apr 18.
198. India West Coast – Gulf of Khambhat.	Charts 2044 INT 71. Gopnath DGPS (21-12N 072-07E) off.
199. India West Coast - off Neelam ODA.	Charts 21 211 255 292 INT 71. SV Polar Duchess progressing seismic survey from 11 Mar 18 in areas bounded by (A) 18-54.85N 071-24.19E, 18-54.85N 071-38.70E, 18-54.75N 071-38.70E, 18-54.70N 071-43.75E, 18-53N 071-53E, 18-54.43N 072-08.13E, 18-55N 072-19.5E, 18-55N 072-28.1E, 18-49.5N 072-28E, 18-49.6N 072-12E, 18-49.7N 071-53E, 18-49.8N 071-24.15E (B) 18-49.7N 071-40E, 18-49.7N 071-53E, 18-49.7N 072-25.8E, 18-49.7N 072-09E, 18-49.7N 072-12E, 18-49.7N 072-19E, 18-40N 072-19E, 18-40N 072-06.8E,

<p>199. Continued. 18-40N 072-04E, 18-40N 071-40E. Wide berth requested. 2. Cancel NAVAREA VIII 181 and this MSG 201830 UTC Mar 18.</p>
<p>200. India West Coast – off Mumbai. Charts 21 255 292 INT 71. SV Polar Marquis progressing survey in area bounded by 18-55N 071-33E, 19-12N 071-33E, 19-12N 072-01E, 19-01.2N 072-01E, 19-01.2N 072-19.5E, 18-54.5N 072-19.5E. Vessel towing 12 Streamers of 6 km. 2. Wide berth from area requested. 3. Cancel NAVAREA VIII MSG 120 and this MSG 031830 UTC Apr 18.</p>
<p>201. NAVAREA VIII warnings in force as on 09 Mar 18:- 2016 SERIES - 723 2017 SERIES – 305 345 394 493 529 635 685 697 710 723 762 814 829 836 866 872 876 909 2018 SERIES - 028 047 049 056 095 115 142 145 153 160 165 168 169 170 171 173 177 178 180 182 184 185 186 187 188 189 190 192 193 194 195 196 197 198 199 200 (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet. (B) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in www.hydrobharat.gov.in. 2. Cancel this MSG 161000 UTC Mar 18.</p>
<p>202. South Central Arabian Sea. Chart INT 71. Abandoned MV Maersk Honam adrift 09-29N 065-44E at 100900 UTC Mar 18. 04 crews missing. 2. Cancel NAVAREA VIII MSG 192.</p>
<p>203. Lakshadweep Sea - Minicoy. CHARTS 22 23 273 2006 INT 71. DGPS (08-16N 073-01E) off.</p>
<p>204. India West Coast - Off Trivandrum. Charts 22 222 INT 71. Rocket launch from Thumba (08-32.05N 076-52.01E) scheduled on 16, 17 Mar from 1230-1430 UTC and 18 Mar 18 from 1430-1630 UTC. 2. Danger sector:- (A) Radius of 110 NM from Thumba between azimuth 220 and 260. 3. Cancel this MSG 181730 UTC Mar 18.</p>
<p>205. India East Coast – Off Chennai. Charts 32 INT 71. Firing by CG Aircraft scheduled daily from 16 - 30 Mar 18 from 0130 - 1130 UTC in danger area bounded within 12-00N to 12-20N and 082-20E to 082-45E. 2. Cancel this MSG 301230 UTC Mar 18.</p>
<p>206. India West Coast – off Karwar. Charts 22 214 257 INT 71. Firing by CG Aircraft scheduled daily from 14 - 31 Mar 18 from 0400 - 0700 UTC in danger area bounded by 15-06N 073-40E, 15-06N 073-47E, 14-57N 073-47E, 14-56N 073-40E. 2. Cancel this MSG 310800 UTC Mar 18.</p>
<p>207. South Central Arabian Sea. Chart INT 71. TUG Amazon Chieftain towing MV Maersk Honam with 500 m TOW length to Salalah. PCS 10-52.8N 065-53.3E/310/1.8 AT 130400 UTC Mar 18. 2. Cancel NAVAREA VIII MSG 202.</p>
<p>208. Cancel NAVAREA VIII 153 and this MSG.</p>
<p>209. India East Coast – Pondicherry. Charts 3003 INT 706. DGPS (11-55N 079-50E) off. 2. Cancel this MSG 241830 UTC Mar 18.</p>
<p>210. India West Coast – Surathkal. Charts 2052 INT 71. DGPS (13-01N 074-48E) off. 2. Cancel this MSG 241330 UTC Mar 18.</p>
<p>211. Lakshadweep Sea - off Colombo. Charts 263 INT 71. SLFV Soboda5 reported adrift 06-42N 078-38E at 131130 UTC Mar 18. 2. Cancel this MSG 161130 UTC Mar 18.</p>
<p>212. Cancel NAVAREA VIII MSG 204 and this MSG.</p>
<p>213. Bay Of Bengal – off Chittagong. Charts 31 361 3012 INT 71. Firing scheduled daily on 19, 20 Mar 18 from 0100 - 1700 UTC in danger sector extending upto 6.8 NM between bearing 330 from 22-23.50N 091-45.33E and 280 from 22-20.75N 091-45.71E. 2. Cancel this MSG 201800 UTC Mar 18.</p>
<p>214. Central Arabian Sea. Chart INT 71. Tug Amazon Chieftain towing MV Maersk Honam with 500 M tow length to Salalah. PCS 12-51.4N 065-18.7E/355/1.6 at 150400 UTC Mar 18. 2. Cancel NAVAREA VIII MSG 207.</p>

6.1

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D6769	MPUNGUTIJAJUU ISLAND (PUNGUTIAJU ISLAND) -Mpungutiyajuu Island	04 42.22S 39 24.42E	FI W 2s	16	10	White GRP tower, black bands 16	<i>fl</i> 0.3. W105°- 025°(280°). *
D6774	- LdgLts 346°. Front. RasKiberamini.	04 02.85 S 39 40.69E	FI W 2s	4	8	White column, black bands	Vis 90° each side of leading line *
D6774.1	- - Rear. 490m from front. RasKisauni	04 02.59 S 39 40.63 E	Q W	8	8	White column, black bands	Vis 90° each side of leading line *
D6794	- Mtongwe. LdgLts 309°25'. Front	04 03.67 S 39 38.48E	Q R	21	3	White column	*
D6794.1	- - - Rear. 250m from front	04 03.58S 39 38.38 E	FIR 2s	28	6	White obelisk	R220°- 040°(180°). *
D6813	Removefrom list; deleted						*
D6818	MTWAPA CREEK - Cannon Point	03 57.73 S 39 45.77E	FI W 10s	19	11	White square concrete tower, black bands 13	*
D6826.1	- - - Rear. 60m from front	03 13.07S 40 07.44E	F R	25	TE 2018 *
D6936	EAST COAST - Iharana (Vohepar). LdgLts 260°. Front. No 3. S point of N reef.	13 21.00 S 50 00.30 E	Q G	4	5	White beacon, green top 7	*
D6936.1	- - - Rear. No 5. 1.8M from front	13 21.27S 49 58.43E	Q W	63	5	White pyramidal tower and hut 8	*
D6939	Removefrom list; deleted						*
D6940	- Iharana (Vohepar). No 2. N part of S reef	13 21.00 S 50 00.90 E	FI R 4s	..	5	□ On red beacon	*
D7032	WEST COAST - Maintirano	18 04.00 S 44 01.20 E	IsoW4s	29	9	White 8- sided tower 12	*
D7299.504	- -Shi'bQaham	21 27.19N 39 06.69E	FIWRG 2.5s	14	W14	Black □ on white structure	<i>fl</i> 0.2. G010°-039° (29°), W039°-064° (25°), R064°-128° (64°), W128°-178° (50°), R178°-010° (192°). ILRSVol 2 Station 75960 *
F0449	- - - - Ghogha. PERIGEE LT V - - - Riding light - - -	.. 21 42.11 N 72 18.00 E	Racon FI W 7s QW Bell	.. 12 8 Red hull	.. Ra refl *
F0700	- LdgLts 076° 7'. Front *	09 58.52N 76 15.81E	Q W	16	11	White metal framework tower, red bands	Common rear F0700.1
F0700.1	-- Common rear. -LdgLts 321° 06'. Common rear. *	09 58.58 N 76 16.08 E ..	Iso W 4s Iso W 4s	26 12	11 11	White metal framework tower, red bands ..	Front F0700 Front F0703

7.2

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
F1650	TgTohor	01 50.67 N 102 42.11 E *	FI W 15s *	16	13		*
F1807	- Maga. LdgLts 221°. Front *	00 47.56 N 104 35.22 E	FI W 5s	12	10	White Δ on white metal framework structure 8	<i>fl 0.5</i>
F1807.1	--- Rear. PuMantang *	00 47.30 N 104 35.00 E *	FI(2)W10s	14	10	White ∇ on white metal framework structure 10	<i>fl 0.5, ec 2, fl 0.5, ec 7</i>

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 05 dated 01 Mar 2018)

NIL

INP 31(2), 2014

(Last correction: Edition No. 23 dated 01 Dec 2017)

NIL

INP 31(5), 2017

(Last correction: Edition No. 02 dated 16 Jan 2018)

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

Delete entry 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 89957000 Fax: +60 3 89414000 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)	331670530(H24) 331695100(Office hours,0800-1700LT)	331671334(H24) 331685020 (Office hours, 0800-1700LT)	Email: mmcc@marine.gov.my
Malaysian Mission Control Centre(MyMCC)	9 5807175	9 5807176	Email: mymcc@mmea.gov.my
KUALALUMPURRCC (Cospas-Sarsat SPOC)	378465859 378465860 378465233	378466839	AFTN:WMKKYCYX
MRCCPUTRAJAYA	389413140	389413129	Email:mrccputrajaya@mmea.gov.my
Peninsular Malaysia			
MRSC JOHOR BAHRU	72219231	72219231 72279285	Email; mrscjohorbharu@mmea.gov.my

8.2

MRSCKUANTAN	95734066 (General line) 95735587 (OpsRoom)	95738476	Email: mrsckuantan@mmea.gov.my
MRSCLANGKAWI	49665307	49662768	Email: mrsclangkawi@mmea.gov.my
Sabah and Sarawak			
MRSC KOTA KINABALU	88 270165	88 270105	Email: mrsckotakinabalu@mmea.gov.my
MRSC KUCHING	82 432544	82 432554	Email: mrsckuching@mmea.gov.my

*(Source: BA 07/18)**(06 /18)***INP 31(6), 2012***(Last correction: Edition No. 04 dated 16 Feb 2018)***NIL**

SECTION – X

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.

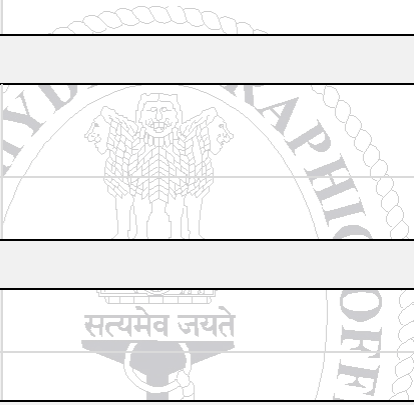

Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further, 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, ENCs and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry	<input type="checkbox"/> Nav. Dangers	<input type="checkbox"/> Nav. aids		
	<input type="checkbox"/> Designated Areas	<input type="checkbox"/> Others			
Geographical Position (See Instructions Overleaf)	Latitude		Longitude		
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected				Edition	
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected				Edition	
Page No./Light No. etc					
Details:					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

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

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

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



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: indsar@vsnl.net

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC