



INDIAN NOTICES TO MARINERS FOR 2009

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(CONTAINS NOTICES 320 TO 332)

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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 Govt. of India at the above mentioned address/fax number/ E mail ID immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and short comings 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. Please visit our website for downloading and filling up instruction for Hydrographic Note.

**Chief Hydrographer
to the Government of India**

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For the Indian Ocean Area
INSIST ON INDIAN CHARTS AND
PUBLICATIONS
Original, Authentic and Most Up-to-date

EXPLANATORY NOTES

Corrections to Charts and Publications Section I comprises List of Charts affected by the notices contained in this edition. Where as 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 INT 1 (5020).
- (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. These corrections are not inserted on charts before they are issued to the users. 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 can not always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

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

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

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

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

Use of Global Positioning System (WGS 84) positions

- (a) The positions of Hydrographic objects shown on most 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) Where ever 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 & 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.

INDIAN CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

(a) **NEW EDITION INDIAN CHARTS**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
3003	31-08-2009	PONDICHERRY ANCHORAGE	25,000	5	Rs. 1527.00
		<u>Limits</u> 11° 52'.00N; 79° 48'.50E. 11° 58'.33N; 79° 57'.31E.			
		CUDDALORE ANCHORAGE	25,000		
		<u>Limits</u> 11° 40'.00N; 79° 45'.70E. 11° 46'.80N; 79° 54'.50E.			

(b) **INDIAN CHARTS PERMANENTLY WITHDRAWN**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
3003	15-03-2008	PONDICHERRY ANCHORAGE	3003	31-08-2009
		CUDDALORE ANCHORAGE		

(c) **FORTHCOMING CHARTS**

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2015 (INT 7337)	PORT OF MUMBAI	20,000	New Edition
2030	SRIVARDHAN AND BANKOT ANCHORAGES	25,000	New Edition
2036	MURUD JANJIRA HARBOUR	25,000	New Edition
2065	PORT DABHOL	15,000	New Chart
3026	APPROACHES TO VADAREVU AND NIZAMPATNAM BAY	80,000	New Edition
4014	RANGAT BAY TO DILIGENT STRAIT	60,000	New Edition

AVAILABILITY OF ENC:

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP) and UKHO. UKHO distributes Indian ENCs through the world wide network of their agents and distributors. Details of UKHO agents / distributors may be obtained from UKHO web site www.ukho.gov.uk 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:

<p>The Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248001 Tele: +91-135- 2747365 Fax: +91-135-2748373 Email: inho@dataone.in Inho_marinesafety@dataone.in Website: www.hydrobharat.nic.in</p>	<p>Director, JEPPESEN MARINE Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91-22- 65103668 Fax: 91- 22- 67939504 Email: info@c-map.co.in Website: www.c-map.co.in</p>
<p>United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Email: helpdesk@ukho.gov.uk Web site: www.ukho.gov.uk</p>	<p>Director General Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail:-gerry.larsson-fedde@statkart.no Website: - www.primar.org</p>

TEMPORARY AND PRELIMINARY NOTICES*In Force 01 Oct 2009**(Former In Force List dated 01 Jul 2009 is cancelled)*

Cancelled Notices

<i>Area</i>	<i>Notice No.</i>
1	498/08.
2	553/08, 86/09, 097/09, 120/09, 251/09, 271/09.
3	548/06, 586/07.
4	Nil

1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN

Notice	Charts Affected	Description
506/04	20 – 8004.	IRAN – Khuran (Clarence Strait) – Jetty. Buoyage. Depths. Drying height. Pilot boarding place. Lights. Moorings buoys.
445/06	20 – 21 – 286 – 291 – 2088 – 2094 – 2095 – 2096 – 7703 (INT703) – 7705(INT 705) – 8009 – 8010.	ARABIAN SEA – RED SEA – Submarine cables.
446/06	20 – 21– 22 (INT 752) – 255 (INT 7334) – 291 – 292 (INT 7021) – 2016 (INT 7336) – 2088 – 2094 – 2095 – 2096 – 7705 (INT 705) – 7706 (INT 706)	ARABIAN SEA – Seeb to Mumbai (Bombay) – Submarine cable.
577/06	20.	SAUDI ARABIA – EAST COAST – – Buoyage. Restricted areas
598/06	20.	SAUDI ARABIA – EAST COAST – Al Khubar to Al Kuwayt, KUWAIT – Submarine cable
599/06	20.	BAHRAIN – Al Manama to SAUDI ARABIA, Al Khubar – Submarine cable
600/06	20 – 8004.	KUWAIT – Al Kuwayt to Bandar 'Abbas, IRAN – Submarine cable
621/07	7071 (INT 71) – 7072 (INT 72) – 7704 (INT 704).	RED SEA – Jazirat at Tair – Light.
249/08	20 – 288 – 289 – 8004.	UNITED ARAB EMIRATES – QATAR – Submarine cables.

354/08	20 – 289.	UNITED ARAB EMIRATES – Jazirat Das to Ras al Qila – Submarine pipeline.
110/09	8008.	INDIAN OCEAN – Cabo Delgado to Lamu Bay – United Republic of Tanzania – Met Ocean Buoys.
201/09	2049 – 2050.	PAKISTAN – Karachi Harbour – Lower Harbour Eastwards – Works.
272/09	245 – 289 – 290 – 8004.	GULF OF OMAN – United Arab Emirates – Fujairah (Fujayrah) and Khawr Fakkan – Anchorage areas. Breakwater. Buoyage. Restricted area.Works.

2. INDIA WEST COAST – INDIAN OCEAN

137/04	21– 203 – 2068 – 7705 (INT 705)	INDIA – WEST COAST – Gulf of Kachchh – Ballast Split.
102/05	2021 – 2068 – 2080	INDIA – WEST COAST – Gulf of Kachchh – Mundra Port – Work.
72/06	2003 – 2053.	INDIA –WEST COAST – Sacrifice Rock to Beypore – Sea Wall.
230/06	268 (INT 7353) – 2006 – 2007 – 2023 – 2047.	INDIA –LAKSHDWEEP ISLANDS– FAD.
256/06	21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 2016 (INT 7336) – 7705(INT 705) – 7706 (INT 706)	INDIA – WEST COAST – Inner Approaches to Mumbai.
496/06	255 (INT 7334) – 211 – 2016 (INT 7336)	INDIA – WEST COAST – Inner approaches to Mumbai – Obstruction
306/07	254(INT 7331) – 208 – 209 – 2044 – 2101 – 2019	INDIA – WEST COAST – Approaches to Magadalla – Tapi Channel – Buoys.
582/07	2008.	INDIA – WEST COAST – Karwar arbor and approaches – Channel .Depth.
171/08	2040	INDIA – WEST COAST – Porbandar Anchorage – Depth.
216/08	273 – 2006	INDIA – LAKSHADWEEP – Minicoy Island – Construction work.
400/08	21 – 203(INT 7319) – 2080 – 2027.	INDIA – WEST COAST – Gulf of Kachchh – Rozi Anchorage – Wreck.
401/08	22 (INT 752) – 214 – 257 (INT 7343) – 293 (INT 7022) – 2020 – 2022 (INT 7345) – 2078 (INT 7346).	INDIA – WEST COAST – Approaches to Mormugao – Construction Work.
439/08	2080 – 2018 (INT 7321) – 2059 (INT 7322).	INDIA – WEST COAST – Kandla – Sogal channel – Buoy.Jetty
524/08	212 – 2011.	INDIA – WEST COAST – Port Dabhol – Buoys.Lights.
550/08	292(INT 7021) – 254(INT 7331) – 208 – 2039.	INDIA – WEST COAST – Gulf of Khambhat Northern Portion – Obstruction.

595/08	2008 – 2010.	INDIA – WEST COAST – Karwar Harbour and Approaches – Transit Marks. Buoy.
596/08	21– 22(INT 752) – 214 – 215– 257 – 256(INT 7340) –259(INT 7356) – 272 – 293 (INT 7022) – 7705 (INT 705).	INDIA – WEST COAST – Arabian Sea – Mooring Deployed.
082/09	2016(INT 7336).	INDIA – WEST COAST – Inner Approaches to Mumbai – Obstruction.
083/09	2073.	INDIA – WEST COAST – Approaches to Kundapura (Coondapoor) – Experimental / Demonstration Cage.
084/09	2053.	INDIA – WEST COAST – Sacrifice Rock to Bepore – Breakwater.
085/09	2047.	INDIA – LAKSHADWEEP – Plans in Lakshadweep – Kalpitti to Parali Island – Agatti – Jetty.
105/09	2100.	INDIA – WEST COAST – Approaches to Port Pipavav – Port Pipavav – Dredging.
106/09	2016(INT 7336).	INDIA – WEST COAST – Inner approaches to Mumbai – Obstruction.
130/09	22(INT 752) – 23 – 268 (INT 7353) – 272 – 273 – 292 (INT 7021) – 293 (INT 7022) –7071(INT 71) –7072 (INT72) –7073 (INT73) – 7705 (INT 705)	INDIAN OCEAN – INDIA – WEST COAST– Arabian Sea – Data Buoys.
132/09	21 – 33 – 271 – 292 (INT 7021)	INDIA – WEST COAST & INDIAN OCEAN – Tsunami Data Buoys.
215/09	21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 7705 (INT 705).	INDIA – WEST COAST – Off Murud– Janjira – Buoy.
226/09	203(INT 7319) – 2068 – 2031 – 2013.	INDIA – WEST COAST – Port of Okha – Buoys.
248/09	22(INT752) – 705(INT705).	INDIA – ARABIAN SEA – Buoys.
249/09	253 (INT7328) –206 –2055.	INDIA – WEST COAST – Mul Dwarka Port – Data Buoys.
250/09	253 (INT7328) –206 –2055.	INDIA – WEST COAST – Mul Dwarka Port – Current Meter Observation.
252/09	2022 (INT 7345).	INDIA – WEST COAST – Approaches to Mormugoa – Buoy.
318/09	21 – 292 (INT 7021) – 255 (INT 7334) – 210 – 211.	INDIA – WEST COAST– Satpati – Light.
319/09	259 (INT 7356) – 260 (INT 7363) – 220 – 2029 (INT 7358) – 2004(INT 7359).	INDIA – WEST COAST– Kochi (Cochin) Harbour – Buoys.
328/09	2011.	INDIA – WEST COAST – Jaigarh Harbour – Works. Buoys.
329/09	203(INT 7319) – 2068.	INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.
330/09	203(INT 7319) – 2068 – 2060 – 2079.	INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.

331/09	203(INT 7319) – 2068.	INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.
332/09	2020 – 2022 (INT 7345) – 2078 (INT 7346).	INDIA -WEST COAST – Port of Mormugao – Buoys.

3. INDIA EAST COAST – ANDAMAN NICOBAR, SRI LANKA, MAYANMAR

63/03	4001 – 4014 – 403.	INDIA – BAY Of BENGAL – Middle Andaman – Rangat Bay – Beacon
343/03	4032.	INDIA – NICOBAR ISLANDS – Sawai Bay and Malacca Anchorage – Breakwater, Beacon.
193/04	225 – 2064.	SRILANKA – WEST COAST – Colombo, Weligama Bay and Beruwala Point Westwards – Depths. Wreck. Rocks. Harbour limit. Port development.
389/04	4013 – 4016.	INDIA – ANDAMAN SEA – Neill Island – Jetty.
88/05	4011 – 4017.	INDIA – NICOBAR ISLANDS – Katchall Island – Approaches to East Bay – Beacon.
135/05	4010.	INDIA – ANDAMAN SEA – Little Andaman Islands – Hut Bay – Coast line. Jetty. Light.
540/05	7708 (INT 708).	INDIAN OCEAN – Cocos Islands – Light– beacon.
428/06	351 – 301.	INDIA – EAST COAST – Ocean – Approaches to Hugli River – Obstruction
106/07	358(INT 7394) – 317.	INDIA – SRILANKA – Palk Bay – Western Portion – Obstructions
219/07	4032.	INDIA – NICOBAR ISLANDS Sawai Bay & Malacca Anchorage – Transit mark – Beacon.
222/07	23 – 32(INT 754) – 33 – 226 – 264– 358 – 359 – 2064 – 7704 (INT 704).	SRI LANKA – South Coast – Little Basses Reef – Light.
419/07	406 – 4010.	ANDAMAN SEA – INDIA – Little Andaman Islands – Hut Bay – Light.
109/08	301– 351 – 3011(INT 7421) – 3013 – 3006(INT 7423).	INDIA – EAST COAST – Hugli River – Haldia to Kukrahatti Reach – Depths.
200/08	32 (INT 754) – 33 – 357 (INT 7397) – 3007 – 3033.	INDIA – EAST COAST – Chemplast Karaikal Terminal – Construction Work. Dredging.
201/08	41 – 473(INT 7031) – 405 – 4030.	INDIA – ANDAMAN SEA – Manners Strait and Duncan Passage – Wreck.
220/08	31 – 351 – 3017.	INDIA – EAST – COAST – Approaches to Dhamra River – Construction Work.
246/08	33 – 41 – 471 – 472(INT 7032) – 409 – 4035 – 4039.	ANDAMAN SEA – INDIA Nicobar Island – Campbell Bay – Jetty Construction.
331/08	23 – 32 – 225 – 263 – 264 – 2063.	SRILANKA – WEST COAST – Approaches to Colombo – Construction Work.

373/08	3003	INDIA – EAST COAST – Pondicherry Anchorage – Light.
404/08	33 – 41 – 473(INT 7031) – 405.	INDIA – ANDAMAN ISLANDS – Port Blair to Little Andaman I – FAD.
555/08	3002 (INT 7410) – 3012(INT 7411).	INDIA – EAST COAST – Approaches to Vishakhapatnam – Obstruction.
582/08	3028	INDIA – EAST COAST – Ports of Ennore – Jetty. Construction Work.
122/09	3010.	INDIA – EAST COAST – Approaches to Paradip – Paradip Port – Dumping Ground.
131/09	31 – 32 (INT 754) – 33 – 41 – 356 (INT 7400) – 391 – 407 – 472(INT 7032) – 473 (INT 7031)	INDIA– EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys.
134/09	31 – 32 (INT 752) – 354 (INT 7408)	INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.
154/09	4019	BURMA – Rangoon river – Channel. Depths. Recommended route. Buoyage. Wrecks. Port Developments. Coastline. Drying contour. Bridge.
184/09	391 – 354(INT 7408) – 3009.	INDIA – EAST COAST – Approaches to Kakinada – Pilot Boarding Place.
185/09	225 – 2063.	SRI LANKA – WEST COAST – Colombo Harbour and Approaches – Depths.
199/09	3035.	INDIA – EAST COAST – Gangavaram Port – Data Buoy.
200/09	31– 32(INT 754) – 353 – 391 – 354(INT 7408) – 356(INT 7400).	INDIA – EAST COASTS – Bay of Bengal – Chennai to Kalingapatnam – Underwater Moorings.
202/09	23 – 31 – 33 – 7702(INT 702) – 7706(INT 706) – 7707(INT 707).	INDIAN OCEAN – Data buoys.
253/09	352 (INT 7416) – 3010 (INT 7418).	INDIA – EAST COAST – Paradip Port – Buoy.
254/09	23 – 32 (INT 754) – 33 – 41 – 225 – 264 – 356 (INT 7400) – 371 – 391 – 7706 (INT706).	INDIA – BAY OF BENGAL – Buoys.

4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA

383/03	33 – 41	INDONESIA –Sumatera – North and Northwest Coasts – Restricted area.
223/07	4026 – 4027	MALAYSIA – Peninsular Malaysia, West Coast – Pinang Harbour – Coastline. Works. Lights. Beacons. Depths. Drying patch. Wrecks. Obstructions. Dredged areas. Marine farms.
377/07	7508(INT 508)	INDONESIA – Sumatera – Pulau Belitung West Coast – Tanjungpandan to Jawa North Coast – Pakis – Submarine cable.

SECTION – I**List of charts affected by****The Notices 320 to 332 contained in this Edition**

CHART NUMBER	FOLIO NO.	NOTICE NO.
203 (INT 7319)	2	329(T),330(T),331(T)
289	1	327
352 (INT 7416)	5	323
402	6	324
434	7	326
435	7	326
2011	3	328(T)
2015 (INT 7337)	3	321
2016 (INT 7336)	3	321
2020	3	332(T)
2022 (INT 7345)	3	332(T)
2028	3	320
2060	2	330(T)
2068	2	329(T),330(T),331(T)
2074	3	320
2077	3	320
2078 (INT 7346)	3	332(T)
2079	2	330(T)
3010 (INT 7418)	5	323
3012 (INT 7411)	5	322
4031	6	324
4040	6	325

SECTION – II: PERMANENT NOTICES
INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS

***320/(19/09) INDIA – WEST COAST – Pawas Bay – Ranpar Port – Buoys.**

Source: Ranpar Port
(HJ/1030/66)

Chart 2028 [previous update 586/08]

Substitute  for  16° 53′.33N., 73° 17′.03E.
 for  16° 53′.05N., 73° 17′.10E.

Chart 2077 [previous update 586/08]


Substitute  for  16° 53′.33N., 73° 17′.03E.
 for  16° 53′.05N., 73° 17′.10E.

Chart 2074 [previous update 586/08]

Substitute  for  16° 53′.33N., 73° 17′.03E.
 for  16° 53′.05N., 73° 17′.10E.

***321/(19/09) INDIA – WEST COAST – Port of Mumbai – Pilot Vessel Cruising Ground.**

Source: Mumbai Port Trust
(HJ/1030/87)

Chart 2016 (INT 7336) [previous update 240/09]

Delete Legend, “Pilot Vessel’s Cruising Ground”, centered on: 18° 51′.40N., 72° 50′.70E.

Chart 2015 (INT 7337) [previous update 240/09]

Delete Legend, “Pilot Vessel’s Cruising Ground”, centered on: 18° 50′.85N., 72° 50′.00E.



***322/(19/09) INDIA – EAST COAST – Visakhapatnam Harbour – Light. Leading line. Legend.**

Source: Hydrographic Note, INS Darshak.

Indian List of Lights Vol F & K (2003) : F0975, F0975.1

(HJ/1029/76)

Chart 3012 (INT 7411) [previous update 162/09]

Insert  17° 42′.35N., 83° 16′.51E.
Delete  Fl.R (a) 17° 41′.71N., 83° 16′.15E.
17° 41′.68N., 83° 16′.24E.
leading line, pecked line and firm line, with associated (a) above
legend 2Lts ≠ 285°, joining 17° 41′.50N., 83° 16′.97E.

*** 323/(19/09) INDIA – EAST COAST – Approaches to Paradip – Buoy.**

Source: Paradip Port Trust

(HJ/1129/03)

Chart 352 (INT 7416) [previous update 313/09]

Insert  Mo(U).R.15s 20° 12′.50N., 86° 39′.06E.

Chart 3010 (INT 7418) [previous update 313/09]


Insert  Mo(U).R.15s 20° 12′.50N., 86° 39′.06E.

***324/(19/09) INDIA – Andaman Islands – North Andaman Island– Pine Bay – Rock.**

Source: Navarea VIII 419/09.

*(HJ/1028/37)***Chart 402** [*previous update 315/09*]Insert  13° 34′.67N., 92° 59′.99E.**Chart 4031** [*previous update NC 01 Jul 03*]Insert  13° 34′.67N., 92° 59′.99E.***325/(19/09) INDIA – Andaman Islands – Mayabandar Harbour – Beacon.**

Source: ROS M(N) – 167.

*(HJ/1028/27)***Chart 4040** [*previous update 316/09*]Insert  Fl.G.3s 12° 55′.933N., 92° 53′.560E.Delete  Fl.G.3s 12° 55′.960N., 92° 53′.598E.**326/(19/09) THAILAND - West Coast - Butang Group - Ko Sawang - Light.**

Source: BA Notice – 5084/09.

*(HJ/928/49)***Chart 434** [*previous update 152/09*]

Amend range of light to, 16M 6° 29′.8N., 99° 11′.0E.

Chart 435 [*previous update 195/09*]

Amend range of light to, 16M 6° 29′.8N., 99° 11′.0E.

327/(19/09) IRAN - Jazō-reh-ye Lavan Northwards -Bandar-e Shiu - Light.

Source: BA Notice – 5165/09.

*(HJ/1132/76)***Chart 289** [*previous update 303/09*]Insert  Fl(2)6s.17m8M 27° 04′.9N., 53° 08′.6E.

SECTION – III: TEMPORARY AND PRELIMINARY NOTICES

***328(T)/(19/09) INDIA – WEST COAST – Jaigarh Harbour – Works. Buoys.**

Source: Maharashtra Maritime Board & Jaigarh Port Limited

(HJ/1030/76)

1. Dredging activities towards the development of Greenfield Port are in progress at Dhamankhol Bay, Jaigarh Port, bounded by:

- (a) 17° 18′.15N, 73° 12′.88E(Shore)
- (b) 17° 18′.20N, 73° 12′.90E
- (c) 17° 18′.60N, 73° 12′.50E
- (d) 17° 19′.40N, 73° 09′.90E
- (e) 17° 19′.10N, 73° 09′.80E
- (f) 17° 18′.60N, 73° 11′.40E
- (g) 17° 18′.25N, 73° 11′.58E(Shore)

2. Breakwater construction in progress within following co-ordinates:-

- (h) 17° 18′.33N, 73° 11′.75E(Shore)
- (j) 17° 18′.48N, 73° 11′.59E
- (k) 17° 18′.63N, 73° 11′.57E
- (l) 17° 18′.63N, 73° 11′.64E
- (m) 17° 18′.56N, 73° 11′.64E
- (n) 17° 18′.38N, 73° 11′.77E(Shore)

3. Berth construction and reclamation joining the following co-ordinates:-

- (p) 17° 18′.04N, 73° 12′.47E(Shore)
- (q) 17° 18′.12N, 73° 12′.36E
- (r) 17° 18′.38N, 73° 12′.60E
- (s) 17° 18′.26N, 73° 12′.73E
- (t) 17° 18′.20N, 73° 12′.72E(Shore)

4. Bund construction and reclamation joining the following co-ordinates:-

- (u) 17° 18′.46N, 73° 11′.64E
- (v) 17° 18′.12N, 73° 12′.36E

*5. Channel marking buoys are laid in the following positions:-

Buoy No.	Latitude	Longitude	Characteristics
1	17° 19′.18N	73° 10′.11E	Fl.G.5s
2	17° 19′.30N	73° 10′.15E	Fl.R.5s
3	17° 18′.92N	73° 10′.86E	Fl.G.5s
4	17° 19′.05N	73° 10′.91E	Fl.R.5s
5	17° 18′.64N	73° 11′.70E	Fl.G.5s
6	17° 18′.76N	73° 11′.75E	Fl.R.5s
7	17° 18′.51N	73° 12′.03E	Fl.G.5s
8	17° 18′.63N	73° 12′.12E	Fl.R.5s
8A	17° 18′.54N	73° 12′.41E	Fl.R.5s

6. Mariners to exercise Caution.

7. **Former INM 251(T)/09 is cancelled.**

* Indicates new or revised entry.

Chart affected – 2011.

***329(T)/(19/09) INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.**

Source: DLL Jamnagar.

(HJ/1131/20)

1. Paga buoy at position 22° 35′.46N, 69° 14′.01E is reported unlit.
2. Mariners to exercise Caution.

Charts affected – 203(INT 7319) – 2068.***330(T)/(19/09) INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.**

Source: DLL Jamnagar.

(HJ/1131/20)

1. Tilburn buoy at position 22° 37′.20N, 69° 31′.90E is reported unlit.
2. Mariners to exercise Caution.

Charts affected – 203(INT 7319) – 2068 – 2060 – 2079.***331(T)/(19/09) INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.**

Source: DLL Jamnagar.

(HJ/1131/20)

1. Ranvara buoy at position 22° 39′.18N, 69° 19′.80E is reported missing.
2. Mariners to exercise Caution.

Charts affected – 203(INT 7319) – 2068.***332(T)/(19/09) INDIA -WEST COAST – Port of Mormugao – Buoys.**

Source: Hydrographic Note, INS Trishul.

(HJ/1030/56)

1. Following channel marking buoys are reported unlit.

Buoy No.	Position	
	Latitude	Longitude
1	15° 24′.71N	73° 45′.18E
1A	15° 24′.61N	73° 44′.52E
2	15° 24′.87N	73° 45′.15E
2A	15° 24′.77N	73° 44′.49E

2. Mariners to exercise Caution.

Charts affected – 2020 – 2022 (INT 7345) – 2078 (INT 7346).

SECTION – IV: MARINE INFORMATION

MUMBAI NAVTEX COAST STATION

MSI Promulgation by Mumbai NAVTEX Coast Station position 19° 05'00 N, 072° 50'00 E is closed for maintenance.

(Source - NAVAREA VIII Warning 305/08)

Distribution of Indian Paper Charts and Nautical Publications

Indian Nautical Charts and Publications from National Hydrographic Office, India are now available globally. Details of overseas chart agents are as follows:-

<p>*JEPPESEN MARINE Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91 22 65103668 Fax: 91 22 67939504 Email: info@c-map.co.in</p>	<p>*JEPPESEN MARINE Jeppesen Norway AS P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: info@c-map.no Site: www.c-map.no</p>	<p>C-Map US Commercial 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: info@c-map.com</p>
<p>C-Map (UK) Ltd. Systems House Delta Business Park Salterns Lane, Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: info@c-map.co.uk</p>	<p>Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, 08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: info@mari-sys.com</p>	<p>Bogerd Martin NV, Oude Leeuwenrui 37 2000 Antwerp, Belgium Ph: +32 (3) 2134170 Fax: +32 (3) 2326167 Email: sales@martin.be Site: www.martin.be</p>
<p>Bogerd Martin Tianjin(China Branch) 2-B101 FTZ Hi-Tech Development Centre 131 Haibin 9 Road 300461 Tianjin China Ph: +86 22 257 62 721 Fax: +86 22 257 62 722 Email: charts-tj@martincn.com</p>	<p>C-Map Holland Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie cor@chartworx.nl</p>	
<p>* Indicates C Map Norway AS has changed name to Jeppesen Marine Norway AS. Indicates C Map India has changed name to Jeppesen India.</p>		

SHIP REPORTING SYSTEM (INDSAR)

1. In compliance to the provisions of international convention of Maritime Search and Rescue, 1979 (SAR convention 1979), and to provide/coordinate effective search and rescue operation in a possible event of unfortunate Marine causality the Indian Coast Guard brought in to operations the ship position reporting system w.e.f. 01 feb 2003 under the name “Indian Ship Reporting System” (INDSAR). The INDSAR is an advanced computerized system designed to contribute to safety of life at sea and is operated and maintained by the Indian Coast Guard through Maritime Rescue Coordinate centre in Mumbai. **All vessels transiting in the Indian Search and Rescue Region are requested to follow the guide lines as promulgated in Indian Notices to mariners “Special Edition to Notices to Mariners Notice no. 8 (Para 21 through 51)” for prompt action.**

2. INDSAR is a mandatory reporting by all Indian registered ships of 100 GRT or more including sailing and fishing vessels engaged in international and domestic coastal routes. The Indian Govt. encourages foreign ships of 100 GRT and above to participate in the INDSAR voluntarily for effective SAR co ordination and safety of life at sea. However position reporting is mandatory for all the vessels carrying dangerous goods, disabled vessels/ vessels of more than 20 years and those which require assistance due to urgency/distress.

3. With a view to encourage position reporting by merchant vessels transiting in ISRR to the Indian Ship Reporting System (INDSAR), INMARSAT – C Special access Toll free 43 code through LES PUNE is activated.

4. Procedure to send INDSAR ship report through INMARSAT – C Toll free Special Access code – 43 is as follows:

(a) Header Part

(a.i) Enter the header in following format in your message

(a.ii) m:indsar?vsnl.net

(a.iii) Where m stands for “Mail”

(a.iv) Always enter “:” after the service category m

(a.v) Kindly see that “@” sign is entered as “?”

(a.vi) Kindly see the following example where indsar@vsnl.net is entered as:
m:indsar?vsnl.net

(b) Message Part

(b.i) After header is finished type “BT” (Begin text) and then press enter in next line start typing your text messages

(b.ii) Then dial two digit codes “43” and sent the message. Transmit the message by selecting the LES ID 306 and special Access code “43” in the transmit menu with 7 bit format (for INDSAR toll free 43 special Access Code please use LES ID 306)

5. The complete message

The complete message looks like as shown below

M:indsar?vsnl.net
 BT
 (.....your message.....

)

6. The above INDSAR position report can also be send the following mode:

E mail : indsar@vsnl.net, icgmrcc_mumbai@mtnl.net.in
 Telefax : 0091 – 22- 24316558
 INMARSAT – C : 441907210

For any Technical Support for toll free 43 Special Access code Contact details:

Pune LES
 Tata Communication Limited
 Alandi Road, Dighi,
 Pune – 411 015
 Maharashtra - India

Telephone: 020 66153308/65343751
 Fax: 020 66153342
 E mail: puneles@tatacommunications.com

**ANTIPIRACY MEASURES BY SHIPS IN
 INDIAN SEARCH AND RESCUE AND RESCUE REGION**

1. Masters of ships are advised to immediately report any incident of piracy /armed robbery/petty theft or unauthorised boarding whilst in the Indian Search and Rescue Region to the nearest Maritime Rescue Coordination Centre of the Indian Coast Guard/ nearest Port authority.
2. The contact details of the MRCCs/MRSCs are available in following publications:
 - (i) Indian Special Edition 2008 Notice No. 7 page no. 48 , para 76
 - (ii) List of Radio Signals Volume I, INP 31(1), 2005, Page No. 29 to 35.

SECTION – V: RADIO NAVIGATIONAL WARNINGS IN FORCE

1. For details of NAVAREA limits and organization/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2008.
2. **NAVAREA Warnings in force:** - The serial numbers of all the NAVAREA warnings in force as on 30 Sep 09, covering the entire world are listed below against the respective NAVAREA.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
I	N.E. Atlantic	271	2008 Series: 341. 2009 Series: 055 180 205 220 224 227 228 230 239 245 253 262 263 268 269 270 271.
II	E. Atlantic	248	2009 Series: 104 219 225 226 229 235 236 237 247 248.
III	Mediterranean	357	2008 Series: 412 512. 2009 Series: 176 186 217 250 251 278 305 314 324 329 331 332 340 341 342 343 344 345 349 350 352 353 355 356 357.
IV	N.W. Atlantic	405	2009 Series: Nil
V	W. Atlantic	2009	2009 Series: 876
VI	S.W. Atlantic	250	2009 Series: Nil.
VII	S.E. Atlantic	178	2009 Series: 125 126 128 152 156 162 169 171 174 178.
VIII	Indian Ocean	431	2009 Series: - 282 340 344 352 357 367 385 387 388 389 392 393 394 404 408 409 419 420 423 424 425 426 427 429 430 431

3. NAVAREA Warnings issued during the period from 16 Sep 09 to 30 Sep 09 (both dates inclusive) are as tabulated below:-

409. India West Coast – Mumbai Harbour. Charts 22 255 292 293 2001 2015 2016 2076 INT 706. Mooring buoy laid in position 18-55.11N 072-50.43E. 2. All vessels operating in vicinity to exercise caution.
410 to 418. Cancelled.
419. Andaman Islands – Landfall Island. Charts 33 402 472 473 4003. Uncharted rock reported in position 13-34.73N 92-59.89E. 2. Mariners to exercise caution.
420. India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery from 0900 UTC to 1200 UTC on 29 Sep, 0900 UTC to 1200 UTC on 06 Oct 2009. Danger area bounded by (a) 09-57.50N 075-59.50E (b) 09-57.70N 076-14.20E (c) 09-44.00N 076-17.50E (d) 09-42.50N 076-09.50E 2. Safe flying height 10000 meters. 3. Cancel this message on 07 Oct 2009.
421 - 422. Cancelled.
423. India West Coast – Mormugao. Charts 22 257 INT 705 INT 706. Firing practice by naval aircraft between 0230 UTC to 1230 UTC from 30 Sep to 07 Oct 2009. Danger area bounded by (a) 15-13.00N 073-57.00E (b) 15-13.00N 073-52.00E (c) 15-11.00N 073-57.00E (d) 15-11.00N 073-52.00E 2. Safe flying height 3500 metres. 3. Cancel this message on 08 Oct 2009
424. Cancelled.

<p>425. Indian Ocean – Off Mahe Island. Charts INT 70 INT 71 INT 72 INT 702 INT 703. Seismic survey in progress by 'geo mariner' from 25 sep 2009 in area bounded by.</p> <p>(A) 05-10.0S 054-45.0E (B) 04-20.0S 054-44.0E (C) 04-11.0S 054-14.0E (D) 04-43.0S 053-56.0E (E) 05-10.0S 054-08.0E</p> <p>2. Vessel is towing 05 NM seismic cable attached with yellow tail buoy with white flashing light at the end of the cable.</p> <p>3. All vessels operating in vicinity are to keep a safe distance of 06 nm from the vessel and exercise caution.</p>								
<p>426. India West Coast – Off Veraval. Charts 21 206 253 292 INT 72 INT 704 INT 705. Drilling operation is in progress by rig Aban Ice in position 20-26.15N 070-12.06E.</p> <p>2. Wide berth requested.</p> <p>3. All vessels operating in vicinity to exercise caution.</p>								
<p>427. India East Coast - Gopalpur. Charts 31 352 353 354 3005 INT 706. Firing exercise will be carried out on following dates.</p> <table border="0"> <tr> <td style="text-align: center;"><u>Date</u></td> <td style="text-align: center;"><u>Time</u></td> </tr> <tr> <td style="text-align: center;">02 OCT to 05 OCT 2009</td> <td style="text-align: center;">2330 UTC to 1800 UTC</td> </tr> </table> <p>2. Danger area bounded by</p> <table border="0"> <tr> <td>(A) 19-14.36N 084-53.42E</td> <td>(B) 19-37.05N 085-27.85E</td> </tr> <tr> <td>(C) 18-46.05N 085-22.52E</td> <td></td> </tr> </table> <p>and arc of 42 NM radius joining point (B) and (C)</p> <p>3. Safe flying height 6100 metres.</p> <p>4. Cancel this message on 06 Oct 2009.</p>	<u>Date</u>	<u>Time</u>	02 OCT to 05 OCT 2009	2330 UTC to 1800 UTC	(A) 19-14.36N 084-53.42E	(B) 19-37.05N 085-27.85E	(C) 18-46.05N 085-22.52E	
<u>Date</u>	<u>Time</u>							
02 OCT to 05 OCT 2009	2330 UTC to 1800 UTC							
(A) 19-14.36N 084-53.42E	(B) 19-37.05N 085-27.85E							
(C) 18-46.05N 085-22.52E								
<p>428. Cancelled.</p>								
<p>429. India West Coast- Off Mumbai. Charts 21 22 211 255 292 293 2015 2016 INT 706. MV Shaheen anchored in position 18-39.76N 072-37.90E unmanned and unlit.</p> <p>2. All vessels operating in vicinity to keep sharp look out and exercise caution.</p>								
<p>430. India West Coast- Okha. Charts 21 202 203 251 271 291 2013 2068 INT 705. Seaward firing practice by Naval coast battery Okha between 1030 UTC to 1230 UTC on 07 Oct 2009. Danger area bounded by.</p> <table border="0"> <tr> <td>(A) 22-22.0N 068-50.0E</td> <td>(B) 22-37.0N 068-53.0E</td> </tr> <tr> <td>(C) 22-42.0N 069-08.0E</td> <td>(D) 22-29.0N 069-04.0E</td> </tr> </table> <p>2. Safe flying height 13000 metres.</p> <p>3. Cancel this message on 08 Oct 2009.</p>	(A) 22-22.0N 068-50.0E	(B) 22-37.0N 068-53.0E	(C) 22-42.0N 069-08.0E	(D) 22-29.0N 069-04.0E				
(A) 22-22.0N 068-50.0E	(B) 22-37.0N 068-53.0E							
(C) 22-42.0N 069-08.0E	(D) 22-29.0N 069-04.0E							
<p>431. India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval coast battery from 0900 UTC to 1200 UTC and 1230 UTC to 1430 UTC on 09 Oct 2009. Danger area bounded by.</p> <table border="0"> <tr> <td>(A) 09-57.50N 075-59.50E</td> <td>(B) 09-57.70N 076-14.20E</td> </tr> <tr> <td>(C) 09-44.00N 076-17.50E</td> <td>(D) 09-42.50N 076-09.50E</td> </tr> </table> <p>2. Safe flying height 10000 meters.</p> <p>3. Cancel this message on 10 Oct 2009.</p>	(A) 09-57.50N 075-59.50E	(B) 09-57.70N 076-14.20E	(C) 09-44.00N 076-17.50E	(D) 09-42.50N 076-09.50E				
(A) 09-57.50N 075-59.50E	(B) 09-57.70N 076-14.20E							
(C) 09-44.00N 076-17.50E	(D) 09-42.50N 076-09.50E							

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	181	<p>2007 Series: 062 172 200 212. 2008 Series: 022 027 044 046 051 061 069 089 105 107 128 176 179 182 191 202 207 211 216. 2009 Series: 002 040 092 136 142 150 151 155 159 163 166 170 171 172 176 180 181.</p>
X	Australia, New Guinea	226	<p>2009 Series: 102 128 134 161 166 170 188 191 194 196 211 213 214 216 218 222 225 226.</p>

XI	Malacca Strait, China Sea, N. Pacific	0618	2001 Series: 0775. 2003 Series: 0106. 2004 Series: 0361. 2005 Series: 0307. 2007 Series: 0002 0093 0133 0309 0344 0366 0513 0519 0523 0557. 2008 Series: 0054 0113 0160 0210 0219 0322 0347 0348 0349 0350 0352 0375 0380 0384 0398 0411 0475 0618 0675 0677. 2009 Series: 0120 0125 0171 0215 0244 0251 0259 0265 0281 0311 0468 0490 0538 0539 0550 0551 0552 0555 0562 0565 0570 0576 0581 0584 0586 0600 0601 0602 0603 0606 0607 0609 0610 0611 0612 0614 0615 0616 0617 0618.
XII	N.E. Pacific	442	2009 Series: Nil
XIII	N.W. Pacific	038	2009 Series: Nil
XIV	S.W. Pacific	031	2009 Series: Nil
XV	S.E. Pacific	109	2009 Series: Nil
XVI	E. Pacific	113	2009 Series: Nil
Hydropacs	Pacific, Indian Ocean	1743	2008 Series: 1140 1141 1473. 2009 Series: 687 1669.
Hydroplants	Atlantic, Mediterranean	1868	2009 Series: Nil

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
E5788	Tirebolu. Kale Burnu	41 00-48 N 38 49-26 E	Fl R 3s	31	18	White framework pylon on concrete base 4	
		*	*				
F0952-1	Krishnapatnam. S Breakwater. Head	14 14-75 N 80 08-87 E	Fl R				
*	*	*	*	*	*	*	*
F0952-11	Krishnapatnam. N Breakwater. Head	14 15-08 N 80 08-80 E	Fl G				
*	*	*	*	*	*	*	*
F0952-15	Krishnapatnam. Ldg Lts 264-5°. Front	14 14-76 N 80 07-34 E	Fl G	13	..	Tower	
*	*	*	*	*	*	*	*
F0952-151	Krishnapatnam. Ldg Lts 264-5°. Rear. 650m from front	14 14-73 N 80 06-98 E	Fl G 10s	40	..	Tower	
*	*	*	*	*	*	*	*
F0975	Remove from list						
F0975.1	Remove from list						
K1691-415	Remove from list						

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2005

(Last correction: Edition No. 07 dated 01 Apr 2009)

NIL

INP 31(2), 2007

(Last correction: Edition No. 14 dated 16 Jul 2009)

NIL

BA, VOLUME 3 Part 1, NP 283(1), 2006/07

(Last correction: Edition No. 15 dated 01Aug 2006)

NIL

INP 31(5), 1997

(Last correction: Edition No. 07 dated 01 Apr 09)

NIL

INP 31(6), 2005

(Last correction: Edition No. 14 dated 16 Jul 2009)

NIL

SECTION – IX: REPORTING OF NAVIGATIONAL DANGERS

Instructions for raising Hydrographic Note (Form IH 102)

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@dataone.in; inho_marinesafety@dataone.in
Fax No.: + 91 – 135 – 2748373
Web: www.hydrobharat.nic.in

Instructions for filling up Form IH 102 (Overleaf)

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. When a position is defined by bearings (true or magnetic to be specified) more than two bearings should be used in order to provide a check. Distances observed by Radar should be corrected for index errors. Latitude and Longitude obtained from GPS / DGPS should specify the datum (WGS 84 or other). A copy / tracing from the largest scale chart may be used for forwarding details, with the corrections and additions being shown thereon in red.

Depth Reporting

4. When soundings are obtained using Echo Sounders, the echo-gram should be duly annotated with date, time, position and depth, etc., before enclosing it with the Form IH 102. It is important to state whether 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 applied where necessary. The make, name and type of echo sounder should also be given. Care should be taken to set the echo sounder to the largest scale / phase, so as to obtain maximum details of echo of the feature. Efforts should be made to identify and negate false echoes if any.

5. Reports, which cannot be confirmed or are lacking in certain details should not be withheld. Limitations or shortcomings should be duly notified in the form.

6. Reports on shoal soundings, uncharted dangers and navigational aids out of order should be reported through fastest available means at the mariner's discretion, and also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 50 metres should be of sufficient importance to justify a radio message.

7. Port information should be forwarded on form IH 102a together with IH 102. Form 102a contains the information required for Sailing Direction and should be used as an *aide memoir*. Where there is insufficient space on the form, additional sheet should be used.

Please Note: - The receipt of all Hydrographic Notes will be duly acknowledged by the Hydrographic Office. Normally, the sender's ship or name is quoted as the source when the Notices to Mariners reporting the change is issued, unless the information is received through a foreign Notices to Mariners. Further communication from the Hydrographic Office to the sender of the hydrographic note will only be necessary to verify unusual features or abnormal values reported.

I.H. 102a (Revised 2003)**HYDROGRAPHIC NOTE FOR PORT INFORMATION****(For Reporting Changes to Port Information)**

(I.H. 102 is also to accompany this note)

Name and address of ship / sender:

Ref No.: _____

Date : _____

Fax No.: _____, E-mail: _____

1.	a) NAME OF THE PORT : b) Location : Lat: _____, Long: _____ c) Listing in Guide to Port Entry: Yes/No. Sl. No.:	
2.	NAME AND ADDRESS OF PORT AUTHORITIES a) Name b) Address c) Phone d) Fax e) E-mail	
3.	GENERAL REMARKS a) Principal activities and trade b) Latest population figures and date c) Number of ships and tonnage handled per year d) Maximum size and draught of vessels handled. e) Copy of Port Handbook <i>if available</i> .	
4.	ANCHORAGES a) Type / Purpose b) Minimum Depth at anchorage c) Shelter afforded d) Holding ground e) Recommended pilotage to the anchorage	
5.	PILOTAGE a) Authority for requests. b) Embarkation position c) Regulations d) Documents to be provided	
6.	DIRECTIONS a) Entry and berthing information. b) Tides (Height) c) Tidal Streams. d) Navigational aids.	
7.	POLLUTION CONTROL a) Local regulations in force (if any)	
8.	TUGS a) Number available b) Max. hp. c) Requesting authority d) Availability times e) Communication with Tugs f) Hiring Charges	

9.	BERTHING AND WHARVES a) Number of berths available b) Length, c) Depth alongside d) Facilities available. e) Procedures for requesting berthing and hiring charges	
10.	CARGO HANDLING a) Containers b) Lighters c) Roll on/ roll off, etc.	
11.	CRANES a) Brief details and max. Capacity. b) Container handling facilities	
12.	BRIDGES Vertical clearances	
13.	REPAIRS a) Hull, machinery and underwater b) Ship and boat yards c) Docking or Slipway facilities (Give size of vessels handled or dimensions) d) Hards and ramps. e) Divers / Diving Assistance	
14.	RESCUE AND DISTRESS Salvage, lifeboat, coastguard, etc.	
15.	SUPPLIES a) Fuel with type and quantities available. b) Freshwater and rate of supply. c) Provisions d) Chart Agents	
16.	SERVICES a) Radio Telegrams/Telephony b) Medical. c) Quarantine d) Consuls. e) Ship chandlery and stevedores, f) Compass adjustment, g) Tank cleaning, h) Hull painting. j) Diving and underwater examination k) Police / Ambulance / Fire l) Navigational warnings and weather bulletins m) Garbage Disposal n) Telephones p) Waste oil disposal	
17.	COMMUNICATIONS a) Road, rail and air services available b) Nearest airport or airfield. c) Port Radio and Information service (Frequencies and operating hours)	
18.	PORT AUTHORITY Designation, address and telephone number.	
19.	SMALL CRAFT FACILITIES a) Information and facilities for small craft /yachts visiting the port. b) Yacht clubs, berths etc.	
20.	SHORE LEAVE	

21. CLUBS / RECREATION / INFORMATION KIOSKS – Their location.	
22. VIEWS (duly annotated) Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour, etc. (Picture postcards may also be useful).	

Signature of Observer/Reporter.....

To

The Chief Hydrographer to the Government of India

National Hydrographic Office

107 A, Rajpur Road

Post Box No. 75,

Dehradun- 248001

(UTTARAKHAND), INDIA

E Mail: inho@dataone.in / inho_marinesafety@dataone.in

Fax No.: 91- 0135- 2748373

WEB: www.hydrobharat.nic.in

I.H. 102 (Revised 2003)**HYDROGRAPHIC NOTE**

(For Reporting Navigational Dangers/ Changes observed at Sea by Mariners)

Date :

Ref. No:

Details of the Sender / Originator

1. **Name of ship or sender:**.....
2. **Address of sender:**.....
.....
.....
E-mail; Fax No.; Tel. No.:.....
.....
3. **General Locality:**
4. **Chart / Publication Affected:**
 - a) Chart published by INHO / UKHO / other (Specify):
 - b) Chart No.: Edition Date:
 - c) Latest Edition of Indian N to M held:.....

Details of Changes / Dangers Observed

5. **Object of Change:**

	Date/Time of observation	Charted Observed	Position/Area
(a) Bathymetry:			
(i) Depth -			
(ii) Depth Contour -			
(iii) Channel Depth -			
(b) Navigational Dangers:			
(i) New Shoals.....			
(ii) New Rocks.....			
(iii) New Reefs.....			
(iv) New Wrecks.....			
(v) New Nav-aid (Specify) -			
(c) Casualties to existing Nav-Aids:			
(i) Buoys.....			
(ii) Lights.....			
(iii) Fog signals.....			
(iv) Racons.....			
(v) Transit Marks			
(vi) Leading Lines.....			
(vii) Clearance bearings.....			
(d) Designated Areas:			
(i) Exercise Areas			
(ii) Prohibited Areas			
(iii) Pilot Station			
(iv) Anchorage			
(v) Foul Ground			

- (e) Port Information:
 - (i) Berthing
 - (ii) Cranage
 - (iii) Tugs
 - (iv) Dry Docks
 - (v) Repair Facilities
 - (vi) Pilotage
 - (vii) Fuel
 - (viii) Water
 - (ix) Any other (Specify):.....
 - (f) Environmental Data:
 - (i) Met information
 - (ii) Tides and Tidal Stream
 - (iii) Pollutants
 - (iv) Effluents.....
 - (v) Marine Life / Habitats
 - (g) Other changes, if any, with Details:
6. **Information on the Positions of Danger / Changes Reported above:**
- (a) Positioning System used:
 - (b) Datum (WGS/Everest/ Local (Specify)) :
 - (c) Accompanying plots / photographs if any:
7. **Information on the Soundings / Depths Reported above:**
- a) Echo Sounder (Type) used:
 - b) Draught of Vessel set on Echo Sounder:
 - c) Observed water depth vis-à-vis charted depth:
 - d) Echo-gram accompanying this report: Yes / No
 - e) Whether voltage drop existed in equipment at observation time
 - f) Data and Time of depth observation
8. **Limitations if any in Reporting the changes above**

Signature of the Master / Reporter

Date:

To

The Chief Hydrographer to the Government of India

National Hydrographic Office

107 A, Rajpur Road

Post Box No. 75,

Dehradun- 248001

(UTTARAKHAND), INDIA

E Mail: inho@dataone.in / inho_marinesafety@dataone.in

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Please Note:

1. Please see Section X for Instructions for filling up this form.
2. Photograph / Sketches / Diagram, etc duly annotated will be useful supporting document.
3. Please rush this information to the Chief Hydrographer to the Govt. of India at the address given above, by the fastest available means.