



INDIAN NOTICES TO MARINERS



EDITION NO. 05 DATED 01 MAR 2017

(CONTAINS NOTICES 053 TO 058)

REACH US 24 x 7



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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>
2009	31-01-2017	BETUL ANCHORAGE <u>LIMITS</u> 15° 04'.50N; 73° 47'.30E. 15° 13'.20N; 73° 58'.00E.	30,000	3	Rs. 1870.00
		BELEKERI ANCHORAGE <u>LIMITS</u> 14° 37'.50N; 74° 06'.60E. 14° 45'.00N; 74° 17'.28E.	30,000		
2506 (INT 77394)	31-01-2017	GRAND BAY <u>LIMITS</u> 20° 01'.13S; 57° 31'.60E. 19° 56'.56S; 57° 36'.14E.	25,000	1	Rs. 1870.00
		GRANDE RIVIERE NOIRE BAY <u>LIMITS</u> 20° 22'.60S; 57° 18'.35E. 20° 18'.04S; 57° 23'.00E.	25,000		
3013 (INT 7422)	31-01-2017	HUGLI RIVER – HALDIA TO KUKRAHATI REACH <u>LIMITS</u> 21° 53'.00N; 88° 00'.30E. 22° 13'.00S; 88° 14'.00E.	37,500	5	Rs. 1870.00

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2076 (INT 7338)	31-01-2017	JAWAHARLAL NEHRU PORT AND TROMBAY <u>LIMITS</u> 18° 53'.40N; 72° 52'.30E. 19° 04'.10N; 72° 59'.50E.	20,000	3	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>
2009	28-02-2010	BETUL ANCHORAGE	2009	31-01-2017
		BELEKERI ANCHORAGE		
2076 (INT 7338)	30-04-2015	JAWAHARLAL NEHRU PORT AND TROMBAY	2076 (INT 7338)	31-01-2017
2506	15-12-2013	GRAND BAY	2506 (INT 77394)	31-01-2017
		GRANDE RIVIERE NOIRE BAY		
3013 (INT 7422)	15-05-2009	HUGLI RIVER – HALDIA TO KUKRAHATI REACH	3013 (INT 7422)	31-01-2017

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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>
IN44014D	4014	RANGAT ABY TO DILIGENT STRAIT	21-02-2017
IN44015K	4015	DILIGENT STRAIT TO KOTARA ANCHORAGE	23-02-2017
IN53013K	3013	HUGLI RIVER – HALDIA TO KUKRAHATAI REACH	22-02-2017
IN52009U	2009	BETUL ANCHORAGE	22-02-2017
IN52009L	2009	BELEKERI ANCHORAGE	22-02-2017
IN54010C	4010	DUGONG CREEK	21-02-2017
IN52506D	2506	GRAND BAY	21-02-2017
IN52506B	2506	GRANDE REVIERE NOIRE BAY	21-02-2017
IN62123A	2123	AMBUJA ULWA JETTY	23-02-2017
IN62123U	2123	ULWA CHANNEL	23-02-2017

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52076N	2076	JAWAHARLAL NEHRU PORT AND TROMBAY	22-02-2017
IN63004C	3004	CHENNAI HARBOUR	21-02-2017

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52009B	2009	BETUL ANCHORAGE	01-06-2010
IN52009A	2009	BELEKERI ANCHORAGE	01-06-2010
IN53013H	3013	HUGLI RIVER – HALDIA TO KUKRAHATAI REACH	29-10-2009
IN54010D	4010	DUGONG CREEK	30-03-2009
IN44014R	4014	RANGAT ABY TO DILIGENT STRAIT	30-07-2010
IN44015D	4015	DILIGENT STRAIT TO KOTARA ANCHORAGE	13-12-2012
IN52076N	2076	JAWAHARLAL NEHRU PORT AND TROMBAY	30-04-2015
IN52506G	2506	GRAND BAY	03-12-2013
IN52506R	2506	GRAND REVIERE NOIRE BAY	03-12-2013
IN63004C	3004	CHENNAI HARBOUR	13-03-2015

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7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
256 (INT 7340)	MURUD – JANJIRA HARBOUR TO MALVAN	300,000	New Edition
301	APPROACHES TO HUGLI RIVER	150,000	New Chart
2359 (INT 7350)	APPROACHES TO PORT OF NEW MANGALORE	50,000	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	
3011 (INT 7421)	HUGLI RIVER – GASPER CHANNEL TO HALDIA	75,000	New Chart
4177	TILLANCHANG ISLAND	25,000	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	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 053 to 058 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
20	1	55
31	5	58(T)
207	2	53
210	2	56
289	1	55
371	7	58(T)
2008	3	54
2010	3	54
2100 (INT 7344)	2	53
2104	3	56
3004 (INT 7403)	5	56
3028 (INT 7404)	5	57(T)



SECTION – II**PERMANENT NOTICES*****053/(05/17) INDIA – WEST COAST – Gulf of Khambhat – Approaches to Port Pipavav – Spoil Ground.**

Source: APM Terminal, Pipavav Port Trust.

Chart 207 [previous update 124/16]

Insert spoil ground, pecked line, joining: (a) 20° 51′.49N., 71° 30′.42E.
 20° 51′.49N., 71° 33′.30E.
 20° 52′.57N., 71° 33′.30E.
 20° 52′.57N., 71° 30′.42E.
 (a) above
 legend, “*Spoil Ground*”, centered on 20° 52′.00N., 71° 31′.80E.

Chart 2100 (INT 7344) [previous update 124/16]

Insert spoil ground, pecked line, joining: (a) 20° 51′.49N., 71° 30′.42E.
 20° 51′.49N., 71° 33′.30E.
 20° 52′.57N., 71° 33′.30E.
 20° 52′.57N., 71° 30′.42E.
 (b) above
 legend, “*Spoil Ground*”, centered on 20° 52′.00N., 71° 31′.80E.

Chart 2100 (INT 7344) (Plan) [previous update 124/16]

Insert spoil ground, pecked line, joining: 20° 52′.57N., 71° 31′.82E. (E Border)
 20° 52′.57N., 71° 30′.42E.
 20° 52′.47N., 71° 30′.42E. (S Border)
 legend, “*Spoil Ground*”, centered on 20° 52′.50N., 71° 31′.15E.

***054 (05/17) INDIA – WEST COAST – Karwar Naval Harbour – Legend.**

Source: NHO, Dehradun.

Chart 2008 [previous update 176/16]

Insert legend, “*BINGE BAY*”, centered on: 14° 46′.47N., 74° 08′.04E.

Chart 2010 [previous update 176/16]

Insert legend, “*BINGE BAY*”, centered on: 14° 46′.51N., 74° 07′.90E.


***055 (05/17) Strait of Hormuz to Qatar – Buoy.**

Source: BA Notice. (6303/16)

Chart 20 [previous update 043/17]

Delete  *LF.10s*
Abudhabi 24° 40′.09N., 54° 14′.12E.
AIS Racon (T)

Chart 289 [previous update 043/17]

Delete  *LF.10s*
Abudhabi 24° 40′.09N., 54° 14′.12E.
AIS Racon (T)

***056 (05/17) Miscellaneous updates to charts.**

Source: NHO Dehradun.

Chart	Previous Updates	Details
210	164/16	For reprint chart 210 (031.17)
		For; Notice to Mariners 2014 – 95 – 101 – 201 – 2015 – 153 – 154 – 164 – 2016 – 161 – 2017 –
		Read; Notice to Mariners 2014 – 95 – 101 – 201 – 2015 – 153 – 154 – 164 – 2016 – 135 – 161 – 2017 –
2104	034/15	For reprint chart 2104 (305.16)
		For; Notice to Mariners – 2014 – 60 – 79 – 2015 – 34
		Read; Notice to Mariners – 2013 – 60 – 2014 – 79 – 2015 – 34
3004 (INT 7403)	NE 30 NOV 2016	For reprint chart 3004 (INT 7403) (335.16)
		For; Notice to Mariners –
		Read; Notice to Mariners – 2017 – 37 –

SECTION – III**TEMPORARY AND PRELIMINARY NOTICES*****057 (T) (05/17) INDIA – EAST COAST – Kamarajar Port (Ennore) – Light.**

Source: Kamarajar Port Ltd.

1. Following lights are unlit:-

SI No	Light	Position	Status
01	Transit Light (TL1)	13° 15′ 82N., 80° 20′ 06E.	Unlit
02	Transit Light (TL1)	13° 15′ 39N., 80° 20′ 37E.	Unlit

2. Mariners are advised to navigate with caution in the area and contact local port authorities for more details.

Charts affected – 3028 (INT 7404).***058 (T) (05/17) BAY OF BENGAL AND ANDAMAN SEA - Coast of Burma – Sittwe (Akyab) to Preparis Island – Drilling Operation.**

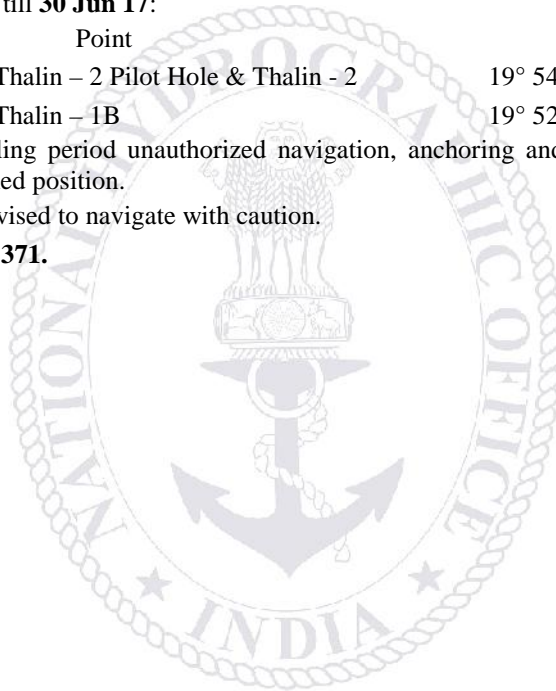
Source: Myanmar Hydrographic Office.

1. Drilling operation will be carried out by Dhirubhai Deepwater KG2 (call sign; V7PW7), in below mentioned co-ordinates till **30 Jun 17**:

Sl. No.	Point	Position
(a)	Thalin – 2 Pilot Hole & Thalin - 2	19° 54′ 64N., 91° 54′ 54E.
(b)	Thalin – 1B	19° 52′ 05N., 91° 54′ 03E.

2. During the drilling period unauthorized navigation, anchoring and fishing is prohibited within 500 M from the above mentioned position.

3. Mariners are advised to navigate with caution.

Charts affected – 31 – 371.

SECTION – IV **MARINE INFORMATION**

1. **NAVTEX TRANSMISSION**

Status of MSI Promulgation by NAVTEX Stations is as follows:-

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Temporarily Out of Operation

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)	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 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 icgmrcc_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. Sunderlal Bahl 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, Chinna Neelangarai, 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>Gujarat Pipavav Port Limited PO – Uchchaya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</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: 022-6510 3668, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@smsmarine.co.in , raj_chakravorty@yahoo.com Web: www.smsmarine.co.in</p>
<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, Wadi Bunder, 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>Global Marine Infratech Pvt. Ltd. Ground Floor, Siksha Sandan, 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, Flat C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftmarine.org Web: www.liftmarine.org</p>	<p>L. R. Marine Services 301, 3rd Floor, Biry House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</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 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@ictechnologies.com sanjeev.sharma@ictechnologies.com Web: www.ictechnologies.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani’s Plam 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 – 2012.

2. NAVAREA VIII Warnings in force as on 28 Feb 17:

2015 SERIES –334

2016 SERIES –432 464 572 644 685 702 723 729 779 780

2017 SERIES –016 050 055 061 063 081 110 113 114 118 119 134 135 136 142 143 144 145 146
148 149 150 151 152 153 154 155 156 158 160 161 162

3. NAVAREA VIII Warnings issued during the period from 16 Feb to 28 Feb 17 (both dates inclusive) are as tabulated below:–

<p>117. India West Coast – Okha. Charts 21 203 2068 INT 71. Firing by Naval Coast Battery scheduled on 20 Feb 17 from 0530-0730 UTC.</p> <p>2. Danger sector extending upto 12 NM within bearing 300 to 020 from 22-28.04N 069-04.99E.</p> <p>3. Cancel this MSG 200830 UTC Feb 17.</p>																				
<p>118. India East Coast. Charts 355 356 INT 706. Rig list correct at 161002 UTC Feb 17.</p> <table> <tr><td>ABAN ABRAHAM</td><td>16-11.60N 082-10.06E NEW</td></tr> <tr><td>ABAN II</td><td>16-23.23N 082-01.41E</td></tr> <tr><td>DDKG 2</td><td>16-41.52N 082-42.73E</td></tr> <tr><td>DEEP DRILLER 5</td><td>13-59.90N 080-22.37E</td></tr> <tr><td>DS MATDRILL</td><td>16-15.88N 081-41.93E</td></tr> <tr><td>JACK BATES</td><td>16-15.28N 082-12.98E</td></tr> <tr><td>RIG 805</td><td>16-40.18N 082-25.72E</td></tr> <tr><td>SAGAR BHUSHAN</td><td>16-17.74N 082-11.03E</td></tr> <tr><td>SAGAR RATNA</td><td>16-22.60N 081-58.60E NEW</td></tr> <tr><td>SAGAR VIJAY</td><td>16-19.41N 082-10.51E</td></tr> </table> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII MSG 101/17.</p>	ABAN ABRAHAM	16-11.60N 082-10.06E NEW	ABAN II	16-23.23N 082-01.41E	DDKG 2	16-41.52N 082-42.73E	DEEP DRILLER 5	13-59.90N 080-22.37E	DS MATDRILL	16-15.88N 081-41.93E	JACK BATES	16-15.28N 082-12.98E	RIG 805	16-40.18N 082-25.72E	SAGAR BHUSHAN	16-17.74N 082-11.03E	SAGAR RATNA	16-22.60N 081-58.60E NEW	SAGAR VIJAY	16-19.41N 082-10.51E
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SAGAR RATNA	16-22.60N 081-58.60E NEW																			
SAGAR VIJAY	16-19.41N 082-10.51E																			
<p>119. Indian Ocean – Tanzania. Chart INT 70 71 BA 663. Stbd buoy 1 shifted to 05-03.69S 039-13.19E. Buoy 1 Fl G and installed with AIS, GPS, VHF antenna. New port buoy 2 Fl R laid in position 05-02.88S 039-08.68E.</p> <p>2. Cancel NAVAREA VIII MSG 064/16.</p>																				
<p>120. Bay of Bengal – off Trincomalee. Charts 359 3014 INT 71. Naval firing practice scheduled from 200230 to 200630 and 240300 to 240630 UTC Feb 17 in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E.</p> <p>2. Cancel this MSG 240730 UTC FEB 17.</p>																				
<p>121. India West Coast – Mumbai. Charts 21 211 255 293 2016 INT 71. Firing by Naval Coast Batteries scheduled on 22 and 23 Feb 17 from 0400 - 0900 UTC in danger areas bounded by.</p> <p>(a) 18-54.65N 072-50.58E, 18-50.00N 072-54.50E, 18-54.50N 072-54.00E, 18-55.17N 072-54.83E from Middle Ground.</p> <p>(b) 18-54.65N 072-50.58E, 18-50.00N 072-54.50E, 18-48.00N 072-52.00E, 18-54.08N 072-49.80E from oyster rock.</p> <p>(c) 18-47.00N 072-35.00E, 18-53.58N 072-48.75E, 19-00.00N 072-44.08E, 19-00.00N 072-35.00E from Colaba point.</p> <p>2. Cancel this MSG 231000 UTC Feb 17.</p>																				
<p>122. India East Coast – off Gopalpur. Charts 31 352 353 3005 INT 706. Army Air Defence firing and BPTA flight scheduled daily from 23 to 28 Feb 17 from 0130-0730 and 0830-1430 UTC in area bounded by (a) 19-14.60N 084-53.70E (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.</p> <p>2. Cancel this MSG 281530 UTC Feb 17.</p>																				
<p>123. Palk Strait – off Kankasanturai. Charts 32 358 INT 71. Naval firing practice scheduled on 21 Feb 17 from 0230-1330 UTC in danger circle extending 5 NM from 09-55N 080-33E.</p> <p>2. Cancel this MSG 211430 UTC Feb 17.</p>																				
<p>124. India West Coast. Charts 251 255 292 INT 71. Rig list correct at 171005 UTC Feb 17.</p> <table> <tr><td>ABAN III</td><td>18-55.53N 072-18.18E</td></tr> <tr><td>ABAN IV</td><td>18-43.45N 072-22.32E</td></tr> <tr><td>ACTINIA</td><td>19-02.60N 071-36.70E NEW</td></tr> <tr><td>CE THORNTON</td><td>18-40.10N 072-13.60E</td></tr> <tr><td>DYNAMIC VISION</td><td>19-11.03N 072-11.12E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-14.65N 071-26.03E</td></tr> </table>	ABAN III	18-55.53N 072-18.18E	ABAN IV	18-43.45N 072-22.32E	ACTINIA	19-02.60N 071-36.70E NEW	CE THORNTON	18-40.10N 072-13.60E	DYNAMIC VISION	19-11.03N 072-11.12E	DEEP SEA FORTUNE	19-14.65N 071-26.03E								
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CE THORNTON	18-40.10N 072-13.60E																			
DYNAMIC VISION	19-11.03N 072-11.12E																			
DEEP SEA FORTUNE	19-14.65N 071-26.03E																			

124. Continued.	
DEEP SEA FOSSIL	19-01.86N 071-32.50E NEW
FG MCCLINTOCK	18-31.98N 072-15.23E
GALVESTON KEY	20-36.05N 072-02.17E
GREAT DRILL CHAARU	19-11.99N 072-11.15E
GREAT DRILL CHAAYA	18-38.16N 071-00.80E NEW
GREAT DRILL CHITRA	19-51.14N 071-04.87E
HARVEY H WARD	18-34.57N 072-16.74E
JINDAL STAR	19-34.75N 071-59.00E
JT ANGEL	22-22.02N 068-34.31E SAFETY FAIRWAY
MERCURY FOCUS	21-15.78N 072-34.01E
NOBLE ED HOLT	19-12.48N 072-06.70E NEW
PARAGON L-786	19-19.47N 071-23.29E
PARAGON M 1161	19-27.68N 071-11.06E NEW
PARAMESWARA	22-49.60N 068-17.74E NEW
RON TAPMEYAR	19-25.34N 071-19.57E
ROWAN LOUISIANA	20-19.02N 071-48.00E NEW
SAGAR GAURAV	22-38.60N 068-25.20E NEW
SAGAR SHAKTI	19-15.09N 070-52.83E
SAGAR JYOTI	18-56.77N 071-54.32E
SAGAR KIRAN	19-19.64N 071-16.56E
SAGAR LAXMI	20-58.00N 071-33.00E
SAGAR PRAGATI	20-58.00N 071-33.00E
SAGAR UDAY	22-58.70N 068-35.80E NEW
TRIDENT II	19-27.37N 071-17.94E
VALIANT DRILLER	19-34.43N 071-23.09E
VICTORY DRILLER	19-37.40N 071-19.94E
VIRTUE-I	20-19.05N 072-00.52E
VIVEKANANDA-1	20-32.06N 072-09.16E
VIVEKANANDA-2	19-00.26N 071-51.96E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 097/17.
125. Lakshadweep Sea - Minicoy.	Charts 2006 INT 71. DGPS (08-16N 073-02E) inoperative on 20 Feb 17 from 0130 – 1030 UTC.
2.	Cancel this MSG 201130 UTC Feb 17.
126. India West Coast– Gulf of Khambhat.	Charts 207 254 INT 705. Narmada channel buoys 2, 4 retrieved, 7 relaid 20-56.0N 072-09.4E and 9 exhibiting Q FI R.
2.	Cancel NAVAREA VIII 111/17.
127. NAVAREA VIII warnings in force as on 17 Feb 17.	
	2015 Series – 334
	2016 Series - 432 464 572 644 685 702 723 729 779 780
	2017 Series – 002 016 021 031 036 039 040 050 055 061 063 069 074 079 081 083 087
	100 110 112 113 114 117 118 119 120 121 122 123 124 125 126
	(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 241000 UTC Feb 17.
128. Gulf of Mannar – off Sri Lanka.	Charts 23 262 263 INT 71. Firing practice scheduled on 23 Feb 17 from 0230 to 0630 UTC in danger circle extending 10 NM from 08-10N 079-42E.
2.	Cancel this MSG 230730 UTC Feb 17.
129. India East Coast- Chennai.	Charts 32 313 3004 INT 71. Firing by naval coast battery scheduled on 24 Feb 17 from 0530 - 0730 UTC.
2.	Danger sector extending upto 5.5 nm between bearing 045 and 075 from 13-07.02N 080-18.01E.
3.	Cancel this MSG 240830 UTC Feb 17.
130. India West Coast– Gulf of Khambhat.	Charts 207 254 INT 705. Narmada channel buoys 2, 4, 7 (20-56.0N 072-09.4E) relaid and 1, 9 retrieved.
2.	Cancel NAVAREA VIII 126/17.
131. India West Coast– Gulf of Khambhat.	Charts 207 254 INT 705. Narmada channel buoys 2, 4, 7 (20-56.0N 072-09.4E) relaid and 1, 9, Sultanpur retrieved.
2.	Cancel NAVAREA VIII 130/17.
132. Cancel NAVAREA MSG 036 100/17 and this MSG.	
133. Bay of Bengal – off Trincomalee.	Charts 359 3014 INT 71. Naval firing practice scheduled from 270230 to 270930 and 280330 to 280630 UTC Feb 17 in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E.
2.	Cancel this MSG 280730 UTC Feb 17.
134. India West Coast – off Veraval.	Charts 206 253 INT 71. INS Sarvekshak progressing hydrographic survey in area bounded within 20-16.5N to 21-06.8N and 069-50.0E to 071-12.5E.

134. Continued.
2. Wide berth from ship and survey boat requested.
3. Cancel this MSG 101830 UTC Mar 17.
135. Bay of Bengal – off Myanmar. Charts 371 INT 71. Drilling ops will be undertaken from 23 Feb 17 in position 19-54.63N 091-54.54E and 19-52.05N 091-54.02E.
2. Wide berth requested.
3. Cancel this MSG 301830 UTC Jun 17.
136. India West Coast – Jafarabad Port. Charts 2081 INT 71. Capital dredging in process by 15 dredgers.
2. Vessels approaching Jafarabad and Pipavav to exercise caution.
137. India West Coast – Neelam Heera Oda. Charts 211 256 INT 71. SV Fugro Mapper progressing survey in vicinity of 18-20.1N 072-15.1E, 18-20.3N 072-26.2E, 18-32.7N 072-13.9E.
2. Wide berth requested.
3. Cancel this MSG 241830 UTC Feb 17.
138. India West Coast – Safety Fairway off Tapti Oda. Charts 21 210 INT 71. Firing by CG aircraft scheduled on 25 Feb 17 from 0330-1130 UTC in danger area bounded by 20-13.3N 071-59.0E, 20-13.3N 072-08.0E, 20-06.0N 072-06.9E, 20-06.0N 071-57.7E.
2. Cancel this MSG 251230 UTC Feb 17.
139. Bay of Bengal – off Kankasanturai. Charts 32 358 INT 71. Naval firing practice scheduled on 26 Feb 17 from 0230-0630 UTC in danger circle extending 5 NM from 09-55N 080-33E.
2. Cancel this MSG 260730 UTC Feb 17.
140. India West Coast– Gulf of Khambhat. Charts 207 254 INT 705. Narmada channel buoys 2, 4, 7 (20-56.0N 072-09.4E) relaid, buoys 1, 9, Sultanpur retrieved and buoy 6 missing.
2. Cancel NAVAREA VIII MSG 131/17.
141. Lakshadweep Sea – off Colombo. Charts 23 263 INT 71. Firing practice scheduled on 28 Feb 17 from 0330 to 0930 UTC in danger area bounded within 06-35N TO 06-50N and 079-25E to 079-39E.
2. Cancel this MSG 281030 UTC Feb 17.
142. India East Coast- Vishakhapatnam. Charts 31 308 INT 71. Firing by naval coast battery scheduled on 01 Mar 17 from 0630 - 1030 UTC in danger sector extending upto 15 NM between bearing 070 and 130 from 17-42N 083-18E.
2. Cancel this MSG 011130 UTC Mar 17.
143. India East Coast – off Balasore. Charts 31 351 352 INT 71. Experimental flight trial scheduled from ITR from 010230 to 010630 and 020330 to 020730 UTC Mar 17 in danger zone bounded by 21-22.04N 086-56.37E, 21-09.75N 086-50.59E, 19-37.38N 087-31.93E, 20-02.60N 088-35.28E, 21-37.29N 087-52.26E.
2. Cancel this MSG 020830 UTC Mar 17.
144. India West Coast – NE Arabian Sea. Charts 22 293 INT 71. firing by naval ships scheduled on 02 and 03 Mar 17 from 0430 – 0730 UTC in danger areas bounded by (a) 17-15N 070-20E, 16-48N 071-34E, 15-18.0N 070-28E, 16-13N 069-08E (b) 18-02N 069-08E, 17-36N 069-35E, 17-30N 067-05E, 17-47N 067-49E.
2. Cancel this MSG 030830 UTC Mar 17.
145. India West Coast – Okha. Charts 21 203 2068 INT 71. Firing by naval coast battery scheduled on 02 Mar 17 from 0530-0730 UTC.
2. Danger sector extending upto 12 NM within bearing 300 to 020 from 22-28.04N 069-04.99E.
3. Cancel this MSG 020830 UTC Mar 17.
146. India West Coast – off Gulf of Khambhat. Charts 21 210 254 INT 71. Unmanned platforms reported 20-05.73N 071-41.57E, 20-32.19N 072-52.27E, 20-11.66N 071-52.27E.
2. Wide berth requested.
147. India West Coast– Gulf of Khambhat. Charts 207 254 INT 705. Narmada channel buoys 1, 9 retrieved and 6 missing.
2. Cancel NAVAREA VIII MSG 140/17.
148. NAVAREA VIII warnings in force as on 24 Feb 17. 2015 Series – 334 2016 Series - 432 464 572 644 685 702 723 729 779 780 2017 Series – 002 016 021 050 055 061 063 074 079 081 087 110 113 114 118 119 122 124 133 134 135 136 138 139 141 142 143 144 145 146 147 (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 031000 UTC Mar 17.
149. India West Coast – Safety Fairway off Mumbai. Charts 255 INT 71. SV Polar Marquis progressing seismic survey in area bounded by 18-52.2N 071-06.5E, 18-55.0N 071-06.5E, 18-54.8N 071-38.3E, 18-52.0N 071-30.5E. Vessel towing 10 streamers of 6 KM.
2. Wide berth of 5 NM requested.
3. Cancel this MSG 011830 UTC Mar 17.
150. India West Coast – Safety Fairway off Mumbai. Charts 255 293 INT 71. GTV Samudra Sarvekshak progressing soil coring in vicinity of 18-53.3N 071-52.5E, 18-52.5N 071-25.4E, 18-53.9N 071-20.3E.
2. Wide berth requested.

150. Continued.																																		
3. Cancel this MSG 151830 UTC Mar 17.																																		
151. India West Coast – off Mumbai Oda. Charts 21 255 INT 71. SV Polar Duchess and Polar Marquis progressing seismic survey in area bounded by 19-13.5N 071-05.3E, 19-16.9N 071-14.9E, 19-13.9N 071-16.2E, 19-14.7N 071-17.9E, 19-11.8N 071-19.0E, 19-12.9N 071-22.0E, 19-11.6N 071-22.4E, 19-12.7N 071-25.6E, 19-10.5N 071-26.5E, 19-12.2N 071-31.4E, 19-14.4N 071-30.5E, 19-16.9N 071-38.0E, 18-54.9N 071-38.0E, 18-55.8N 071-26.0E, 18-55.0N 071-11.8E, 19-00.0N 071-11.5E, 19-00.0N 071-15.0E, 19-05.0N 071-15.0E and 19-46.0N 071-32.0E, 19-46.0N 071-40.0E, 19-41.0N 071-40.0E, 19-41.0N 071-45.0E, 19-46.0N 071-45.0E, 19-46.0N 071-57.0E, 19-31.3N 071-57.0E, 19-31.3N 071-32.0E. 2. Wide berth of over 10 NM requested. 3. Cancel this MSG 261830 UTC Mar 17.																																		
152. India West Coast – off Mumbai and Neelam ODA. Charts 255 256 INT 71. SV Fugro Mapper progressing survey in vicinity of 16-28.0N 072-17.3E, 18-32.7N 072-14.0E, 18-39.2 070-58.7E, 19-15.6N 072-06.6E, 18-16.4N 072-22.8E, 18-16.3N 072-22.6E, 18-15.5N 072-16.3E, 20-08.7N 071-44.9E, 19-04.3N 072-05.4E, 19-39.6N 071-17.6E, 19-27.4N 071-17.9E, 18-40.4N 072-21.4E. 2. Wide berth requested.																																		
153. India West Coast – Gulf of Khambhat. Charts 254 INT 71. MT Surat progressing pipeline survey in area bounded by 21-13.1N 072-27.3E, 21-13.2N 072-35.8E, 21-01.5N 072-38.8E, 21-01.4N 072-36.3E 2. Wide berth requested. 3. Cancel this MSG 141830 UTC Mar 17.																																		
154. India East Coast – off Gopalpur. Charts 31 352 353 3005 INT 706. Army air defence firing and BPTA flight scheduled daily from 01 to 10 Mar 17 from 0130-0730 and 0830-1430 UTC in danger area bounded by (a) 19-14.60N 084-53.70E (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. 2. Cancel this MSG 101530 UTC Mar 17.																																		
155. Bay of Bengal – off Trincomalee. Charts 359 3014 INT71. Naval firing practice scheduled from 020330 to 020630 and 040130 to 040730 UTC Mar 17 in danger area bounded within 08-20N to 08-30N and 081-30E TO 081-40E. 2. Cancel this MSG 040830 UTC Mar 17.																																		
156. India West Coast – Gulf of Khambhat. Charts 2039 INT 71. MV Alam Suria reported loss of anchor with cable 21-41.87N 072 -26.49E.																																		
157. India East Coast – off Kakinada. Charts 31 32 INT 71. Firing by naval SHIPS SCHEDULED ON 02 AND 03 MAR 17 FROM 0030 – 0630 UTC in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E. 2. Cancel this MSG 030730 UTC Mar 17.																																		
158. India West Coast– Gulf of Khambhat. Charts 207 254 INT 705. Narmada channel buoys 1, 5 retrieved and 6 missing. 2. Cancel NAVAREA VIII MSG 147/17.																																		
159. Cancel NAVAREA VIII MSG 002/17 and this MSG.																																		
160. India West Coast – Kochi. Charts 22 260 220 2029 INT 71. Firing by Naval Coast Battery scheduled on. <table border="1"> <thead> <tr> <th>DATE</th> <th>TIME (UTC)</th> </tr> </thead> <tbody> <tr> <td>03 MAR 17</td> <td>0900-1200</td> </tr> <tr> <td>07 MAR</td> <td>0900-1200</td> </tr> <tr> <td>10 MAR</td> <td>0900-1200 AND 1230-1430</td> </tr> <tr> <td>14 MAR</td> <td>0900-1200</td> </tr> </tbody> </table> 2. Firing area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44.0N 076-17.5E, 09-42.5N 076-09.5E. 3. Cancel this MSG 141300 UTC Mar 17.	DATE	TIME (UTC)	03 MAR 17	0900-1200	07 MAR	0900-1200	10 MAR	0900-1200 AND 1230-1430	14 MAR	0900-1200																								
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10 MAR	0900-1200 AND 1230-1430																																	
14 MAR	0900-1200																																	
161. India East Coast – off Kakinada. Charts 31 32 INT 71. Firing by Naval ships scheduled on 04 Mar 17 from 0130 – 0730 UTC in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E. 2. Cancel NAVAREA VIII MSG 157/17 and this MSG 040830 UTC Mar 17.																																		
162. India West Coast. Charts 251 255 292 INT 71. Rig list correct at 281003 UTC Feb 17. <table border="1"> <tbody> <tr> <td>ABAN III</td> <td>18-55.53N 072-18.18E</td> </tr> <tr> <td>ABAN IV</td> <td>18-43.45N 072-22.32E</td> </tr> <tr> <td>ACTINIA</td> <td>19-02.60N 071-36.70E</td> </tr> <tr> <td>CE THORNTON</td> <td>18-40.10N 072-13.60E</td> </tr> <tr> <td>DYNAMIC VISION</td> <td>19-11.03N 072-11.12E</td> </tr> <tr> <td>DEEP SEA FORTUNE</td> <td>19-14.65N 071-26.03E</td> </tr> <tr> <td>DEEP SEA FOSSIL</td> <td>19-01.86N 071-32.50E</td> </tr> <tr> <td>FG MCCLINTOCK</td> <td>18-31.98N 072-15.23E</td> </tr> <tr> <td>GALVESTON KEY</td> <td>20-36.05N 072-02.17E</td> </tr> <tr> <td>GREAT DRILL CHAARU</td> <td>19-11.99N 072-11.15E</td> </tr> <tr> <td>GREAT DRILL CHAAYA</td> <td>18-38.16N 071-00.80E</td> </tr> <tr> <td>GREAT DRILL CHITRA</td> <td>19-51.14N 071-04.87E</td> </tr> <tr> <td>HARVEY H WARD</td> <td>18-34.57N 072-16.74E</td> </tr> <tr> <td>JINDAL STAR</td> <td>19-34.75N 071-59.00E</td> </tr> <tr> <td>JT ANGEL</td> <td>22-22.02N 068-34.31E SAFETY FAIRWAY</td> </tr> <tr> <td>NOBLE ED HOLT</td> <td>19-12.48N 072-06.70E</td> </tr> <tr> <td>PARAGON L-786</td> <td>19-19.47N 071-23.29E</td> </tr> </tbody> </table>	ABAN III	18-55.53N 072-18.18E	ABAN IV	18-43.45N 072-22.32E	ACTINIA	19-02.60N 071-36.70E	CE THORNTON	18-40.10N 072-13.60E	DYNAMIC VISION	19-11.03N 072-11.12E	DEEP SEA FORTUNE	19-14.65N 071-26.03E	DEEP SEA FOSSIL	19-01.86N 071-32.50E	FG MCCLINTOCK	18-31.98N 072-15.23E	GALVESTON KEY	20-36.05N 072-02.17E	GREAT DRILL CHAARU	19-11.99N 072-11.15E	GREAT DRILL CHAAYA	18-38.16N 071-00.80E	GREAT DRILL CHITRA	19-51.14N 071-04.87E	HARVEY H WARD	18-34.57N 072-16.74E	JINDAL STAR	19-34.75N 071-59.00E	JT ANGEL	22-22.02N 068-34.31E SAFETY FAIRWAY	NOBLE ED HOLT	19-12.48N 072-06.70E	PARAGON L-786	19-19.47N 071-23.29E
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162.	Continued.	
	PARAGON M 1161	19-27.68N 071-11.06E
	PARAMESWARA	22-49.60N 068-17.74E
	RON TAPMEYAR	19-25.34N 071-19.57E
	ROWAN LOUISIANA	20-19.02N 071-48.00E
	SAGAR GAURAV	22-38.60N 068-25.20E
	SAGAR SHAKTI	19-15.09N 070-52.83E
	SAGAR JYOTI	18-56.77N 071-54.32E
	SAGAR KIRAN	19-19.64N 071-16.56E
	SAGAR LAXMI	20-58.00N 071-33.00E
	SAGAR PRAGATI	20-58.00N 071-33.00E
	SAGAR UDAY	22-58.70N 068-35.80E
	TRIDENT II	19-27.37N 071-17.94E
	VALIANT DRILLER	19-34.43N 071-23.09E
	VIRTUE-I	20-19.05N 072-00.52E
	VIVEKANANDA-1	20-32.06N 072-09.16E
	VIVEKANANDA-2	19-00.26N 071-51.96E
2.	Wide berth requested.	
3.	Cancel NAVAREA VIII MSG 124/17.	

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
D7091.492	Remove from list ; deleted						
D7091.499	Remove from list ; deleted						
D7373.2	- - Eastward. Al-Humer	24 07.77 N 52 47.22 E	F WRG	W(3M)142.6°-143.41°(0.81°), G(3M)141.45°-142.6°(1.15°), R(3M)143.41°-144.15°(0.74°)
F1004.5	Paradip Port - S Oil Jetty. Front	20 15.60 N 86 40.07 E	QFI R 1.2s	10	6		*
*	*	*	*	*	*	*	*
F1004.51	- - Rear	20 15.56 N 86 40.05 E	FI R 10s	15	6		*
*	*	*	*	*	*	*	*
K0821	Port Aux Francais. Ldg Lts 058°. Front	49 21.28 S 70 13.64 E	Q G	8	11	White beacon, black stripe	
K0821.1	- - Rear. 700m from front	49 21.07 S 70 14.16 E	Q G	20	11	White beacon, black stripe	
K0821.4	- Anchorage Lts in line 329°. Front	49 21.29 S 70 12.34 E	Q R	7	4	White beacon, red stripe	
K0821.41	- - Rear. 150m from front	49 21.23 S 70 12.25 E	Q R	21	4	White beacon, red stripe	Vis on bearing only.
	*		*		*		



SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 23 dated 01Dec 2016)



PAGE 29, MALAYSIA, PENINSULAR, below PENANG(9MG)

Insert entry :

JOHOR BAHRU MRSC (9MHE6)		01°28·00 N 103°45·00 E	
MMSI 005330035	DSC VHF		
 +60 7 2219231 (Operations Room)		 +60 7 2224739(OperationsRoom) +60 7 2279285 (Operations Room)	
Call: WISEL		Email: pusupmarwilsel@govuc.gov.my	
NOTE(S) : The Malaysian Maritime Enforcement Agency (MMEA) is responsible for coordinating Search and Rescue operations. 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). The areas covered include the Malaysian Peninsula, Sabah and Sarawak.			

RT (HF)



Position	Transmits	Receives	Hours of Watch
	6435	6435	

KUANTAN MRSC (9MHE9)		03°58·18 N 103°25·98 E	
MMSI 005330045	DSC VHF		
 +60 9 5734066 (Operations Room) +60 9 5735587 (Operations Room) +60 9 5717368 (General Communications)		 +60 9 5738476 +60 9 5734177	
Call: WILTIM		Email: pusupwiltim@yahoo.com	
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. 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). The areas covered include the Malaysian Peninsula, Sabah and Sarawak.			

RT (HF)

Position	Transmits	Receives	Hours of Watch
	4357(Ch 401)	4065	
	4366(Ch 404)	4074	
	6435	6435	

8.2

LANGKAWI MRSC (9MHE5)		06°20.05N 99°43.57E	
MMSI 005330025	DSC VHF		
 +60 4 9665307 +60 4 9609814		 +60 4 9669543	
Call: WILUTA	Email: opsroomwiluta.mmea@1govuc.gov.my		
NOTE(S) : The Malaysian Maritime Enforcement Agency (MMEA) is responsible for coordinating Search and Rescue operations. 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). The areas covered include the Malaysian Peninsula, Sabah and Sarawak.			



RT (HF)

Position	Transmits	Receives	Hours of Watch
	6435	6435	

(Source: BA 07/17)

(05 /17)

PAGE 29, MALAYSIA, PENINSULAR, PUTRAJAYA MRCC (9MHF2)*Delete entry and replace by:*

PUTRAJAYA MRCC (9MHF2)		02°59.00N 101°40.00E	
MMSI 005330108	DSC VHF		
 +60 3 89413140		 +60 3 89413129	
Call: LIMA KELANG	Email: mrccputrajaya@mmea.gov.my (MRCC Putrajaya & MRSC Johor Bahru)		
NOTE(S) : 1. The Malaysian Maritime Enforcement Agency (MMEA) is responsible for coordinating Search and Rescue operations. 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). 2. The areas covered include the Malaysian Peninsula, Sabah and Sarawak.			

VHF

	Ch 16	H-24
--	-------	------

RT (MF)

Position	Transmits	Receives	Hours of Watch
	2182 ¹	2182	
	3023 ¹	3023	

¹ Used solely for Search and Rescue**RT (HF)**

Position	Transmits	Receives	Hours of Watch
	4077 ¹	4077	
	5680 ¹	5680	
	8124 ¹	8124	H-24

¹ Used solely for Search and Rescue

(Source: BA 07/17)

(05 /17)

8.3

INP 31(2), 2014

(Last correction: Edition No. 03 dated 01 Feb 2017)

NIL

INP 31(5), 2011

(Last correction: Edition No. 01 dated 1 Jan 2017)

NIL

INP 31(6), 2012

(Last correction: Edition No. 03 dated 01 Feb 2017)

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 102 A 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.

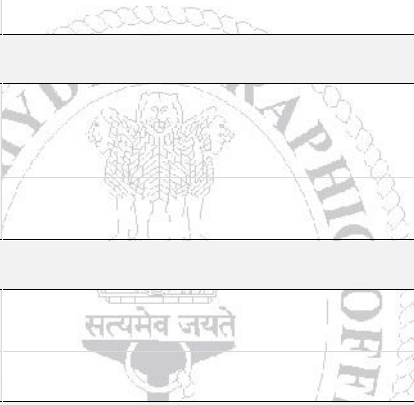
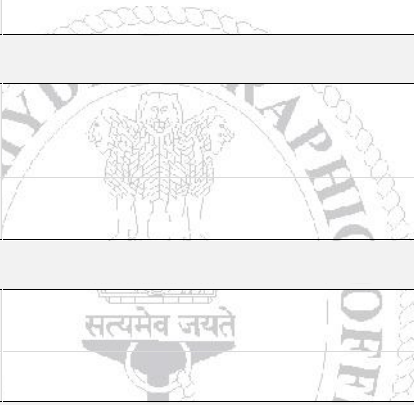
Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication 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