

# INDIAN NOTICES TO MARINERS



EDITION NO. 09 DATED 01 MAY 2017

(CONTAINS NOTICES 075 TO 081)

REACH US 24 x 7



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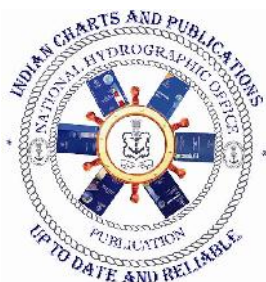
**WWW**  
www.hydrobharat.gov.in

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(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> 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<sub>s</sub> AND PUBLICATION**

1. 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
2003	BADAGARA ANCHORAGE; KASARAGOD ANCHORAGE	25,000	New Chart
2033 (INT 7341)	SIKKA CREEK; SIKKA CHANNEL	12,500	New Edition
2046	VENGURLA ANCHORAGE; REDI ANCHORAGE	25,000	New Edition
2051 (INT 7333)	SALAYA HARBOUR	25,000	New Edition
2065	PORT DABHOL	15,000	New Edition
2358	APPROACHES TO HANGARKATTA & MALPE	50,000	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

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

<i>Title of Publication</i>	<i>Edition</i>
Indian Notices to Mariners Special Edition	2016

## VI

### Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the 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:

<b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>	<b>C-MAP Norway AS</b> Nyaskaiveien 2, 4379 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: <a href="mailto:enc@c-map.com">enc@c-map.com</a> , <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.c-map.com">www.c-map.com</a>
<b>M/s Primar</b> Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a>	<b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel:+91 4039144444 Fax: +91 4039144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a>



**SECTION – I**

The list of charts affected by the Notices 075 to 081 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	080 (T)
22 (INT 752)	3	080 (T)
23	1	076, 080 (T)
31 (INT 756)	5	081 (T)
32 (INT 754)	5	076, 080 (T), 081 (T)
33 (INT 755)	5	076, 081 (T)
207	2	079 (T)
214	3	080 (T)
215	3	080 (T)
221	3	080 (T)
225	1	076
226	1	076
253 (INT 7328)	2	080 (T)
254 (INT 7331)	2	079 (T)
257 (INT 7343)	3	080 (T)
259 (INT 7356)	3	080 (T)
261	4	080 (T)
263 (INT 7383)	4	076, 080 (T)
264	4	076
272	4	080 (T)
292 (INT 7021)	2	079 (T), 080 (T)
293 (INT 7022)	3	080 (T)
308	5	081 (T)
321	7	077
322	7	077
352 (INT 7416)	5	081 (T)
354 (INT 7408)	5	081 (T)
355 (INT 7405)	5	081 (T)
357 (INT 7397)	5	081 (T)
391	5	081 (T)
2101 (INT 7347)	2	075
2108	2	075
2109	2	075
2502	1	078
3020	7	077

**SECTION – II****PERMANENT NOTICES****\*075 (09/17) INDIA – WEST COAST – ESSAR Bulk Terminal – Buoys.**

Source: ESSAR Bulk Terminal Ltd.

**Chart 2101 (INT 7347) [previous update NC 29 Feb 2016]**

Insert  Fl.R.10s 21° 04′.86N., 72° 39′.53E.

Delete  Fl(2).R.5s 21° 05′.36N., 72° 39′.53E.

**Chart 2109 [previous update 068/16]**

Insert  Fl.R.10s  
SR 18 21° 04′.86N., 72° 39′.53E.

Delete  Fl(2).R.5s  
SR 20 21° 05′.36N., 72° 39′.53E.

**Chart 2108 [previous update NE 29 Feb 2016]**

Insert  Fl.R.10s  
SR 18 21° 04′.86N., 72° 39′.53E.

Delete  Fl(2).R.5s  
SR 20 21° 05′.36N., 72° 39′.53E.

**\*076 (09/17) SRI LANKA – WEST COAST – Colombo to Galle – Wreck.**

Source: MRCC Colombo.

**Chart 23 [previous update 034/15]**

Insert  PA 06° 44′.00N., 79° 44′.00E.  
05° 54′.00N., 80° 24′.00E.


**Chart 32 (INT 754) [previous update 034/17]**

Insert  PA 06° 44′.00N., 79° 44′.00E.  
05° 54′.00N., 80° 24′.00E.

**Chart 33 (INT 755) [previous update 074/17]**

Insert  PA 05° 54′.00N., 80° 24′.00E.

**Chart 263 (INT 7383) [previous update 034/15]**

Insert  PA 06° 43′.90N., 79° 44′.07E.

**Chart 264 [previous update 205/14]**

Insert  PA 06° 43′.98N., 79° 43′.89E.  
05° 53′.98N., 80° 23′.89E.



**\*076 (09/17) SRI LANKA – WEST COAST – Colombo to Galle – Wreck. Continued.****Chart 225** [previous update 228/12]

Insert   $PA$  06° 44′.00N., 79° 44′.00E.  
05° 54′.00N., 80° 24′.00E.

**Chart 226** [previous update 088/13]

Insert   $PA$  05° 54′.00N., 80° 24′.00E.

**077 (09/17) BAY OF BENGAL – BURMA – Kyaukpyu Harbour – Buoys – Wreck.**

Source: BA Notice 272/17.

**Chart 321** [previous update 148/16]

Delete   $G$  19° 27′.80N., 93° 30′.38E.

  $G$  19° 26′.07N., 93° 33′.80E.

 19° 25′.98N., 93° 33′.53E.

**Chart 322** [previous update 158/16]

Delete   $G$  19° 27′.80N., 93° 30′.38E.

  $G$  19° 26′.07N., 93° 33′.80E.

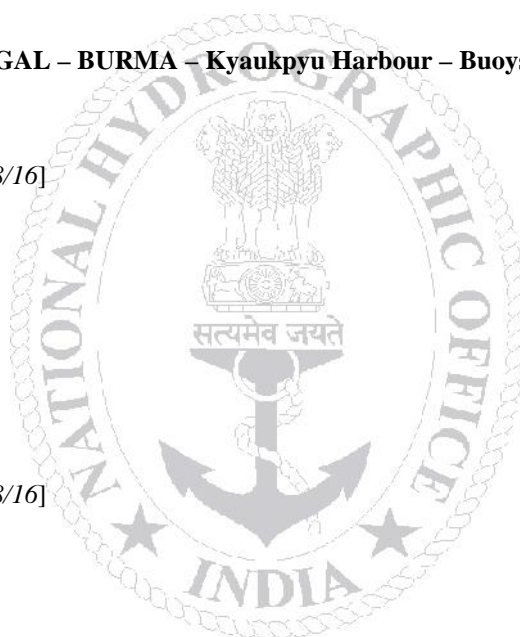
 19° 25′.98N., 93° 33′.53E.

**Chart 3020** [previous update 131/14]

Delete   $G$  19° 27′.82N., 93° 30′.47E.


  $G$  19° 26′.07N., 93° 33′.53E.

 19° 26′.02N., 93° 33′.56E.



**078 (09/17) INDIAN OCEAN – SEYCHELLES – Western Approaches to Mahe Island – Submarine Cable.**

Source: BA Notice 4540/12.

**Chart 2502** [previous update NC 28 Feb 2009]Insert submarine cable, , joining:

04° 36′·60S., 55° 25′·85E. (shore)

04° 36′·08S., 55° 24′·60E.

04° 36′·10S., 55° 23′·97E.

04° 36′·20S., 55° 23′·60E.

04° 36′·30S., 55° 23′·36E.

04° 36′·80S., 55° 22′·65E.

04° 37′·97S., 55° 21′·80E.

04° 38′·74S., 55° 20′·78E.

04° 39′·48S., 55° 19′·57E.

04° 40′·43S., 55° 17′·46E.

04° 42′·30S., 55° 14′·14E.

04° 45′·00S., 55° 08′·95E. (E Border)

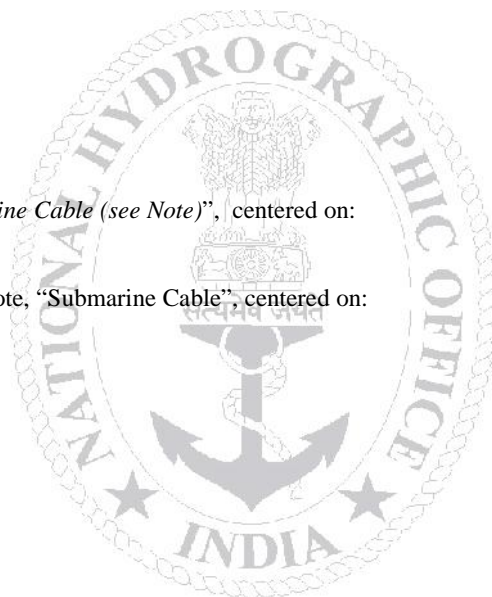
04° 42′·70S., 55° 12′·95E.

04° 38′·70S., 55° 20′·70E.

04° 38′·45S., 55° 24′·00E.

legend, “*Submarine Cable (see Note)*”, centered on:

accompanying note, “Submarine Cable”, centered on:



**SECTION – III**  
**TEMPORARY AND PRELIMINARY NOTICES**

**\*079 (T) (09/17) INDIA – WEST COAST – Diu Head to Gopnath Point – LIDAR.**

Source: National Institute of Wind Energy (NIWE).

1. National Institute of Wind Energy (NIWE) has installed offshore substructure (monopile and platform) for mounting LIDAR based wind monitoring station in position 20° 46' .59N., 71° 40' .13E.
2. Vessels are advised to navigate with caution and contact local port authorities for more information.

**Charts affected – 292 (INT 7021) – 254 (7331) – 207.**

**\*080 (T) (09/17) INDIA – WEST COAST – Arabian Sea – ADCP Moorings.**

Source: NIO Goa.

1. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography, Goa in following positions:-

ADCP Mooring	Positions		Depth (in metres)	Charts affected
*OGSV1	15° 11'.94N	73° 00'.28E	154	22 (INT 752) – 293 (INT 7022) – 257 (INT 7343) – 214 – 215.
*OGSV2	15° 12'.88N	72° 56'.77E	191	22 (INT 752) – 293 (INT 7022) – 257 (INT 7343) – 214.
OMD9	20° 00'.69N	69° 14'.30E	160, 335, 690,1044	21 – 292 (INT 7021) – 253 (INT 7328)
OGD12	15° 09'.97N	72° 44'.65E	144, 300, 654,960	22 (INT 752) – 293 (INT 7022) – 214
OGS12	15° 13'.99N	72° 58'.91E	161	22 (INT 752) – 293 (INT 7022) – 257 (INT 7343) – 214
OBD4	13° 36'.21N	73° 13'.74E	190, 360, 860	22 (INT 752) – 293 (INT 7022) – 272 – 257 (INT 7343)
OBS6	13° 52'.69N	73° 24'.49E	186	22 (INT 752) – 293 (INT 7022) – 272 – 257 (INT 7343)
OKD9	09° 02'.86N	75° 26'.10E	190, 370, 870	22 (INT 752) – 259 (INT 7356) – 221
KKD7	06° 57'.57N	77° 23'.51E	190, 365, 863	22 (INT 752) – 23 – 32 (INT 754) – 261 – 263 (INT 7383)

\* Indicates new or revised entries.

2. All positions referred to WGS 84 datum.
3. Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.
4. **Former INM 040(T)/17 is cancelled.**

**\*081(T) (09/16) INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.**

Source: NIO Goa.

1. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography, Goa in following positions:-

ADCP Mooring	Positions		Depth (in metres)	Charts affected
*BOPS8	12° 00'.35N	80° 07'.67E	169	32 (INT 754) – 33 – 357 (INT 7397).
*BOPD8	12° 00'.96N	80° 12'.49E	190, 680, 1027	32 (INT 754) – 33 – 357 (INT 7397).
*BOKS8	16° 15'.21N	82° 07'.35E	174	31 (INT 756) – 32 (INT 754) – 391 – 355 (INT 7405).
*BOKD8	16° 07'.93N	82° 13'.04E	168,493,898	31 (INT 756) – 32 (INT 754) – 391 – 355 (INT 7405).
*BOVD7	17° 45'.18N	84° 02'.81E	270	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308.
*BOVS8	17° 47'.54N	83° 58'.61E	192	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308.
*BOGS9	19° 26'.08N	85° 42'.16E	169	31 (INT 756) – 352 (INT 7416).
*BOGD9	19° 23'.81N	85° 47'.45E	197, 603, 1030	31 (INT 756) – 352 (INT 7416).
*BNBD9	19° 01'.47N	88° 57'.45E	299, 372, 447	31 (INT 756).

\* Indicates new or revised entries.

2. All positions referred to WGS 84 datum.
3. Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.
4. **Former INM 112(T)/16 is cancelled.**

## **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:-

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
<b>Sl.</b>	<b>Station Name</b>	<b>B1</b>	<b>Broad Cast Timings in UTC</b>					
(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](http://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](http://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 (16<sup>th</sup> 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><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Insrtuments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 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: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>E.W.Liner Charts &amp; Publication (India)</b> 2/524, Sandeep Road, Chinna Neelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: <a href="mailto:ewl-india@ewliner.com">ewl-india@ewliner.com</a> Web: <a href="http://www.ewliner.com">www.ewliner.com</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a> , <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>Gujarat Pipavav Port Limited</b> PO – Uchchaiya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p><b>M/s SVR Chart Agencies</b> Door No.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : <a href="mailto:mahalakshmitravels99@gmail.com">mahalakshmitravels99@gmail.com</a> <a href="mailto:mahalakshmitravels@hotmail.com">mahalakshmitravels@hotmail.com</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: 022-6510 3668, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@smsmarine.co.in">info@smsmarine.co.in</a> , <a href="mailto:raj_chakravorty@yahoo.com">raj_chakravorty@yahoo.com</a> Web: <a href="http://www.smsmarine.co.in">www.smsmarine.co.in</a></p>
<p><b>M/s JM Maritime Services</b> 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 : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>Global Marine Infratech Pvt. Ltd.</b> 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: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s Lift o Marine</b> Allen’s Mansion, Flat C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftmarine.org">sankar@liftmarine.org</a> Web: <a href="http://www.liftmarine.org">www.liftmarine.org</a></p>	<p><b>L. R. Marine Services</b> 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: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Engineering Logistics Executive Multi Services</b> Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: <a href="mailto:sales@elemscharts.in">sales@elemscharts.in</a> Web: <a href="http://www.elemscharts.in">www.elemscharts.in</a></p>	<p><b>M/s IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@ictechnologies.com">somnath.marthi@ictechnologies.com</a> <a href="mailto:sanjeev.sharma@ictechnologies.com">sanjeev.sharma@ictechnologies.com</a> Web: <a href="http://www.ictechnologies.com">www.ictechnologies.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani’s Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></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 30 Apr 17:

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

**2017 SERIES** – 016 050 061 119 169 173 183 189 196 280 295 303 304 305 306 307 308 317 318  
322 323 331 333 335 341 342 343 345 346 348 349 350 351 352 353 354 355 356 357 358 359  
360

3. NAVAREA VIII Warnings issued during the period from 16 Apr to 30 Apr 17 (both dates inclusive) are as tabulated below:–

<p><b>315. Andaman Sea - off Great Nicobar.</b> Charts 41 408 409 472 INT 71. Firing practice scheduled on 19, 20, 21 Apr 17 from 0030-1030 UTC in danger area bounded by 07-40.1N 093-51.4E, 07-21.5N 093-54.0E, 07-04.5N 093-37.2E, 07-17.0N 091-46.0E, 07-36.0N 091-46.4E, 07-55.6N 091-48.5E, 08-26.3N 092-02.0E.</p> <p>2. Cancel this MSG 211130 UTC Apr 17.</p>
<p><b>316. India East Coast – off Kakinada.</b> Charts 31 INT 71. Firing by naval ships scheduled on 22 Apr 17 from 0200-0600 and 1230-1700 UTC and 23 Apr 17 from 0001-0600 UTC in danger area bounded by 16-14N 084-00E, 15-30N 083-24E, 14-58N 083-59E, 14-56N 084-46E, 15-28N 084-58E.</p> <p>2. Cancel this MSG 230700 UTC Apr 17.</p>
<p><b>317. Lakshadweep Sea and S Bay of Bengal – Off Southern Coast of Sri Lanka.</b> Charts 32 264 INT 71. INS Darshak progressing hydrographic survey in area bounded within 05-18N TO 07-06N and 078-55E TO 082-10E.</p> <p>2. Wide berth from ship and survey boats requested.</p> <p>3. Cancel NAVAREA 194 and this MSG 151830 UTC May 17.</p>
<p><b>318. India West Coast - off Pipavav Port.</b> Charts 207 INT 71. Wind monitoring station installed on platform 16 M above MSL in position 20-46.59N 071-40.13E.</p>
<p><b>319. Lakshadweep Sea – off Colombo.</b> Charts 23 263 INT 71. Naval firing practice scheduled on 22 Apr 17 from 0130 - 0930 UTC in danger area bounded within 06-35N to 06-50N and 079-25E to 079-39E.</p> <p>2. Cancel this MSG 221030 UTC Apr 17.</p>
<p><b>320. India West Coast – Tuticorin.</b> Charts 224 2075 INT 71. DGPS (08-47N 078-12E) inoperative on 20 Apr 17 from 0130 – 1200 UTC.</p> <p>2. Cancel this MSG 201300 UTC Apr 17.</p>
<p><b>321. India West Coast - off Mormugao.</b> Charts 22 214 257 293 INT 7022. Firing by naval ship scheduled on 20 Apr 17 from 0630-0930 UTC in danger area bounded within 14-50N to 15-20N and 073-00E to 073-30E.</p> <p>2. Cancel this MSG 201030 UTC Apr 17.</p>
<p><b>322. Lakshadweep Sea - off Kavaratti.</b> Charts 273 INT 71. Suhelipar Lt (10-02N 072-17E) unlit.</p>
<p><b>323. India West Coast – Mumbai.</b> Charts 2016 INT 71. TUG MT Sonika reported grounded in position 18-55N 072-47E.</p>
<p><b>324. India West Coast – Okha.</b> Charts 21 203 2068 INT 71. Firing by naval coast battery scheduled on 24 Apr 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 240830 UTC Apr 17.</p>
<p><b>325. Lakshadweep Sea – Rameswaram.</b> Charts 317 INT 71. DGPS (09-17N 079-19E) inoperative.</p>
<p><b>326. India West Coast - NE Arabian Sea.</b> Charts 22 INT 71. Demolition practice by naval ships scheduled from 240001-251200 UTC Apr 17 in area bounded by 17-42N 069-35E, 17-35N 069-52E, 17-47N 069-45E, 17-27N 069-40E</p> <p>2. Cancel this MSG 251300 UTC Apr 17.</p>
<p><b>327. India West Coast – off Netrani I.</b> Charts 22 216 293 INT 71. Firing by naval ships scheduled on 25 Apr 17 from 0030 - 0930 UTC in danger area bounded within 13-56.2N to 14-07.2N and 074-13.6E to 074-25.1E.</p> <p>2. Cancel this MSG 251030 UTC Apr 17.</p>
<p><b>328. India West Coast - off Tapti Oda.</b> Charts 21 253 292 INT 71. Firing by CG aircraft scheduled on 25 Apr 17 from 0330-1130 UTC in danger area bounded by 20-13N 071-59E, 20-13N 072-08E, 20-06N 071-06E, 20-06N 071-57E</p> <p>2. Cancel this MSG 251230 UTC Apr 17.</p>
<p><b>329. Andaman Sea – off South Andamans.</b> Charts 41 473 INT 71. Firing practice scheduled on 26 Apr 17 from 0330-1030 UTC in area bounded by 11-39.7N 092-46.3E, 11-40.6N 092-47.0E, 11-38.7N 092-53.1E, 11-32.9N 092-48.3E</p> <p>2. Cancel this MSG 261130 UTC Apr 17.</p>

<p><b>330. Bay of Bengal and NE Indian Ocean.</b> Charts 31 351 INT 70 71. Experimental flight trial scheduled from ITR on 27 and 28 Apr 17 from 0300-0700 UTC in danger zone bounded by 20-48.34N 087-02.60E, 18-12.34N 086-07.13E, 07-16.27S 087-03.11E, 06-52.77S 091-48.59E, 18-24.14N 088-30.46E, 20-48.74N 087-07.42E</p> <p>2. Cancel this MSG 280800 UTC Apr 17.</p>																										
<p><b>331. Andaman Sea - off Preparis Channel.</b> Charts 41 INT 71. MV Ram Form Sovereign progressing seismic survey in area bounded within 13-52.0N to 14-34.5 and 094-49.0E to 095-25.0E.</p> <p>2. Vessel towing 14 cables 5.5 NM long. Wide berth of 7 NM requested.</p>																										
<p><b>332. NAVAREA VIII warnings in force as on 21 Apr 17.</b>  <b>2016 Series</b> - 432 464 572 644 685 702 723 729 779  <b>2017 Series</b> - 016 050 061 119 169 173 183 189 196 237 238 250 256 275 280 293 295 303 304 305 306 307 308 316 317 318 319 322 323 324 325 326 327 328 329 330 331</p> <p>(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 <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a></p> <p>2. Cancel this MSG 281000 UTC Apr 17.</p>																										
<p><b>333. India East Coast – off Chennai.</b> Charts 32 356 INT 71. MGS Sagar progressing survey in area bounded by 15-00.2N 082-34.1E, 13-00.5N 082-37.3E, 13-04.1N 080-43.0E, 14-20.6N 080-18.1E, 14-44.8N 080-19.4E, 15-00.2N 080-23.5E, 15-17.2N 080-27.9E, 15-25.7N 080-35.6E, 15-35.2N 080-56.2E, 15-43.9N 081-11.8E, 15-50.4N 081-13.3E, 15-51.7N 081-20.2E, 16-00.8N 081-34.9E, 15-27.5N 082-04.3E, 14-55.1N 082-26.0E.</p> <p>2. Wide berth requested.  3. Cancel this MSG 011830 UTC Jun 17.</p>																										
<p><b>334. India West Coast – off Mumbai Oda.</b> Charts 255 INT 71. SV Fugro Mapper progressing soil coring in 18-36.1N 071-01.6E.</p> <p>2. Wide berth requested.  3. Cancel NAVAREA 250 and this MSG 261830 UTC Apr 17.</p>																										
<p><b>335. Indian Ocean – off Somalia.</b> Chart INT 71. Vessel reported attacked at 221610 UTC Apr 17 in 05-39N 048-57E. vessels advised to keep clear of position and exercise caution</p> <p>2. Cancel this MSG 291000 UTC Apr 17.</p>																										
<p><b>336. India West Coast – Goa.</b> Charts 22 214 215 216 293 2078 INT 71. Firing by Naval Coast Battery scheduled on 28 Apr 17 from 0330 - 0630 UTC.</p> <p>2. Danger sector extending upto 10 NM seaward between bearing 220 and 260 from 15-24.61N 073-47.60E.  3. Cancel this MSG 280730 UTC Apr 17.</p>																										
<p><b>337. India East Coast- Chennai.</b> Charts 32 313 3001 3004 INT 71. Firing by Naval Coast Battery scheduled on 28 Apr 17 from 0530 - 0730 UTC.</p> <p>2. Danger sector extending upto 5.5 NM between bearing 045 and 075 from 13-07.02N 080-18.01E  3. Cancel this MSG 280830 UTC Apr 17.</p>																										
<p><b>338. India West Coast - off Mumbai.</b> Charts 255 INT 71. SV Fugro Mapper progressing soil coring in 19-36.9N 071-53.4E. Wide berth requested.</p> <p>2. Cancel NAVAREA VIII MSG 334.</p>																										
<p><b>339. India East Coast.</b> Charts 355 356 INT 706. Rig list:-</p> <table border="0"> <tr><td>ABAN ABRAHAM</td><td>16-04.07N 081-49.05E NEW</td></tr> <tr><td>ABAN II</td><td>15-22.31N 080-30.51E</td></tr> <tr><td>DEEP DRILLER 5</td><td>14-18.91N 080-16.82E NEW</td></tr> <tr><td>DS MATDRILL</td><td>16-21.37N 081-58.64E</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>16-30.05N 082-22.05E</td></tr> <tr><td>SAGAR RATNA</td><td>16-22.40N 081-58.65E</td></tr> <tr><td>SAGAR VIJAY</td><td>16-19.70N 082-10.85E</td></tr> </table> <p>2. Wide berth requested.  3. Cancel NAVAREA VIII MSG 238.</p>	ABAN ABRAHAM	16-04.07N 081-49.05E NEW	ABAN II	15-22.31N 080-30.51E	DEEP DRILLER 5	14-18.91N 080-16.82E NEW	DS MATDRILL	16-21.37N 081-58.64E	JACK BATES	16-15.28N 082-12.98E	RIG 805	16-40.18N 082-25.72E	SAGAR BHUSHAN	16-30.05N 082-22.05E	SAGAR RATNA	16-22.40N 081-58.65E	SAGAR VIJAY	16-19.70N 082-10.85E								
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SAGAR VIJAY	16-19.70N 082-10.85E																									
<p><b>340. India West Coast.</b> Charts 251 254 255 292 INT 71. Rig list:-</p> <table border="0"> <tr><td>ABAN III</td><td>18-37.24N 072-14.94E NEW</td></tr> <tr><td>ABAN IV</td><td>18-43.45N 072-22.32E</td></tr> <tr><td>ACTINIA</td><td>19-19.60N 071-01.60E</td></tr> <tr><td>CE THORNTON</td><td>18-40.10N 072-13.56E</td></tr> <tr><td>DYNAMIC VISION</td><td>19-11.03N 072-11.12E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>18-33.63N 072-14.94E NEW</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>18-31.89N 072-16.74E NEW</td></tr> <tr><td>FG MCCLINTOCK</td><td>18-32.70N 072-13.95E</td></tr> <tr><td>GALVESTON KEY</td><td>20-32.79N 071-58.41E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>19-30.34N 070-50.96E NEW</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>19-08.71N 072-07.02 E NEW</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>20-17.61N 071-16.76E</td></tr> <tr><td>HARVEY H WARD</td><td>18-34.57N 072-16.74E</td></tr> </table>	ABAN III	18-37.24N 072-14.94E NEW	ABAN IV	18-43.45N 072-22.32E	ACTINIA	19-19.60N 071-01.60E	CE THORNTON	18-40.10N 072-13.56E	DYNAMIC VISION	19-11.03N 072-11.12E	DEEP SEA FORTUNE	18-33.63N 072-14.94E NEW	DEEP SEA FOSSIL	18-31.89N 072-16.74E NEW	FG MCCLINTOCK	18-32.70N 072-13.95E	GALVESTON KEY	20-32.79N 071-58.41E	GREAT DRILL CHAARU	19-30.34N 070-50.96E NEW	GREAT DRILL CHAAYA	19-08.71N 072-07.02 E NEW	GREAT DRILL CHITRA	20-17.61N 071-16.76E	HARVEY H WARD	18-34.57N 072-16.74E
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HARVEY H WARD	18-34.57N 072-16.74E																									



<b>340. Continued.</b>	
JINDAL STAR	19-08.72N 071-55.25E NEW
JT ANGEL	20-19.60N 071-12.51E
NOBLE ED HOLT	19-12.80N 072-06.78E
PARAGON L-786	18-47.21N 072-19.52E NEW
PARAGON M 1161	19-27.55N 071-11.25E
PARAMESWARA	22-49.50N 068-17.75E
RON TAPMEYAR	19-25.44N 071-19.53E
ROWAN LOUISIANA	18-28.02N 072-17.17E
SAGAR GAURAV	22-38.90N 068-25.20E
SAGAR SHAKTI	19-15.09N 070-52.83E
SAGAR JYOTI	18-56.77N 071-54.32E
SAGAR KIRAN	19-25.95N 071-13.04E
SAGAR UDAY	22-58.80N 068-35.90E
TRIDENT II	19-27.37N 071-17.94E
VALIANT DRILLER	19-34.43N 071-23.09E
VIRTUE-I	20-19.05N 072-00.85E
VIVEKANANDA-1	20-32.06N 072-09.16E
VIVEKANANDA-2	19-27.59N 071-24.98E NEW
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 237.
<b>341. Bay of Bengal – off Trincomalee.</b>	Charts 359 3014 INT 71. Naval firing practice scheduled from 290230 – 290830 and 300230 – 300630 UTC Apr 17 in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E
2.	Cancel this MSG 300730 UTC Apr 17.
<b>342. India East Coast.</b>	Charts 355 356 INT 706. Rig list:-
ABAN ABRAHAM	16-04.07N 081-49.05E
ABAN II	15-22.31N 080-30.51E
DS MATDRILL	16-21.37N 081-58.64E
JACK BATES	16-15.28N 082-12.98E
RIG 805	16-40.18N 082-25.72E
SAGAR BHUSHAN	16-30.05N 082-22.05E
SAGAR RATNA	16-22.40N 081-58.65E
SAGAR VIJAY	16-19.70N 082-10.85E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 339.
<b>343. India West Coast – Kochi.</b>	Charts 22 220 260 2029 INT 71. Firing by naval coast battery scheduled on
Date	Time (UTC)
02 May 17	0900-1200
05 May	0900-1200
09 May	0900-1200 and 1230-1430
12 May	0900-1200
16 May	0900-1200
19 May	0900-1200
23 May	0900-1200 and 1230-1430
26 May	0900-1200
30 May	0900-1200
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 301300 UTC May 17.
<b>344. India West Coast - off Tapti Oda.</b>	Charts 255 INT 71. SV Fugro Mapper progressing soil coring in 20-08.9N 071-44.9E. Wide berth requested.
2.	Cancel NAVAREA VIII MSG 338 and this MSG 301830 UTC Apr 17.
<b>345. India West Coast – Okha.</b>	Charts 203 251 292 INT 71. Kachchigadh (22-20N 068-57E) and Dwarka (22-14N 068-57E) RACON inoperative.
<b>346. Bay of Bengal - off Bangladesh.</b>	Charts 31 INT 71. Firing by Naval ships scheduled daily from 30 Apr - 30 May 17 from 2200 - 1700 UTC in danger areas bounded by (A) 21-20.83N 090-34E, 21-41N 091-14E, 21-20.83N 091-28E, 21-00N 090-47.83E (B) 20-46N 090-00E, 20-58N 090-17E, 20-40N 090-38E, 20-28N 090-22E (D) 20-07N 090-52E, 20-22N 091-06E, 20-00N 091-36E, 19-44N 091-21E (D1) 20-22N 091-06E, 20-46.3N 091-31E, 20-24N 091-59E, 20-00N 091-36E (E) 21-18N 089-31E, 21-18N 089-50E, 21-04N 089-54E, 21-04N 089-34E (F) 20-58N 089-34E, 20-58N 089-54E 20-34N 089-54E, 20-34N 089-34E
2.	Cancel this MSG 311800 UTC May 17.
<b>347. Cancel NAVAREA MSG 330 and this MSG.</b>	
<b>348. India East Coast – Bay of Bengal.</b>	Charts 31 351 352 INT 71. Experimental flight trial scheduled from ITR on 04 and 05 May 17 from 0230 – 0630 UTC in danger zone bounded by 20-48.33N 087-02.59E, 18-12.34N 086-07.12E, 11-42.63N 086-21.25E, 11-54.35N 089-21.23E, 18-24.13N 088-30.46E, 20-48.73N 087-07.42E.
2.	Cancel this MSG 050730 UTC May 17.

<p><b>349. India East Coast – off Gopalpur.</b> Charts 31 352 353 3005 INT 71. Army air defence firing and BPTA flight scheduled daily from 04 - 06, 11 - 13, 15 - 21, 25 - 27 May, 30 May - 01 Jun 17 from 0130-0730 and 0830-1430 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 NM radius joining point b and c.</p> <p>2. Cancel this MSG 011530 UTC Jun 17.</p>																																																								
<p><b>350. India East Coast – Vishakhapatnam.</b> Charts 31 308 3002 INT 71. Firing by Naval Coast Battery scheduled on 03 and 17 May 17 from 0030 - 0130 UTC in danger sector extending up to 15 NM between bearing 070 and 130 from 17-42N 083-18E.</p> <p>2. Cancel this MSG 170230 UTC May 17.</p>																																																								
<p><b>351. Bay of Bengal – off Kankesanturai.</b> Charts 32 358 INT 71. Naval firing practice scheduled on 04 May 17 from 0330-0830 UTC in danger circle extending 5 NM from 09-55N 080-33E.</p> <p>2. Cancel this MSG 040930 UTC May 17.</p>																																																								
<p><b>352. Bay of Bengal and Andaman Sea.</b> Charts 32 INT 71 706. GSLV launch scheduled from 05 – 07 May 17 from 1100 - 1500 UTC FROM 13-43.2N 080-13.8E.</p> <p>2. Danger zone as follows  Zone -1: circle of 10 nm around launcher  Zone-2: 11-50N 085-15E, 12-35N 085-25E, 12-15N 086-25E, 11-30N 086-15E  Zone-3: 10-35N 089-15E, 11-15N 089-25E, 11-00N 090-05E, 10-20N 089-55E  Zone-4: 07-50N 095-15E, 09-30N 095-15E, 09-30N 096-05E, 07-50N 096-05E</p> <p>3. Cancel this MSG 071600 UTC May 17.</p>																																																								
<p><b>353. North Indian Ocean.</b> Charts 23 INT 71. SLFV Eshan Putha reported adrift 00-04N 077-07E at 280615 UTC Apr 17.</p> <p>2. Cancel this MSG 010615 UTC May 17.</p>																																																								
<p><b>354. Andaman Sea – off Nicobar.</b> Firing practice scheduled on 02, 03, 04 May 17 from 0430-1030 UTC in danger area bounded by 09-18.1N 093-05E, 08-54.7N 094-19.2E, 08-35N 094-20.4E, 07-36N 094-01E, 07-16.1N 093-19.5E, 08-10.5N 093-41.5E, 08-35N 093-37E, 09-01.5N 092-32.2E.</p> <p>2. Cancel this MSG 041130 UTC May 17.</p>																																																								
<p><b>355. India West Coast – NE Arabian Sea.</b> Charts 251 254 255 INT 71. SV Fugro Mapper progressing soil coring in vicinity OF 20-08.9N 071-44.9E, 22-37.9N 068-27.0E, 19-02.1N 072-01.4E, 19-39.5N 071-17.6E, 18-01.1N 072-22.7E, 18-08.2N 072-25.2E, 18-18.5N 072-21.8E, 18-40.6N 072-13.6E, 19-12.7N 072-06.8E, 19-17.8N 070-56.1E. Wide berth requested.</p> <p>2. Cancel NAVAREA VIII MSG 344 and this MSG 241830 UTC May 17.</p>																																																								
<p><b>356. India West Coast – Mumbai ODA.</b> Charts 255 INT 71. SV Samudra Sarvekshak progressing soil coring in vicinity of 18-15.5N 072-16.3E, 18-18.6N 072-21.8E, 18-55.9N 072-00.5E, 18-52.2N 070-21.4E, 19-00.3N 071-17E, 19-12.9N 071-01.1, 19-16.2N 070-56.6, 19-18.6N 071-00.2E, 19-17.8N 070-56.2E, 19-30.9N 071-22.3E, 19-41.9N 072-19.8E. Wide berth requested.</p> <p>2. Cancel this MSG 201830 UTC May 17.</p>																																																								
<p><b>357. Cancel NAVAREA VIII MSG 325 and this MSG.</b></p>																																																								
<p><b>358. India West Coast.</b> Charts 251 254 255 292 INT 71. Rig list.</p> <table border="0"> <tr><td>ABAN III</td><td>18-37.24N 072-14.94E</td></tr> <tr><td>ABAN IV</td><td>18-43.45N 072-22.32E</td></tr> <tr><td>ACTINIA</td><td>19-19.60N 071-01.60E</td></tr> <tr><td>CE THORNTON</td><td>18-40.10N 072-13.56E</td></tr> <tr><td>DYNAMIC VISION</td><td>19-11.03N 072-11.12E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>18-33.63N 072-14.94E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>18-31.89N 072-16.74E</td></tr> <tr><td>FG MCCLINTOCK</td><td>18-32.70N 072-13.95E</td></tr> <tr><td>GALVESTON KEY</td><td>20-32.79N 071-58.41E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>19-30.34N 070-50.96E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>19-08.71N 072-07.02E</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>20-17.61N 071-16.76E</td></tr> <tr><td>HARVEY H WARD</td><td>18-34.57N 072-16.74E</td></tr> <tr><td>JINDAL STAR</td><td>19-08.72N 071-55.25E</td></tr> <tr><td>JT ANGEL</td><td>20-19.60N 071-12.51E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-07.79N 071-59.93E NEW</td></tr> <tr><td>PARAGON L-786</td><td>18-47.21N 072-19.52E</td></tr> <tr><td>PARAGON M 1161</td><td>19-27.55N 071-11.25E</td></tr> <tr><td>PARAMESWARA</td><td>22-49.50N 068-17.75E</td></tr> <tr><td>RON TAPMEYAR</td><td>19-25.44N 071-19.53E</td></tr> <tr><td>ROWAN LOUISIANA</td><td>18-28.02N 072-17.17E</td></tr> <tr><td>SAGAR GAURAV</td><td>22-38.90N 068-25.20E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-15.09N 070-52.83E</td></tr> <tr><td>SAGAR JYOTI</td><td>18-56.77N 071-54.32E</td></tr> <tr><td>SAGAR KIRAN</td><td>19-25.95N 071-13.04E</td></tr> <tr><td>SAGAR UDAY</td><td>22-58.80N 068-35.90E</td></tr> <tr><td>TRIDENT II</td><td>19-27.37N 071-17.94E</td></tr> <tr><td>VALIANT DRILLER</td><td>19-34.43N 071-23.09E</td></tr> </table>	ABAN III	18-37.24N 072-14.94E	ABAN IV	18-43.45N 072-22.32E	ACTINIA	19-19.60N 071-01.60E	CE THORNTON	18-40.10N 072-13.56E	DYNAMIC VISION	19-11.03N 072-11.12E	DEEP SEA FORTUNE	18-33.63N 072-14.94E	DEEP SEA FOSSIL	18-31.89N 072-16.74E	FG MCCLINTOCK	18-32.70N 072-13.95E	GALVESTON KEY	20-32.79N 071-58.41E	GREAT DRILL CHAARU	19-30.34N 070-50.96E	GREAT DRILL CHAAYA	19-08.71N 072-07.02E	GREAT DRILL CHITRA	20-17.61N 071-16.76E	HARVEY H WARD	18-34.57N 072-16.74E	JINDAL STAR	19-08.72N 071-55.25E	JT ANGEL	20-19.60N 071-12.51E	NOBLE ED HOLT	19-07.79N 071-59.93E NEW	PARAGON L-786	18-47.21N 072-19.52E	PARAGON M 1161	19-27.55N 071-11.25E	PARAMESWARA	22-49.50N 068-17.75E	RON TAPMEYAR	19-25.44N 071-19.53E	ROWAN LOUISIANA	18-28.02N 072-17.17E	SAGAR GAURAV	22-38.90N 068-25.20E	SAGAR SHAKTI	19-15.09N 070-52.83E	SAGAR JYOTI	18-56.77N 071-54.32E	SAGAR KIRAN	19-25.95N 071-13.04E	SAGAR UDAY	22-58.80N 068-35.90E	TRIDENT II	19-27.37N 071-17.94E	VALIANT DRILLER	19-34.43N 071-23.09E
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<b>358.</b>	<p><b>Continued.</b></p> <p>VIRTUE-I 20-19.05N 072-00.85E  VIVEKANANDA-1 20-32.06N 072-09.16E  VIVEKANANDA-2 19-27.59N 071-24.98E</p> <p>2. Wide berth requested.  3. Cancel NAVAREA VIII MSG 340.</p>
<b>359.</b>	<p><b>NAVAREA VIII Warnings in Force as on 28 Apr 17</b></p> <p><b>2016 Series</b> - 432 464 572 644 685 702 723 729 779  <b>2017 Series</b> - 016 050 061 119 169 173 183 189 196 280 295 303 304 305 306 307 308 317  318 322 323 331 333 335 341 342 343 345 346 348 349 350 351 352 353 354 355 356  357 358</p> <p>(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 <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>.</p> <p>2. Cancel this MSG 281000 UTC Apr 17.</p>
<b>360.</b>	<p><b>India West Coast – Central Arabian Sea.</b> 22 293 INT 71. Firing by Naval ships scheduled from 010030 – 031330 UTC May 17 in danger area bounded within 15-08N to 17-04N and 069-07E to 071-38E.</p> <p>2. Cancel this MSG 120830 UTC Jan 17.</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
D7298.58	-- No 34	23 49.97 N 37 54.38 E	Q(6)+LFI W 15s *	7	4	∇ on black pile, yellow top	
D7456	RA'S TANAQIB. EAST APPROACHES. JAZIRAT HARQUS - Jazirat Harqus	27 56.15 N 49 40.86 E *	FI W 10s	9	8	Beacon 4	
D7505.4	- Breakwater. Head	28 25.14 N 48 31.75 E	FI G 3s *	..	5	Concrete block 1	*
F0396	GUJRAT COAST - Dwarka Point	22 14.30 N 68 57.50 E	FI(2)W 20s	48	30	White square stone tower, black bands 43	<i>fl 0.3, ec 4.7, fl 0.3, ec 14.7</i> Storm signals. R Lt 43 on radio mast 16M SE ILRS Vol 2 Station 78920 <b>TD 2017</b>
--	--	..	Racon	..	..	..	MMSI No 004192211 *
--	--	..	AIS	..	..	..	
F0397	- Kachchigadh	22 19.87 N 68 56.92 E	FI(4)W15s	33	18	White round concrete tower, red bands 30	<i>(fl 0.4, ec 1.5)x 3,</i> <i>fl 0.4, ec 8.9.</i>
--	--	..	Racon	..	..	..	ILRS Vol 2 Station 78900 <b>TD 2017</b> *
F1212.5	North Brother Island	10 59.20 N 92 40.03 E	FI(2)W20s	14	10	White metal framework tower 12	<i>fl 0.5, ec 4.5, fl 0.5, ec 14.5</i> <b>TE 2017</b> *
F1222.8	Tillanchang Island	08 28.17 N 93 37.00 E	FI W 10s	114	25	White framework tower with black bands	<i>fl 0.5</i> *
K1002	PULAU BANGKA. TELUK KLABAT. PULAU PENYUSU - Pulau Penyusu	01 31.78 S 105 41.43 E	FI W 7.5s	36	18	White metal tower 40	W 090°-262°(172°) *

**SECTION – VIII**  
**CORRECTION TO LIST OF RADIO SIGNALS**

**INP 31(1), 2014**

(Last correction: Edition No. 05 dated 01Mar 2017)

NIL

**INP 31(2), 2014**

(Last correction: Edition No. 07 dated 01Apr 2017)

**PAGE 44,**

Insert entry below **SRI LANKA**

<b>TANZANIA (674)</b>					
<b>Tanga Lt Buoy No 1</b>	05°03'.69S 39°13'.19E			Real	

(Source: BA 15/17)

(09 /17)

**INP 31(5), 2011**

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

NIL

**INP 31(6), 2012**

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

**PAGE 184, SRI LANKA, COLOMBO, Pilots and Port, PROCEDURE,**

Delete entry and replace by,

**PROCEDURE:**

- (1) **Pilotage is compulsory.**
- (2) Port control will advise vessels which Boarding Ground to approach.
- (3) **Pilot boards** in the following positions:
  - (a) Boarding Ground A: 06°59'.00N 79°48'.50E
  - (b) Boarding Ground B: 07°00'.50N 79°47'.50E

(Source: BA 14/17)

(09 /17)

## **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.

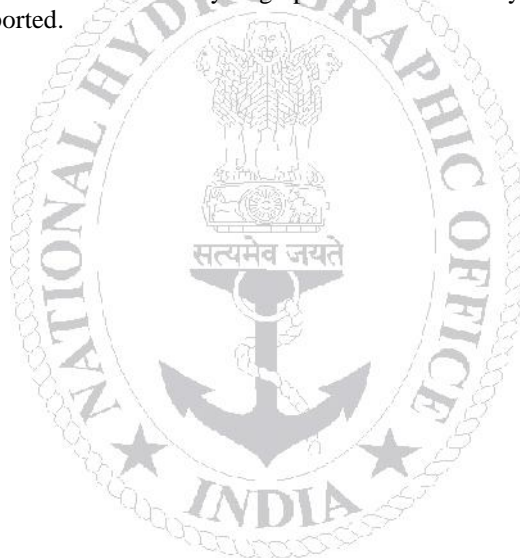
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

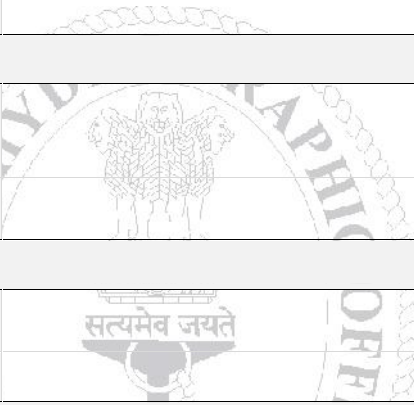





<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object 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					

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

<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
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	

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

*To accompany Indian Notice to Mariners 078/17*

*Chart 2502*

SUMARINE CABLE

Mariners are advised not to anchor or trawl in the vicinity of submarine cable.



**FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR**

**Email: [indsar@vsnl.net](mailto:indsar@vsnl.net)**

**NATION WIDE SAR TELE: 1554 (LAND LINE)**

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

**AFTN: VABBYXYC**