



# INDIAN NOTICES TO MARINERS FOR 2007

(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)  
EDITION No. 07 DATED 01 APR 2007  
(CONTAIN NOTICES 172 TO 191)

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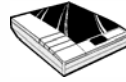
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**Mariner's Obligation and A Chart Maker's Plea.** Observing Changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. of India at the following address/ fax No, immediately on discovering new or suspected dangers to navigation, on observing changes/defects to navigational aids, and of short comings in Indian charts or publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section X with this notice.

**Chief Hydrographer  
to the Government of India**

**National Hydrographic Office  
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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** The Notices in section I provide information on new Indian Charts and Publications where as section 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 X.

**Temporary and Preliminary Notices** These are indicated by (T) and (P) 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 are published in Annual Edition of Indian Notices to Mariners. These corrections are not inserted on the charts before they are issued to the users. They should be inserted in pencil, by the user, on receipt.

**Source of Information** A star adjacent to the number of a Notice indicates that the notice is based on original source of information.

**Sailing Directions** Corrections for the Sailing Directions are given in Section VI.

**Lights** Corrections to Light List 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 corresponding field to be amended and all stars indicate that new light to be inserted.

**Radio Signals** The corrections in Section VIII should be cut and pasted in the appropriate volumes 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 endeavour 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 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 values 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 ENC's are now available in IHO's S-63 Data Protection Scheme also, in addition to CM-93 SENC format.

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**INDIAN CHARTS, PUBLICATIONS AND ENCs NOW PUBLISHED AND AVAILABLE****(a) NEW PUBLICATION**

Source: NHO, Dehradun

<i>Publication No</i>	<i>Title</i>	<i>Date of Publication</i>	<i>Remarks</i>
<b>INP2</b>	Bay of Bengal Pilot	19 Mar 07	First Edition 2007
<b>INP10</b>	Abridged catalogue of charts & Publications	31 Jan 07	

**FORTHCOMING CHARTS AND PUBLICATIONS**

<b>Chart No</b>	<b>Title</b>	<b>Scale</b>	<b>Remarks</b>
200	Churna Island to Gora Chan Creek	150000	New Edition
201	Gora Chan Creek to Godia Creeks	150000	New Edition
224	Manappad to Setukkarai	150000	New Edition
2007	Androth Island	30000	New Edition
2021	Mundra Port	12500	New Edition
2079	Approaches to Mundra Port	37500	New Edition
3012	Vishakhapatnam Harbour	12500	New Edition

**SECTION – I**  
**List of charts affected by**  
**The Notices 172 to 191 contained in this Edition**

<b>INDIAN H.O. Chart No.</b>	<b>Folio No.</b>	<b>Notice No.</b>	<b>ADMIRALTY Chart No.</b>	<b>Folio No.</b>	<b>Notice No.</b>
20	1	182	143 (INT 7005)	32	177
31	5	187 (T)	157 (INT 7006)	32	177
32 (INT 754)	5	187 (T)	159 (INT 7010)	32	178
33	5	187 (T)	333	32	179
220	3	175	648	36	176
259 (INT 7356)	3	175	1353	45	183
260 (INT 7362)	3	175	1788	46	184
289	1	182	2374	32	179
320	7	189 (T)	2777	45	183
321	7	188 (T)	2887 (INT 7232)	40	182
322	7	188 (T)	2889 (INT 7211)	40	181,182
371	7	188 (T), 189 (T)	2930	36	176
409	6	190 (T)	2964 (INT 758)	32	177
471	6	190 (T)	3175 (INT 7212)	40	182
472 (INT 7032)	6	190 (T)	3176 (INT 7216)	40	181,182
2002 (INT 7351)	3	174	3177	40	180
2004 (INT 7359)	3	175, 186 (T)	3411 (INT 7218)	40	182
2015 (INT 7337)	3	173	3412 (INT 7219)	40	182
2016 (INT 7336)	3	173	3584	45	183
2029 (INT 7358)	3	175	3739 (INT 7220)	40	181
3019	7	189 (T)	3921	45	183
3020	7	188 (T)			
3022	7	189 (T)			
4007	6	190 (T)			
7704 (INT 704)	1	177			
8004	1	182			

**SECTION – II: PERMANENT NOTICES**  
**INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS**

\*172 (07/07)

**MISCELLANEOUS UPDATES TO CHARTS**

Source: NHO, Dehradun.

Chart No.	Previous Updates	Details
-	-	(a) Refer to INM 29/07. (Annual Edition - 2007)
		(i) Page 3, Chart No. 8005. Read, year of publication 1992 instead of 1974.
		(ii) Page 3, Chart No. 8007. Read, year of publication 1992 instead of 1976.
		(iii) Page 10, Chart No. 2076. Read, year of publication 1990 instead of 1985.
		(iv) Page 19, Chart No. 4027. Read, year of publication 1988 instead of 1985.

\*173 (07/07) INDIA – West Coast – Port of Mumbai – Submarine Pipeline.

Source: Headquarters Offshore Defence Advisory Group  
(HJ/1030/87)

Chart 2015 (INT 7337) [previous update 147/07]

Cancel former INM 130(T)/05.  
Work Completed.

Chart 2016 (INT 7336) [previous update 147/07]

Cancel former INM 130(T)/05.  
Work Completed.

\*174 (07/07) INDIA – West Coast – Port of New Mangalore and Mangalore – Jetty.

Source: New Mangalore Port Trust  
(HJ/1030/25)

Chart 2002 (INT 7351) [previous update 337/06]


Insert	Jetty, Single firm line, joining	12° 55'.74N., 074° 49'.07E. (Existing Jetty) 12° 55'.73N., 074° 49'.03E. 12° 55'.69N., 074° 48'.84E. 12° 55'.73N., 074° 48'.83E.
Delete	Legend, Work in progress' centered on:	12° 55'.74N., 074° 49'.04E.

Cancel former INM 162(P)/99 and 274(P)/04.


**\*175 (07/07) INDIA – West Coast – Kochi (cochin) harbour – buoys.**

Source: Hydrographic Note of INS Sutlej and Navarea VIII, 134/07  
(HJ/930/93)


**Chart 260 (INT 7362) [previous update 062/07]**

Move		FL.10s7m10M Fairway	from:	09° 57′.80N., 76° 09′.09E.
			to:	09° 57′.74N., 76° 08′.79E.


**Chart 259 (INT 7356) [previous update 553/06]**

Move		FL.10s7m10M Fairway	from:	09° 57′.80N., 76° 09′.09E.
			to:	09° 57′.74N., 76° 08′.79E.


**Chart 220 [previous update 553/06]**

Move		FL.10s7m10M Fairway	from:	09° 57′.80N., 76° 09′.09E.
			to:	09° 57′.74N., 76° 08′.79E.

**Chart 2029 (INT 7358) [previous update 094/07]**

Move		FL.10s7m10M Fairway	from:	09° 57′.80N., 76° 09′.09E.
			to:	09° 57′.74N., 76° 08′.79E.

**Chart 2004 (INT 7359) [previous update 094/07]**

Move		FL.10s7m10M Fairway	from:	09° 57′.80N., 76° 09′.09E.
			to:	09° 57′.74N., 76° 08′.79E.

**176 (07/07) MOZAMBIQUE - Maputo - Lacerda, Cabo Inhaca and Baia de Maputo -Depth. Radar beacons. Lights.**

Indian Light List Vol. D&E, 2003, D- 6491,6492.1  
Source: BA Notice 1206/07.  
(HJ/634/47)

**BA Chart 648 [previous update 240/02]**

Amend	light to, Fl(3)5M	25° 33′.7S., 32° 51′.0E.
	light to, Fl(2+1)23M	25° 58′.8S., 32° 59′.2E.


**BA Chart 2930 [previous update 363/01]**

Substitute	depth 3 <sub>1</sub> for depth 3 <sub>7</sub>	25° 59′.1S., 32° 45′.0E.
Delete	radar beacon, Racon(C)(3cm), at No 1N light-buoy	25° 38′.0S., 32° 52′.7E.
	radar beacon, Racon(G)(3cm), at No 3s light-buoy	25° 52′.2S., 32° 54′.0E.

**177 (07/07) RED SEA - Jazirat at Ta'ir Northwards - Depths**

Source: BA Notice 1172/07.  
(HJ/1033/58)

**Chart 7704 (INT 704) [previous update 074/07] WGS84 DATUM**

Substitute	depth 49 enclosed by 50m contour for 	15° 49′.8N., 41° 47′.6E.
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**BA Chart 143 (INT 7005) [previous update 056/07]**

Insert	depth 49 enclosed by 50m contour	15° 49′.75N., 41° 47′.61E
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**BA Chart 157 (INT 7006) [previous update 436/06]**

Insert	depth 49 enclosed by 50m contour	(a) 15° 49′.8N., 41° 47′.6E.
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Delete	 Rep, adjacent to:	(a) above
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**BA Chart 2964 (INT 758) [previous update NC 21 Dec 06]**

Insert	depth 49 enclosed by 50m contour	(a) 15° 49′.8N., 41° 47′.6E
Delete	 Rep, adjacent to	(a)above

**178 (07/07) EGYPT - Red Sea Coast - Shaker Island South-eastwards to Ras Banas South-eastwards - Legend. Note.**

Source: BA Notice 1125/07.  
(HJ/1134/33)

**BA Chart 159 (INT 7010) [previous update 600/05]**



Insert	legend, PROTECTED AREAS (see Note), centred on:	23° 29′.0N., 36° 16′.0E.
		24° 49′.0N., 35° 38′.0E.
		26° 09′.0N., 34° 46′.0E.
		27° 17′.0N., 34° 12′.0E.
	the accompanying note, PROTECTED AREAS, centred on	28° 21′.0N., 36° 40′.0E.


**179(01/07) EGYPT - Red Sea Coast - Tor Bank to Ras Shukheir Terminal - Platform. Submarine pipeline. Well. Legend.**

Source: BA Notice 1197/07.



(HJ/1134/86)


**BA Chart 333** [previous update 584/06/]

Insert  submarine pipeline, , joining: 28° 12'·17N., 33° 21'·78E.  
 (a) above  
 (b) 28° 11'·55N., 33° 21'·16E.  
 (c) 28° 07'·44N., 33° 18'·86E.  
 (maritime limit)  
 (b)-(c)above  
 (a)above

legend, *Oil* (see Note), along:  
 Delete  Well, close W of:

**BA Chart 2374** [previous update 584/06/]

Insert  submarine pipeline, , joining: 28° 12'·17N., 33° 21'·78E.  
 (a) above  
 (b) 28° 11'·55N., 33° 21'·16E.  
 (c) 28° 07'·44N., 33° 18'·86E.  
 (maritime limit)  
 (b)-(c)above  
 (a)above

legend, *Oil* (see Note), along:  
 Delete  Well, close W of:

**180 (07/07) UNITED ARAB EMIRATES - Approaches to Abu Dhabi (Abu - Zaby) - Umm Ad Dalkh Oilfield West-north-westwards - Depths.**

Source: BA Notice 1169/07.

(HJ/1132/45)

**BA Chart 3177** [previous update 076/07/]


Insert depth 15 enclosed by 15m contour (a) 24° 39'·98N., 54° 00'·17E.  
 Delete depth 16<sub>4</sub>, close SW of: (a)above

**181 (07/07) UNITED ARAB EMIRATES - Approaches to Jebel Ali - Restricted area. Works.**

Source: BA Notice 1215/07.


(HJ/1132/45)

**BA Chart 2889 (INT 7211)** [previous update 098/07/]

Insert limit of restricted area, , joining: (a) 24° 54'·8N., 54° 53'·6E.(shore)  
 (b) 24° 58'·3N., 54° 51'·5E.  
 (c) 25° 03'·9N., 54° 50'·5E.  
 (d) 25° 03'·9N., 54° 53'·3E.  
 (e) 24° 57'·3N., 54° 57'·1E. (shore)  
 (a)-(e)above


legend, Works in progress (2007), within:

**BA Chart 3176 (INT 7216)** [previous update 076/07/]

Insert limit of restricted area, , joining: (a) 24° 54'·75N., 54° 53'·60E.(shore)  
 (b) 24° 58'·27N., 54° 51'·46E.  
 (c) 25° 03'·85N., 54° 50'·51E.  
 (d) 25° 03'·86N., 54° 53'·27E.  
 (e) 24° 57'·30N., 54° 57'·12E(shore)  
 (a)-(e)above

legend, Works in progress (2007), (see note), within:

**BA Chart 3739 (INT 7220)** [previous update 098/07/]

Insert limit of restricted area, , joining: (a) 24° 55'·89N., 54° 52'·86E.  
 (S border)  
 (b) 24° 58'·27N., 54° 51'·46E.  
 (c) 25° 03'·85N., 54° 50'·51E.  
 (d) 25° 03'·86N., 54° 53'·27E.  
 (e) 24° 57'·30N., 54° 57'·12E.(shore)  
 (a)-(e)above

legend, Works in progress (2007), (see note), within:



**182 (07/07) UNITED ARAB EMIRATES - Dubai - Dubai International Trade Centre - Light. Landmark.**

Indian Light List Vol. D&amp;E, 2003, D: 7355

Source: BA Notice 1216/07.

(HJ/1132/54)

**Chart 20** [previous update 152/07] WGS 84 DATUM

Delete ☆ Fl(2)20M 25° 13'·6N., 55° 17'·3E.

**Chart 289** [previous update 152/07] WGS 84 DATUM

Delete ☆ Fl(2)30s20M 25° 13'·6N., 55° 17'·3E.

**Chart 8004** [previous update 118/07] WGS 84 DATUM

Substitute ☉ TRADE CENTRE for ☆ Fl(2)30s135m20M TRADE CENTRE 25° 13'·6N., 55° 17'·3E.

**BA Chart 2887(INT7232)** [previous update 099/07]

Substitute ☉ TRADE CENTRE for ☆ Fl(2)30s135m20M TRADE CENTRE 25° 13'·6N., 55° 17'·3E.

**BA Chart 2889(INT7211)** [previous update 181/07]

Substitute ☉ TRADE CENTRE for ☆ Fl(2)30s20M TRADE CENTRE 25° 13'·6N., 55° 17'·3E.

**BA Chart 3175(INT7212)** [previous update 075/07]

Substitute ☉ DUBAI INTERNATIONAL TRADE CENTRE (176) for ☆ DUBAI INTERNATIONAL TRADE CENTRE (176) Fl(2)30s135m20M 25° 13'·65N., 55° 17'·32E

**BA Chart 3176(INT7216)** [previous update 181/07]

Substitute ☉ DUBAI INTERNATIONAL TRADE CENTRE (176) for ☆ DUBAI INTERNATIONAL TRADE CENTRE (176) Fl(2)30s135m20M 25° 13'·65N., 55° 17'·32E

**BA Chart 3411(INT7218)** [previous update 468/06]

Delete ☆ Fl(2)30s135m20M 25° 13'·655N., 55° 17'·320E.

**BA Chart 3412(INT7219)** [previous update 468/06]

Substitute ☆ Fl(2)30s135m20M 25° 13'·65N., 55° 17'·32E.

**183 (07/07) INDONESIA - Sumatera - North-East Coast - Approaches to Belawan - T. Betingcamar Northwards - Nipahlarangan - Radar beacon.**

INP 31(2), 1995: 86060

Source: BA Notice 1050/07.

(HJ/928/31)

**BA Chart 1353** [previous update 083/07]

Amend radar beacon to, Racon (N) 3° 54'·2N., 98° 40'·5E.

**BA Chart 2777** [previous update 545/06]

Amend radar beacon to, Racon (N) 3° 54'·2N., 98° 40'·7E.

**BA Chart 3584(plan, Approaches to Belawan)** [previous update 545/06]

Amend radar beacon to, Racon (N) 3° 54'·23N., 98° 40'·62E.

**BA Chart 3921** [previous update 545/06]

Amend radar beacon to, Racon (N) 3° 54'·23N., 98° 40'·62E.

**184 (07/07) INDONESIA - Sumatera - East Coast - Bangka - Approaches to Pelabuhan Pangkalbalam - Buoy.**

Source: BA Notice 1226/07.

(HJ/827/73)

**BA Chart 1788 (plan D, Pelabuhan Pangkalbalam)** [previous update NE 14 Jul 05]

Insert ⚓ Fl.G.5s 2° 06'·18S., 106° 12'·04E.

**SECTION – III: TEMPORARY AND PRELIMINARY NOTICES****\*185 (T)(07/07) Disruption of Inmarsat Services.**

Source: NHO Dehradun

The Transmission of Navarea message in Indian Ocean Region may be disrupted due to LES being shifted till 10 Apr 2007. Up to date Navarea messages are available at NHO website [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in).

**\*186 (T)(07/07) INDIA – West Coast – Kochi (cochin) harbour – buoys.**Source: Hydrographic Note of INS Sutlej  
(HJ/930/93)

1. Channel marking buoy No. 7 missing from Original Charted position.
2. Mariners to exercise caution.

**Charts Affected :- 2004(INT 7359)****\*187(T)(07/07) INDIA EAST COAST– Off Chennai, Off Machillipatnam, Off Cuddalore and Off Vedarannyam – Data Buoys.**Source: NIOT Chennai  
(HJ/1029/24)

1. Following yellow coloured data buoys with radar reflector & mast carrying sensor laid in following positions with characteristics and the old buoys were retrieved.

SI No	Buoy No.	Position	Size	Characteristics	Chart affected
a)	TB08	12° 29' .43 N 85° 30' .00E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	33
b)	DS5	14° 00' .71N 83° 15' .91E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	31-32(INT 754)-33
c)	OB08	11° 30' .78N 81° 28' .60E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	32(INT 754)-33
d)	MB9	09° 59' .20N 86° 59' .16E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	33

2. All vessels operating in vicinity are to maintain a clearance of 1000 meters off the buoys.
3. **Cancel former INM 408(T)/06; Buoy DS3, OB 08 of 343(T)/05, Buoy SW2 of 180(T)/06 and Buoy TB08 of 50(T)/07.**

**\*188(T) (07/07) BAY OF BENGAL- Coast of Burma– Combermere Bay to Cheduba Strait – Kyaukpyu harbour – Met Ocean Observations.**Source: Navarea VIII 140/07.  
(HJ/1128/07)

1. Met Ocean Survey Instruments deployed in following positions:

S1	20° 14'.93N	092° 58'.70E
S2	20° 10'.65N	092° 55'.60E
S3	20° 06'.32N	092° 54'.53E
S4	20° 01'.30N	092° 50'.32E
S5	19° 51'.27N	092° 41'.88E

2. Unauthorized anchoring, fishing, trawling and navigation prohibited around 01NM of above mentioned positions.
3. Cancel this message on 09 Feb 2008.

**Charts Affected 321 – 322 – 371 – 3020**

**\*189(T) (07/07) BAY OF BENGAL-Coast of Burma– Approaches to Kaladan River – Met Ocean Observations.**

Source: Navarea VIII 141/07.

(HJ/1028/96)

## 1. Met Ocean Survey Instruments deployed In following positions:

M1	19° 23'.05N	093° 38'.28E
M2	19° 26'.83N	093° 34'.83E
M3	19° 27'.12N	093° 30'.75E
M4	19° 30'.15N	093° 17'.57E
M5	19° 35'.50N	092° 56'.35E
MET-I	19° 22'.27N	093° 40'.57E
J-I	19° 22'.38N	093° 40'.78E

2. Unauthorized anchoring, fishing, trawling and navigation prohibited around 01NM of above mentioned positions.

3. Cancel this message on 09 Feb 2008.

**Charts Affected 371 – 320 – 321 – 3019– 3022****\*190(T) (07/07) BAY OF BENGAL and Andaman Sea – Great Nicobar Island – South bay and Approaches - Racon.**

Source: DGLL letter and Navarea VIII 474/06.

(HJ/928/66)

1. Indira Point light house in position 06° 45'.19N., 093° 49'.60E, Racon (G) is out of order.

**Charts Affected 471 – 472(INT 7032) – 409 – 4007.****\*191 (T) (07/07) Temporary and Preliminary Notices (in force as on 01 Apr 2007)****INM \*051(T) (01/07) is cancelled.****1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN**

Notice No.	Charts Affected	Description
207 (T)/03	B.A. 671-2968 (INT7000)	SOMALIA – Muqdisho (Moghadishu) – Port development. Pilot boarding place.
172 (P)/04	B.A. 1358 -3933 - 3947-4041	SINGAPORE STRAIT – Malacca Strait – Indonesia – Pulau Batam. North Coast to Sumatra, East Coast, Dumai – Submarine Cable.
271 (P)/04	B.A. 724	INDIAN OCEAN – Seychelles – La Digue – La Passe – Breakwater.
448(T)/04	B.A. 1214	KUWAIT – Mina' ad Dawhah – Light.
481(P)/04	B.A. 3043	EGYPT – Red Sea Coast – Hurghada North-north-eastwards – Depths.
505(P)/04	B.A. 2886 3790	ARABIA – Bahrain Southwards – Dawhat Salwa – Beacons. Buoyage. Depths. Lights.
506(P)/04	20 8004 B.A. 3599	IRAN – Khuran (Clarence Strait) – Jetty. Buoyage. Depths. Drying height. Pilot boarding place. Lights. Moorings buoys.
398(P)/05	B.A. 11 2882 (INT 7264) 2884 (INT 7278)	IRAN–Jazireh–ye-Kharak Anchorage areas.
465(T)/05	20 288 289 B.A. 2442 2443 2444 2523 2886 2887 2889 (INT 7211) 3176 3177 3791 3950	QATAR - United Arab Emirates - Submarine pipelines.
466(P)/05	B.A. 3735 (INT 7259) 3736 (INT 7258) 3737 (INT 7255) 3738 (INT 7254) 3790 (INT 7252)	BAHRAIN – Mina' Salman and Approaches - Al Muharraq Westwards - Depths. Anchorage area. Breakwater. Obstruction. Wreck. Reclamation areas. Light.
516 (P) /05	BA 2375 3043	EGYPT - Red Sea Coast - Safaga - Leading line.Lights. Buoyage. Light-beacons.
565 (P)/05	BA 11	IRAN - Jazireh-ye Khark and Jazireh-ye Kharku - Depths.
592 (P)/05	BA 262 (INT 7115)	DJIBOUTI-Approaches to the Port of Djibouti –Buoyage .Jetty. Pilot boarding place.
55 (P)/06	BA 15 16	SAUDI ARABIA - Red Sea Coast - Jizan - Dredged areas. Channel. Reclamation areas. Harbour development.
56 (P)/06	BA 3782 3787 (INT 7245) 3950	QATAR - Approaches to Doha (Ad Dawhah) - Approaches to Mesaieed (Musay'id or Umm Said) - Dredging areas. Buoyage.
135 (P)/06	B.A. 2882(INT 7264)-2883 - 2886 -3719 -3776 -3777 - 3788 -3790 (INT 7252)-3812	SAUDI ARABIA - East Coast - - Buoyage

227 (P)/06	BA. 12	SAUDI ARABIA -Red Sea Coast -Port of Duba - Dredging area.Works.
254 (P)/06	BA. 3713 3715	UNITED ARAB EMIRATES - Abu Dhabi (Abu Zaby) - Khawr al Bighal, Approaches to Umm an Nar - Khawr al Baṭīn - Buoyage. Lights. Leading line. Depth information.
292 (P)/06	BA. 3782 3787 (INT 7245)	QATAR - Approaches to Doha (Ad Dawhah) - Depths.
293 (P)/06	2444 3179 3413	UNITED ARAB EMIRATES - Jazirat Das South and Eastwards - Tanker mooring buoy. Restricted area. Submarine pipeline. Submarine cables. Reef. Pilot boarding place. Buoy. Fouls.
327 (P)/06	BA. 3043	EGYPT - Red Sea Coast - Approaches to Berenice - Jetty. Depths. Rocks. Buoyage.
387 (P)/06	B.A. 644	MOZAMBIQUE - Porto de Maputo and Approaches - Depths.
409 (P)/06	B.A. 81 82	SUDAN - Sawakin - Light-beacons. Berths.
444 (T)/06	B.A. 563 2741 2756 2757	INDIAN OCEAN - Comores - Ile de Mayotte - Fish havens.
445 (P)/06	20 21 286 291 2088 2094 2095 2096 7703 (INT703) 7705 (INT 705) 8009 8010 B.A.12 15 81 82 143 (INT 7005) 157 (INT 7006) 158 (INT 7008) 159(INT 7010) 164 (INT 7124) 333 452 (INT 7117) 453 (INT 7116) 542 1925 1926 2133 (INT 7139) 2373 2374 2375 2599 2658 2659 2851 3661 (INT 7162) 3785.	ARABIAN SEA - RED SEA - Submarine cables.
446 (P)/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) B.A. 2851	ARABIAN SEA - Seeb to Mumbai (Bombay) - Submarine cable.
513 (P) /06	B.A. 3520 (INT 7200) – 3526	GULF OF OMAN - United Arab Emirates - Khawr Fakkan - Works. Breakwater. Buoyage. Anchorage areas
550 (T) /06	B.A. 1214 -1223 -1235 (INT 7289) -2882 (INT 7264) - 2884 (INT 7278) -3773	KUWAIT - - Measuring instruments. Buoyage
576 (T) /06	B.A. 3171 -3174 -3411 (INT 7218) -3713-3715-3951	UNITED ARAB EMIRATES - North and East Coasts - Data buoys
577 (P) /06	20 B.A.1224 -2858 -2882 (INT 7264) -2883 -2886 -3718 - 3719 -3773 -3774 -3775 - 3776 -3777 -3788 -3790 (INT 7252) -3812	SAUDI ARABIA - East Coast - - Buoyage. Restricted areas
578 (T) /06	B.A.1223 -3773	KUWAIT - Mina -Ash Shu'aybah South-eastwards and Mi-na -Al Ah,madi-North-eastwards - Dredging area. Mooring buoys. Works. Pier. Submarine pipelines
597 (P) /06	20 B.A. 2523 (INT 7250) - 2886 - 3735 (INT 7259) - 3737 (INT 7255) - 3738 (INT 7254) -3788 – 3790 (INT 7252) -3791 -3950	QATAR - Az Za'ayin to BAHRAIN, Al Manama - Submarine cable
598 (P) /06	20 B.A. 2882 (INT 7264) -2883 -2886 -3773 -3777 -3788 - 3790 (INT 7252) -3812	SAUDI ARABIA - East Coast - Al Khubar to Al Kuwayt, KUWAIT - Submarine cable
599 (P) /06	20 B.A. 2882 (INT 7264) - 2883 - 2886 - 3735 (INT 7259) - 3737 (INT 7255) - 3738 (INT 7254) -3777 -3788 -3790 (INT 7252) -3812	BAHRAIN - Al Manama to SAUDI ARABIA, Al Khubar - Submarine cable

600 (P) /06	20 – 8004 B.A. 1214 -2441 -2442 -2443 -2523 (INT 7250) -2882 (INT 7264) -2883 -2886 - 2889 (INT 7211) -3172 - 3173 -3599 -3773	KUWAIT -Al Kuwayt to Bandar 'Abbas, IRAN - Submarine cable
601 (P) /06	20 – 8004 B.A. 2442 -2443 -2886 -2889 (INT 7211) -3174 -3950	UNITED ARAB EMIRATES - QATAR - Submarine cables
070(P) /07	B.A. 2523 (INT 7250) - 3789 - 3791 - 3950	QATAR – Ra's Laffan - Works. Berths. Buoyage. Dredged areas. Reclamation areas.
107(P) /07	B.A. 2895 – 2896	OMAN-South East Coast-Port Salalah(Mina-Raysut)-Breakwaters. Buoyage.
108(P) /07	B.A. 2887 (INT 7232) - 2889 (INT 7211) -3175 (INT 7212) -3176 (INT 7216) - 3411(INT 7218)- 3412 (INT 7219) -3739 (INT 7220)	UNITED ARAB EMIRATES - Approaches to Dubai (Dubayy) - Approaches to Jebel Ali (Mina Jabal Ali) - Reclamation areas. Buoyage. Works. Restricted areas. Anchorage areas. Breakwaters.
<b>2. INDIA WEST COAST - INDIAN OCEAN</b>		
110(T)/92	2018 2080 203	INDIA –West Coast –Approaches to Kandla Light buoy amended.
302(T)/97	2001 2015 2016	INDIA –West Coast –Bombay Harbour – Cross Island – Mooring buoy
52(T)/98	2016 211	INDIA –West Coast –Bombay Harbour: Buoy
75(T)/98	256	INDIA –West Coast –Angria bank: Buoy
354(T)/98	2016 211	INDIA –West Coast –Bombay Harbour – Buoy
260(T)/99	255	INDIA West Coast – Approaches to Bombay – Bombay high, Oilfield development area – Platform
131(T)/00	2016 211 255	INDIA – West Coast – Bombay Harbour – Wreck
201(T)/00	2033 2060 2080 203	INDIA – West Coast – Gulf of Kachchh – Munde Reef – Lighterage area; Chemical and Gas anchorage area
270(P)/00	2008	INDIA – West Coast – Karwar Harbour – Works
400(T)/00	211 255	INDIA – West Coast – Off Bombay Harbour – Wreck
424(T)/00	211 255	INDIA – West Coast –Approaches to Bombay Harbour – Wreck
195(T)/01	2013 2031	INDIA – West Coast – Gulf of Kuchchh – Okha Harbour – Buoy
330(P)/01	2076 2016	INDIA – West Coast – Mumbai Harbour – Jawahar Lal Nehru Port – Port Development
407(T)/01	2100 2056 2081	INDIA – West Coast – Pipavav Port – Prohibited Area, Leading Transit
102(P)/02	2044 2101	INDIA – West Coast – Approaches to Hazira – Submarine pipeline
294(P)/02	2008 2009 215	INDIA – West Coast – Off Karwar – Prohibited Area
337(T)/02	2045 (INT 7360) 2004 2029 (INT 7358) 220	INDIA – West Coast – Port of Cochin – Channel depths, buoys
372(P)/02	224 317 262	INDIA – South Coast – North of Gulf of Mannar – Depths
446 (T)/02	2025 217 258 (INT 7348)	INDIA – West Coast – Approaches to Mangalore Harbour– Sunken Pontoon
484 (T)/02	2040 204 205 252 (INT 7325)	INDIA – West Coast – Porbandar Harbour – Buoy
161 (T)/03	2076 2015 (INT7337) 2016 211	INDIA – West Coast – Approaches to Mumbai Harbour – Wave Rider buoys
176 (P)/03	2076 2016	INDIA – West Coast – Jawaharlal Nehru Port – Jetty
197 (T)/03	211 255 292 21	INDIA West Coast – Approaches to Mumbai – Neelam Heera and Ratna Oilfield area
209 (T)/03	2040	INDIA – West Coast – Porbandar Anchorages – Depths
211 (T)/03	211 255 (INT 7334) 292 2016 2076	INDIA – West Coast – Mumbai Harbour – Buoy
220 (T)/03	7702 (INT 702)	INDIA – Indian Ocean – Chagos Archipelago to Madagasikara – La Reunion to Mauritius – Submarine cable
233 (T)/03	21 292 7705 (INT 705)	INDIA – West Coast – Arabian Sea – Data buoy
270 (T)/03	2082 2039	INDIA – West Coast – Dahej Harbour – Breakwater
356 (T)/03	21 292	INDIA – West Coast – Dwaraka to Bombay – Buoy.
413 (P)/03	268 (INT 7353) 273 2007	INDIA – Lakshadweep – Androth Island – Breakwater. Beacon.
92 (T)/04	208 209 2019 2044	INDIA – West Coast – Approaches to Magdalla – Submarine Pipeline.
93 (T)/04	22 273	INDIA – West Coast – Arabian Sea – Off Minicoy Island – Buoy.

108 (T)/04	203 (INT 7319) 271 2031 2068 7705 (INT 705)	INDIA – West Coast – Gulf of Kachchh – Buoy.
121 (P)/04	208 209 254 2019 2044 2101	INDIA – West Coast – Approaches to Magdalla – Drilling.
137 (T)/04	21 203 2068 7705 (INT 705)	INDIA – West Coast – Gulf of Kachchh – Ballast Split.
195 (T)/04	292 (INT 7021)	ARABIAN SEA – Muscat to Bombay – Data Buoy.
234 (T)/04	2015 2016 211 255 292	INDIA – West Coast – Port of Mumbai – Prongs Reef – Buoys.
302 (T)/04	2013 2031 2055 2068	INDIA – West Coast – Gulf of Kachchh – Port of Okha – Buoy.
304 (T)/04	206	INDIA – West Coast – Veraval to Diu Head – Off Mul Dwaraka – Danger to Navigation.
407(T)/04	211 255 (INT 7334) 292 (INT 7021) 2016	INDIA – West Coast – Approaches to Mumbai – Restricted area.
449(T)/04	B.A. 1495 (INT 7736) 1497 (INT 7735)	INDIAN OCEAN – La Reunion – Approaches to La Reunion – Fish havens.
484(T)/04	203 (INT 7319) 2033 2083	INDIA – West Coast – Gulf of Kachchh – Sikka Creek – Wreck.
485(T)/04	211 255 (INT 7334)	INDIA – West Coast – Off Mumbai – Submarine Pipeline.
507(P)/04	2002 (INT 7351) 2052 (INT 7350)	INDIA – West Coast – Port of New Mangalore and Mangalore – Depth.
50(P)/05	2018 (INT 7321) 2059 (INT 7322) 2080	INDIA – West Coast – Kandla – Sogal Channel – Buoy. Jetty.
51(P)/05	211 255 (INT 7334)	INDIA – West coast – Approaches to Mumbai – Buoy.
85(P)/05	2021 2068	INDIA – West coast – Gulf of Kachchh – Mundra Port - Submarine pipeline.
86(T)/05	208 2019 2044 2101	INDIA – West Coast – Magdalla Port – Buoy.
102(P)/05	2021 2068 2080	INDIA – West Coast – Gulf of Kachchh – Mundra Port – Work.
105(T)/05	4011	INDIA – Andaman Sea – Nicobar Islands – Approaches to East Bay – Jetty.
106(T)/05	4005 4006 4008 4012 4016	INDIA – Andaman Sea – Andaman and Nicobar Islands – Beacon. Buoy.
129(P)/05	209 2019 2068 2101	INDIA – West Coast – Approaches to Hahira – Magdalla Port and approaches – Buoy. Light. Jetty. Mooring.
157(P)/05	209 2019 2068 2101	INDIA – West Coast – Approaches to Hazira – Hazira Port – Breakwater, Channel, Basin and Berth Pocket
277(T)/05	211 255 293 2015 2016.	INDIA – West Coast – Mumbai Docks - Buoy.
302(T)/05	2031	INDIA – West Coast – Gulf of Kachchh – Okha Harbour – Buoy.
343(T)/05	31 32 (INT 754) 33 313 315 356 3001 (INT 7402) 3028	INDIA – West and East Coast – Off Ratnagiri, Chennai, Ennore, Ramyapatnam, Machalipatnam, Paradip, Cuddalore, Mahabalipuram, Vishakhapatnam – Data Buoys.
365(T)/05	402 403 473 (INT 7031) 4003 4008	INDIA – Andaman Islands – Mayabandar and Port Cornwallis – Depths.
399(T)/05	203 2013 2031 2068.	INDIA – West Coast – Gulf of Kachchh – Port of Okha – Buoy.
427(T)/05	211 255 2001 2015 (INT 7337) 2016 (INT 7336)	INDIA – West Coast – Mumbai Docks – Salvage operation.
541 (P)/05	BA 722 (INT 7742)	INDIAN OCEAN - Seychelles - Mahé - Victoria and approaches - Dredging areas. Works.
594 (T) /05	402 472 (INT 7032) 473 (INT 7031)	INDIA – WEST COAST – Andaman Sea – Data Buoy.
57 (P) /06	269	INDIAN OCEAN - British Indian Ocean Territory - Chagos Archipelago - Depths.
72 (P)/06	2003 2053.	INDIA – WEST COAST – Sacrifice Rock to Beypore – Sea Wall .
230 (P)/06	268 (INT 7353) 2006 2007 2023 2047.	INDIA – Lakshdweep Islands – FAD.
231 (P)/06	203 2060 2068.	INDIA – West Coast – Pathfinder Inlets – Submarine Pipeline.
232 (P)/06	22 (INT 752) 293 (INT 7022) 257 (INT 7343) 214 2022 (INT 7345) 7706 (INT 706).	INDIA – West Coast – Approaches to Mormugao - Wreck
256 (P)/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.
325 (P)/06	257 (INT 7343) 216 215 2008	INDIA – West Coast – Karwar harbour and approaches – wreck.
386 (P)/06	292 (INT 7021) 254 (INT 7331) 209	INDIA WEST COAST – Hazira to Umargam – Eastern Bank - Wreck
406 (T)/06	203 (INT 7319) -2060 - 2068.	INDIA – West Coast – Gulf of Kachchh – Lighthouse operation.
407 (P)/06	273 268 (INT 7353).	INDIAN OCEAN – Central Lakshadweep – Chenyakara Island – Wreck.

424 (P)/06	252(INT 7325) 204 205 2040.	INDIA – West Coast – Porbandar Anchorage – Wreck.
425 (P)/06	255 (INT 7334).	INDIA – West Coast – Approaches to Mumbai – Bombay High Oilfield Development Area –Wreck.
441 (P)/06	213 256(INT 7340)	INDIA – West Coast – Ratnagiri to Vengurla – Wreck.
496 (T)/06	255 (INT 7334) – 211 – 2016 (INT 7336)	INDIA – West Coast – Inner approaches to Mumbai – Obstruction
510 (T)/06	2010	INDIA – West Coast – Karwar harbour – Transits.
511 (T)/06	2012	INDIA – West Coast – Alleppey Anchorage – Jetty
579 (T)/06	23-7707 (INT 707)	INDIAN OCEAN - Data buoys
595 (T)/06	255 (INT 7334) - 293 (INT 7022) - 292 (INT 7021)	INDIA – West Coast – Approaches to Mumbai – Wreck
596 (T)/06	2011 - 212	INDIA – West Coast –Port Dabhol – Breakwater, Buoy, Dolphin
50 (T)/07	22(INT 752)- 23-32(INT 754) – 33-214 –217 – 224- 258 (INT 7348) – 262-268 (INT 7353) - 272 -273- 293 (INT 7022)- 2002(INT 7351)- 2020 -2022(INT 7345) - 2052(INT 7350)- 2075(INT 7366)- 2078 (INT 7346)-7705 (INT 705) - 7706(INT 706)	INDIA WEST COAST– ARABIAN SEA –New Mangalore Port, Off Mormugao Port – Data Buoys
090(T) /07	255(INT 7334) – 211 – 2016(INT 7336) – 2015 (INT 7337)	INDIA – West Coast –Port of Mumbai –Light.
105(T) /07	204 – 205 – 252 (INT 7325) – 2040	INDIA – West Coast –Porbandar Anchorage – Wreck.
142(P) /07	260(INT 7362) – 259(INT 7356) – 220- 2029(INT 7358) – 2004(INT 7359)	INDIA – West Coast – Kochi(Cochin) Harbour-SPM;Pipeline
167(T) /07	2016(INT 7336)-2015(INT 7337) - 2076-2001	INDIA – West Coast – Port of Mumbai – Buoys.
185(T) /07	----	Disruption of Inmarsat Services.
186(T) /07	2004(INT 7359)	INDIA – West Coast – Kochi (cochin) harbour – buoys.

### 3. INDIA EAST COAST - ANDAMAN NICOBAR, SRI LANKA

247(P)/95	4030 405 473	INDIA –Andaman Islands – Depth; Rocks
163(T)/99	41 451	INDIA – Andaman Sea – Gulf of Martaban – Oil Development Area
57(T)/00	2075	INDIA –Southeast Coast – Tuticorin Harbour – Buoy
81(T)/00	452 451 411 410 41	INDIA–Andaman Sea – Gulf of Martaban – Wreck
82(T)/01	2075	INDIA – Southeast Coast – Tuticorin Harbour – Buoy
318(T)/01	315 316 317 358	INDIA – East Coast – Palk Strait – Wreck
122(T)/02	2075 224 262	INDIA – South East Coast – Tuticorin Harbour – OTEC Plant
209(T)/02	3004 (INT 7403) 3001	INDIA – East Coast – Chennai harbour – Madhusudan Dry Dock– Berth
63 (T)/03	4001 4014 403	INDIA – Bay of Bengal – Middle Andaman – Rangat Bay – Beacon
64 (T)/03	4004 4013 4015 404 409	INDIA – Andaman Sea – Campbell bay and Havelock Island – Lights, dolphins
162 (T)/03	2075 (INT 7366) 2037 263 262 224 32	INDIA – Southeast Coast – Tuticorin Harbour – Damaged Barge Shiva-2
252 (P)/03	3008 3026 355 (INT 7405) 356 31 32 (INT 754)	INDIA – East Coast – Vadarevu Anchorage – Light
269 (P)/03	4012 4006 4016	INDIA – South Andaman Islands – Port Blair – Jetty
343 (P)/03	4032	INDIA – Nicobar Islands – Sawai Bay and Malacca Anchorage – Breakwater, Beacon.
380 (T)/03	315 316 358	INDIA AND SRILANKA – Palk Strait – Wreck.
63 (T)/04	409 4035	INDIA – Andaman Sea – Nicobar Islands – Campbell Bay – Danger to navigation.
141 (T)/04	3013	INDIA – East Coast – Hugli River, Haldia to Kukrahati Reach – Buoy.
175 (T)/04	32 (INT 754)	INDIA – SRILANKA – Palk Bay Western Portion – Wreck.

193 (T)/04	225 2064	SRILANKA – West Coast – Colombo, Weligama Bay and Beruwala Point Westwards – Depths. Wreck. Rocks. Harbour limit. Port development.
203 (T)/04	355 (INT 7405) 356	INDIA – East Coast – Bay of Bengal – Moorings.
287 (P)/04	3010	INDIA – East Coast – Paradip Port – Breakwater.
323 (T)/04	3028	INDIA – East Coast – Ports of Ennore – Jetty.
355 (P)/04	308 354 (INT 7408) 3002 (INT 7410) 3012 (INT 7411)	INDIA – East Coast – Vishakhapatnam Harbour – Berth.
387(T)/04	354 (INT 7408) 355 (INT 7405) 3009	INDIA – East Coast – Kakinada Port – Light.
389(T)/04	4013 4016	INDIA – Andaman Sea – Neill Island – Jetty.
390(T)/04	409 471 472 (INT 7032) 4036	INDIA-Andaman Sea -Nicobar Islands -Approaches to Pulo Millow-Light.
391(T)/04	409 472 (INT 7032) 4034	INDIA – Andaman Sea – Little Nicobar Islands – Kabra Island – Light.
52(T)/05	All charts of A & Is, Coast of A.P. ,Tamil Nadu, Kerala, Maldives & Srinlanka	INDIAN OCEAN – Bay of Bengal – Changes in bathymetry and coastline
66(T)/05	355 (INT 7405)	INDIA – East Coast – Sacramento Shaol – Depths.
88(T)/05	4011 4017	INDIA -Nicobar Islands-Katchall Island –Approaches toEast Bay–Beacon.
104(T)/05	301 3011	INDIA -East Coast–Hugli River–Gasper Channel -Dredging area. Dumpin
133(T)/05	308 354 (INT 7410) 3012 (INT 7411)	INDIA – East Coast – Vishakapatnam Harbour – Wreck.
134(T)/05	23 32 (INT 754) 33 264 359	SRILANKA– South Coast – Great Basses Reef and Little Basses Reef-Lights.
135(T)/05	4010	INDIA – Andaman Sea – Little Andaman Islands-Hut Bay-Coast line.Jetty.Light.
159(T)/05	301 351 7706 (INT 706)	INDIA – East Coast – Approaches to Sandheads – Wreck.
160(T)/05	409 471 472 (INT 7032) 4035	INDIA – Andaman Sea – Nicobar Island – Campbell Bay – Rock.
228(T)/05	308 3002 (INT 7410) 3012 (INT 7411)	INDIA – East Coast – Visakhapatnam Harbour – Buoys.
276(T)/05	4012.	INDIA – Andaman Island – Inner Harbour – Port Blair – Beacon.
321(T)/05	317 358 (INT 7394).	INDIA AND SRILANKA – PalkBay – Wreck.
364(P)/05	4019 B.A. Chart 833	MYANMAR - Rangoon River - Wreck. Depths. Port developments. Lights. Coastline. Bridge. Drying contour.
467(T)/05	22 23 32 263 (INT 7383)	India –Cape Comorin to Colombo – Buoy.
468(T)/05	317 358 (INT 7394) 3016	India –East Coast – Approaches to Mandapam – Landmark.
567 (P) /05	357 (INT 7397) 3007	INDIA – East Coast – Point Calimere to Chennai (Madras) – Jetty.
620(T)/05	308 3002 (INT 7410) 3012 (INT 7411)	INDIA – East Coast – Vishakhapatnam Harbour –Wreck.
*59 (T) /06	22 23 32 33 263 41 407 471 472	INDIA – West and East coast – Andaman Sea and Gulf of Mannar – data buoy .
75 (T)/06	22 32(INT 754) 214 217 224 257 258 262 268 272 273 2002 2020 2022 2052 2075 (INT 7366) 2078	INDIA – East & West Coast – Tuticorin, Off Kavarati Island, Lakshadweep Sea, Port of Mormugoa and Port of New Mangalore – Data Buoys.
137 (T)/06	33 356 (INT 7400) 357 (INT 7397) 313 3001 (INT 7402) 3004 (INT 7403)	INDIA -East Coast – Madras (Chennai) Harbour – Data buoy.
180 (T) /06	214 257 293 313 356(INT 7400) 2020 2022 2078 (INT 7346) 3001	INDIA – East & West Coast – Ennore Port & Off Mormugao Port – Data Buoy.
258 (T)/06	21 32 313 356 357 3001 7703 (INT 703) 7706(INT 706).	INDIA – East Coast – Approaches to Chennai – Data buoys
299 (P)/06	315 316 358	INDIA AND SRILANKA – Palk Strait –Wreck
329 (P)/06	225 2067	SRI LANKA - South Coast - Galle Harbour and Approaches - Maintained channels. Depths. Buoyage. Leading lights.
354 (T)/06	356(INT7400) 313	INDIA – East Coast – Mamallapuram (Mahabalipuram) to Point Pudi - Buoy
427 (P)/06	31.	INDIAN OCEAN – Bay of Bengal – Northern Position (Krishnapatnam to Bassein River) – Data Buoy.
428 (P)/06	351 301.	INDIA – East Coast – Ocean – Approaches to Hugli River – Obstruction
429 (P)/06	473 (INT 7031) 472(INT 7032) 406.	ANDAMAN SEA – India – Andaman Islands – Little Andaman Island to Ten Degree Channel – Wreck.
431 (T)/06	B.A. 817 (INT 7430)	BURMA - Sittwe South-westwards - Survey stations.



442 (P)/06	3010 (INT 7418) (Plan).	INDIA – East Coast – Paradip Port – Work in Progress.
443 (P)/06	4036 409	ANDAMAN SEA - India-Nicobar Islands -Approaches to Pulo Millow - Off Meroe Island -Wreck.
475 (T) /06	4005	ANDAMAN SEA – INDIA – Nicobar Islands –Nancowary harbour and approaches – Buoy.
512 (T) /06	356 (INT 7400) – 313 – 3001 (INT 7402)	INDIA – East Coast – Approaches to Chennai (Madras) – Data Buoy
548 (T) /06	3031.	INDIA – East Coast – Krishnapatnam Anchorage – Transits mark.
069(T) /07	32(INT 754)– 315 – 316 – 317 – 358 (INT 7394)	INDIA – East Coast –Bay of Bengal – Dredging operation.
091(T) /07	31 – 371 – 321 – 322	BAY OF BENGAL – Coast of Burma –Mayu River to Kyaukpyu – Off Kyaukpyu harbour – Met observation.
106(T) /07	358(INT 7394) – 317	INDIA – SRILANKA – Palk Bay – Western Portion – Obstructions
143(P) /07	262 – 358 (INT 7394) - 317	INDIA and SRILANKA – Palk Bay – Western portion – Devils Point – Light House.
168(P) /07	3002(INT 7410)	INDIA – East Coast – Approaches to Visakhapatnam- Gangavaram Port – work in progress
169(T) /07	3012(INT 7411)	INDIA – East Coast –Vishakhapatnam Harbour – Mooring Buoy.
170(P) /07	41- 405 – 473(INT 7031) - 4030 – 7706 (INT 706)	INDIA – Andaman Sea- Manners Strait And Duncan Passage- Off Cinque Island – Wrecks.
171(T) /07	41- 7071(INT 71) – 7073 (INT 73) – 7706 (INT 706)	INDIA – Andaman Sea- Drilling Operations.
187(T) /07	31-32(INT 754)-33	INDIA EAST COAST– Off Chennai, Off Machillipatnam, Off Cuddalore and Off Vedarannyam – Data Buoys.
188(T) /07	321 – 322 – 371 – 3020	BAY OF BENGAL- Coast of Burma– Combermere Bay to Cheduba Strait – Kyaukpyu harbour – Met Observations.
189(T) /07	371 – 320 – 321 – 3019– 3022	BAY OF BENGAL- Coast of Burma– Approaches to Kaladan River – Met Observations.
190(T) /07	471 – 472(INT 7032) – 409 – 4077.	BAY OF BENGAL and Andaman Sea – Great Nicobar Island – South bay and Approaches -Racon.

#### 4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA

345 (T)/03	B.A. 1311 1312 2403 2414 3543	MALAYSIA – Peninsular East Coast – Singapore Strait, Eastern Approaches –North Channel – Ramunia Shoals – Dredging area.
382 (T)/03	B.A. 4038 4034 4044	SINGAPORE – West Coast and Pulau Ubin, North Coast – Works.
383 (T)/03	33 41 B.A. 400 1353 2760 2777 2917 3574 3919 3920	INDONESIA –Sumatera – North and Northwest Coasts – Restricted area.
276 (P)/04	B.A. 3833 4030 4031 4038 4039 4040	SINGAPORE STRAIT – Singapore – Raffles Shoal – Depths. Works.
397(P)/05	B.A. 2056 3729	INDONESIA – Jawa – North Coast – Approaches to Tanjungpriok – Submarine pipeline. Submarine cable. Light-beacons.
426(P)/05	B.A. 2965	INDONESIA –Sumatera – West Coast – U. Jungutbatupati to U. Nibung – Depths. Jetty. Lights. Piers. Reclamation area. Beacons. Restricted area.
463(P)/05	B.A. 932 933	INDONESIA - Jawa -Tanjungpriok and Approaches - Coastline. Depths. Light-beacon. Buoyage. Platform. Wrecks. Maritime limit.
540 (P)/05	7708 (INT 708)	INDIAN OCEAN - Cocos Islands - Light-beacon.
619 (P) /05	B.A. 3949	INDONESIA - Sumatera - Selat Riau Southwards - Submarine cable.
178 (P)/06	BA 4044	JOHOR STRAIT - Johor Port - Dredged areas. Coastline. Jetties.
179 (P) /06	BA 1141 3946 3947	MALAYSIA - Peninsular Malaysia, West Coast -Pelabuhan Sungai Udang and Approaches -Maintained channel. Anchorage areas. Berths.
071(P) /07	433-4025	THAILAND - West Coast - Ao Krabi - Approaches to Krabi and Approaches to Phuket - Leading lines. Buoyage. Light-beacons.
144(P) /07	B.A. 3833	SINGAPORE STRAIT - Western Part - The Brothers to Batuampar Northwards - Submarine cables.
145(P) /07	B.A. 3947	MALACCA STRAIT - T. Medang to Singapore Strait - Submarine cables.
146(P) /07	41 – 432 BA 3941	THAILAND - West Coast - Ko Surin South-westwards to Ko Phuket Westwards - Firing practice areas. Military practice area.

**Cancelled Notices**

<b>Area</b>	<b>Notice No.</b>	<b>Ref. No.</b>
2	162(P)/99	174 /07
2	224(T)/03	191(T)/07 & 308/03
2	379(T)/03	191(T)/07
2	062(T)/04	191(T)/07
2	198(T)/04	191(T)/07
2	235(T)/04	191(T)/07
2	274(P)/04	174 /07
2	385(T)/04	191(T)/07
2	452(T)/04	191(T)/07
3	087(P)/05	191(T)/07
2	103(P)/05	191(T)/07
2	130(T)/05	173 /07
2	179(P)/05	191(T)/07
2	304(P)/05	191(T)/07
2	322(P)/05	191(T)/07
2	542(P)/05	191(T)/07
3	229(P)/06	191(T)/07
2	297(P)/06	191(T)/07
1	328(P)/06	070(P)/07
2	353(T)/06	109 /07
1	355(P)/06	108(P)/07
1	388(P)/06	107(P)/07
3	408(T)/06	187(T)/07
1	410(P)/06	061 /07
2	426(P)/06	191(T)/07
1	602(T)/06	191(T)/07
2	049(T)/07	109 /07

## SECTION – IV: MARINE INFORMATION

**The diligent reporting of dangers to Navigation by the following ships is worthy of appreciation.**

**Indian Naval/Coastguard ships.** Bedi, Sandhayak, Nirdeshak, Sutlej, Darshak,, Nirupak., CGS Kittur Chennamma

### Crossing of Vessels through Pamban Channel

Source: Tamilnadu Maritime Board

The southern railway had informed that the lifting of Scherzer rolling lift span of the railway bridge in the Pamban Channel will be suspended for undertaking gauge conversion of the Manamadurai – Rameshwaram section of the railway line from 15 Nov 2006 to Mar 2007. The ships, crafts etc will not be able to pass through the navigational span till completion. Further position shall be intimated depending upon the progress.

**Charts affected: 3016 – 317 – 358 (INT 7394).**

### 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><b>C-Map India Pvt. Ltd.</b> 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91 22 65103668 Fax: 91 22 67939504 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a></p>	<p><b>C-Map Norway AS</b> Hovlandsveien 52, P.O. 212, N-4370, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: <a href="mailto:market@c-map.no">market@c-map.no</a></p>
<p><b>C-Map US Commercial</b> 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: <a href="mailto:info@c-map.com">info@c-map.com</a></p>	<p><b>C-Map (UK) Ltd.</b> Systems House Delta Business Park Salterns Lane, Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: <a href="mailto:info@c-map.co.uk">info@c-map.co.uk</a></p>
<p><b>Mari-Sys Pte Ltd.</b> 20 Ayer Rajah Crescent, #08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: <a href="mailto:info@mari-sys.com">info@mari-sys.com</a></p>	

### Tsunami Notices

**52 (T) (01/05) INDIAN OCEAN, BAY OF BENGAL – Changes in bathymetry and Coastline.**

Source: NHO, Dehradun

(HJ/NM/Gen)

Major changes likely to have occurred in topography of coastline and bathymetry in Andaman & Nicobar islands, coasts of Andhra Pradesh, Tamilnadu, Kerala, Maldives and Srilanka as a consequence of recent earthquakes followed by Tsunami waves in South Asia. Number of uncharted wrecks/obstructions may also be encountered. Mariners are advised to exercise utmost caution and contact local authorities while approaching these areas.

**Charts affected: All Indian charts of Andaman & Nicobar Islands, coast of Andhra Pradesh, Tamilnadu, Kerala, Maldives and Srilanka**

**\*88 (T) (03/05) INDIA – Nicobar Islands – Katchall Island – Approaches to East Bay – Beacon.**

Source: PMB A &amp; N Islands

(HJ/928/76)

1. It is informed that all the three sets of beacons/buoys in East Bay including the jetty and approach has been totally damaged and sunk.
2. Mariners are advised to exercise caution and contact local port authorities for the latest information.
3. Former INM 339 (P)/04 is cancelled.

**Charts affected: 4011 - 4017****\*105 (T) (03/05) INDIA – Andaman Sea – Nicobar Islands – Approaches to East Bay – Jetty..**

Source: Hydrographic Note, INS Sandhayak

(HJ/928/76)

It is reported that East Bay Jetty at approx position 07° 58'.68N., 93° 23'.73E. is destroyed due to Tsunami disaster.

**Charts affected: 4011****\*106 (T) (03/05) INDIA – Andaman Sea – Andaman and Nicobar Islands – Beacon. Buoy.**

Source: Port Management Board, Andaman and Nicobar &amp; Hydrographic Note, INS Sandhayak

(HJ/928/86)

1. Following buoys/beacons were reported totally damaged and sunk post Tsunami disaster:

**Nancowry Island**

- |                               |                            |
|-------------------------------|----------------------------|
| (d) North east lighted beacon | 08° 01'.60N., 93° 33'.80E. |
| (e) Reid Point beacon         | 08° 01'.48N., 93° 33'.35E. |
| (f) Mayo Point beacon         | 08° 01'.60N., 93° 32'.53E. |

**Mayabundar Island**

- |                       |                            |
|-----------------------|----------------------------|
| (g) Takla west beacon | 12° 55'.53N., 92° 53'.46E. |
|-----------------------|----------------------------|

**Port Blair**

- |                        |                            |
|------------------------|----------------------------|
| (h) Bamboo flat beacon | 11° 41'.33N., 92° 43'.20E. |
| (i) Range flat beacon  | 11° 41'.21N., 92° 43'.06E. |

2. Mariners to exercise caution while navigating through this area.

**Charts affected: 4005 – 4006 – 4008 – 4012 – 4016****134 (T) (05/05) SRILANKA – South Coast – Great Basses Reef and Little Basses Reef – Lights.**

Source: B.A. notice 746(T)/05

(HJ/929/68)

1. The lights at Great Basses Reef (6° 10'.9N., 81° 28'.8E.) and Little Basses Reef (6° 24'.4N., 81° 43'.8E.) have been extinguished until further notice.

**Charts affected: 23 – 32 (INT 754) – 33 – 264 – 359.****\*135 (T) (05/05) ANDAMAN SEA – INDIA – Little Andaman Islands – Hut Bay – Coast line. Jetty. Light.**

Source: INS Sandhayak

(HJ/1028/07)

1. It is reported that the coastline in the area had undergone drastic changes. The Hut Bay breakwater has been breached at several places. The entire approach road and breakwater light at position 10° 35'.81N., 92° 33'.83E. has been destroyed. The passenger jetty is not safe to approach as the wreck of the fallen crane is a hazard to navigation.
2. Mariners are to exercise caution while navigating through this area.

**Charts affected: 4010****\*160 (T) (06/05) INDIA – Andaman Sea – Nicobar Island – Campbell Bay – Rock.**

Source: Hydrographic Note, INS Tillanchang, INS Sandhayak

(HJ/928/76)

1. It is reported that following rocks have been found at position
 

(a) New Rock	07° 01'.370N., 093° 55'.310E.
(b) Sunken boat	06° 59'.870N., 093° 55'.560E.
2. The Leading transit mark 323° on the beach was broken and damaged. The Chosen point light are non-operational. The seaward end of the breakwater is sunk.

**Charts affected: 409 – 471 – 472 (INT 7032) – 4035.**

**SECTION – V: NAVIGATIONAL WARNINGS IN FORCE**

- For details of NAVAREA limits and organization/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2004.
- NAVAREA Warnings in force:** - The serial numbers of all the NAVAREA warnings in force as on 28 Mar 2007, covering the entire world are listed below against the respective NAVAREA

<b><u>NAVAREA No.</u></b>	<b><u>LOCATION</u></b>	<b><u>LAST NAVAREA</u></b>	<b><u>NAVAREA IN FORCE</u></b>
I	N.E. Atlantic	062	<b>2005 series:</b> 402 468. <b>2006 series:</b> 261 356. <b>2007 series:</b> 019 026 027 035 039 042 045 049 050 056 062.
II	E. Atlantic	104	<b>2006 series:</b> 131 181 322. <b>2007 series:</b> 013 028 058 099 100 101 102 103 104.
III	Mediterranean	109	<b>2007 series:</b> 057 063 065 068 073 075 080 081 082 093 095 096 097 099 100 104 105 106 107 108 109.
IV	N.W. Atlantic	082	<b>2007 series:</b> Nil.
V	W. Atlantic	179	<b>2007 series:</b> Nil.
VI	S.W. Atlantic	094	<b>2007 series:</b> Nil.
VII	S.E. Atlantic	037	<b>2006 series:</b> 086. <b>2007 series:</b> 017 029 031 035 037.
VIII	Indian Ocean	200	<b>2006 series -</b> 474 745 753 794 803 <b>2007 series –</b> 012 014 035 044 072 085 092 094 096 106 112 121 131 134 135 136 140 141 142 160 161 167 168 170 174 177 178 179 183 184 185 188 192 194 195 196 198 199 200

<b>171 to 173. Cancelled.</b>
<b>174. India East Coast – Bay of Bengal.</b> Charts 31 353 INT 706. Seismic survey in progress by MV Geo Atlantic till 30 May 2007 in area bounded by: (a) 19-04.0N., 086-07.0E (b) 18-43.0N., 086-27.0E (c) 18-30.0N., 085-43.0E (d) 18-36.0N., 085-37.0E
2. Vessel towing 08 in number 7200 meter long streamer cables attached to red coloured tail buoy with flashing light.
3. All vessels operating in vicinity are to maintain a clearance of 05 NM and exercise caution.
4. Cancel this message on 31 May 2007.
<b>175 to 176. Cancelled.</b>
<b>177. India West Coast – Arabian Sea.</b> Charts 21 22 255 292 293 INT 705. Drilling operation in progress by rig JT Angel in position 18-36.35N., 071-15.78E.
2. Wide berth requested
<b>178. Cancel Navarea Eight 048 of 2007. India East Coast – Bay of Bengal.</b> Charts 31 352 353 INT 706. Seismic survey will be carried out by ‘Western Monarch’ from 16 Mar 2007 to 30 Apr 2007 in area bounded by: (a) 19-57.7N., 086-31.3E (b) 19-47.4N., 086-10.5E (c) 19-34.7N., 086-04.1E (d) 19-39.9N., 086-14.9E (e) 19-36.5N., 086-42.0E
2. Vessel towing 08 in number (7000 meter each long) streamer cables attached to yellow coloured tail buoy with flashing light.
3. All vessels operating in vicinity are to maintain a clearance of 04 NM from the vessel and exercise caution.
4. Cancel this message on 01 May 2007.
<b>179. Indian Ocean – Seychelles.</b> Charts INT 70 INT 71 INT 72. Seismic survey in progress by ‘Geo Mariner’ in following area: (a) 05-30.0S., 053-40.0E (b) 03-20.0S., 053-40.0E (c) 03-20.0S., 057-30.0E (d) 05-30.0S., 057-30.0E
2. Vessel towing 4.5 NM seismic cable attached with yellow tail buoy with white flashing light.
3. All vessels operating in vicinity are to keep a safe distance of 06 NM from the vessel and exercise caution.
<b>180 to 182. Cancelled.</b>

<p><b>183. Andaman Sea – Off Narcondam Island.</b> Charts 33 41 401 473 INT 706. Seismic survey will be carried out by Geco Searcher from 20 Mar 2007 in area bounded by:</p> <p>(a) 13-47.20N., 093-49.70E (b) 13-30.40N., 093-38.60E  (c) 13-30.40N., 094-15.40E (d) 13-47.20N., 094-15.50E</p> <p>2. Vessel towing 08 streamer cables of 7000 meters long attached to a yellow coloured tail buoy. Each buoy is equipped with radar reflector and a blue or white flashing light.</p> <p>3. All vessels operating in vicinity are to keep a safe distance of 04 NM and exercise caution.</p>
<p><b>184. India East Coast – Bay of Bengal.</b> Charts 31 32 355 INT 706. Seismic survey will be carried out by Veritas Viking-II from 18 Mar 2007 in area bounded by:</p> <p>(a) 15-47.60N., 081-16.30E (b) 15-54.00N., 081-24.20E  (c) 15-51.40N., 081-25.10E (d) 16-01.60N., 081-37.60E  (e) 15-34.40N., 081-47.20E (f) 15-25.10N., 081-23.90E</p> <p>2. Vessel towing 08 streamer cables of 6700 meters long attached to a yellow coloured tail buoy flashisng white light.</p> <p>3. All vessels operating in vicinity are to keep a safe distance of 04 NM and exercise caution.</p>
<p><b>185. India East Coast – Approaches to Visakhapatnam.</b> Charts 31 32 308 354 3002 INT 706. Lightrage operation in progress around 01 NM of visakhapatnam lightrage point 17-42.0N., 083-23.0E.</p> <p>2. Mariners to exercise caution.</p>
<p><b>186 to 187. Cancelled.</b></p>
<p><b>188. India West Coast - Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval coast battery between 0330 UTC and 1530 UTC on 23 Mar 27 Mar and 30 Mar 2007. Danger area bounded by:</p> <p>09-57.5N., 075-59.5E 09-57.7N., 076-14.2E  09-44.0N., 076-17.5E 09-42.5N., 076-09.5E</p> <p>2. Safe flying height 10000 meters.</p> <p>3. Cancel this message on 31 Mar 2007.</p>
<p><b>189 to 191. Cancelled.</b></p>
<p><b>192. Cancel Navarea Eight 712 of 2006. India East Coast – Bay of Bengal.</b> Charts 31 32 354 355 INT 706. Seismic survey in progress by MV C-Orion till 01 May 2007 in area bounded by:</p> <p>(a) 17-15.0N., 083-47.0E (b) 16-30.0N., 082-51.0E  (c) 16-20.0N., 083-00.0E (d) 17-03.0N., 083-57.0E</p> <p>2. Vessel towing 08 in number 6000 meters long streamer cable attached to a yellow coloured tail buoy fitted with white flashing light.</p> <p>3. All vessels operating in vicinity are to keep a safe distance of 05 NM and exercise caution.</p> <p>4. Cancel this message on 02 May 2007.</p>
<p><b>193. Cancelled.</b></p>
<p><b>194. Cancel Navarea Eight 175 of 2007. Refer Navarea Eight 136 of 2007. India East Coast – Bay of Bengal.</b> Charts 31 32 355 INT 706. Drill ship Deep Water Frontier moved to new position 16-10.3N., 082-37.2E.</p> <p>2. Wide berth requested.</p>
<p><b>195. Refer Navarea Eight 136 of 2007. India East Coast – Bay of Bengal.</b> Charts 31 352 INT 706. Rig Discoverer Seven Seas will move to new position 19-41.6N., 086-48.8E on 26 Mar 2007.</p> <p>2. Wide berth requested</p>
<p><b>196. India West Coast -Trivandrum. Charts 22 32 222 260 INT 706.</b> Rocket launching from Thumba equatorial rocket launching station 08-31.98N., 076-52.05E between 1330 UTC and 1700 UTC on 28 Mar and 29 Mar 07.</p> <p>2. Danger zones  (a) Sector of radius 05 NM from launcher between azimuth angles 190 degree and 300 degree.  (b) Sector of radii 45 NM and 75 NM from the launcher between azimuth angles 220 degree and 260 degree.</p> <p>3. Cancel this message on 30 Mar 2007.</p>
<p><b>197. Cancelled.</b></p>
<p><b>198. India East Coast – Chennai.</b> Charts 32 33 313 356 357 3001 3004 INT 706. Firing exercise by Naval coast battery 13-07.28N., 080-18.11E between 0530 UTC and 0730 UTC on 29 Mar 2007.</p> <p>2. Danger zone:  Sector of 11 NM radius between 045 degree and 075 degree from coast battery.</p> <p>3. Safe flying height 12800 metres.</p> <p>4. Cancel this message on 30 Mar 2007</p>
<p><b>199. India East Coast - Bay of Bengal.</b> Charts 31 301 351 352 INT 706. Experimental flight vehicle launch scheduled from launch pad 21-15.0N., 087-11.0E between 0430 UTC and 1030 UTC on 30 Mar and 31 Mar 2007</p> <p>2. Danger zones:  Sector of 216 NM radius between azimuth angles (from north) 110 degree and 170 degree from launch pad.</p> <p>3. No over flight and shipping activity is permissible within the above mentioned sector.</p> <p>4. Cancel this message on 01 Apr 2007</p>
<p><b>200. India Andaman Island – Bay of Bengal.</b> Charts 33 41 471 INT 706. A wooden boat partially sunk in position 06-11.9N., 092-33.4E.</p> <p>2. Mariners to exercise caution.</p>

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	060	<b>2005 Series:</b> 120 211 237 <b>2006 series:</b> 011 014 024 025 032 036 053 054 063 077 095 101 106 109 116 147 175 177 187 200 203 214 216 223 227 230 233 234. <b>2007 series:</b> 003 006 012 018 022 025 027 028 031 032 033 034 035 040 041 042 045 046 047 048 050 054 060.
X	Australia, New Guinea	035	<b>2007 series:</b> 011 014 028 032 033 034 035.
XI	Malacca Strait, China Sea, N. Pacific	109	<b>1996 series:</b> 0925 <b>1998 series:</b> 0655 <b>1999 series:</b> 0053 0187 0310 <b>2000 series:</b> 0677 <b>2001 series:</b> 0182 0775 <b>2003 series:</b> 0106 0303 0304 <b>2004 series:</b> 0246 0271 0361 0571 <b>2005 series:</b> 0271 0307 <b>2006 series:</b> 0005 0050 0052 0058 0060 0075 0083 0090 0123 0224 0250 0251 0276 0303 0343 0471 0480 0561 0568 0580 0585 <b>2007 series:</b> 0002 0003 0004 0008 0009 0064 0070 0074 0075 0076 0077 0079 0080 0085 0087 0093 0098 0102 0103 0104 0105 0106 0107 0108 0109.
XII	N.E. Pacific	069	<b>2007 series:</b> Nil
XIII	N.W. Pacific	Nil	<b>2007 series:</b> Nil
XIV	S.W. Pacific	007	<b>2006 series:</b> 018 049. <b>2007 series:</b> 005 007.
XV	S.E. Pacific	026	Nil
XVI	E. Pacific	Nil	Nil
Hydropacs	Pacific, Indian Ocean	Nil	<b>2006 series:</b> 375 524 1049 1812. <b>2007 series:</b> 357 444 463.
Hydrolants	Atlantic, Mediterranean	Nil	<b>2006 series:</b> 1394.

**SECTION – VI: CORRECTIONS TO SAILING DIRECTION**

- NIL -



**SECTION – VII: CORRECTIONS TO INDIAN LIST OF LIGHTS**

<b><u>No</u></b>	<b><u>Name &amp; Location</u></b>	<b><u>Position (Lat-Long)</u></b>	<b><u>Charact- eristics</u></b>	<b><u>Ht. mts.</u></b>	<b><u>Range miles</u></b>	<b><u>Structure &amp; Height (mts)</u></b>	<b><u>Remarks</u></b>
<b>D6644</b>	- Ponta Rovura	11 20-60 S 40 23-20 E	Fl R 4s	7	6	White truncated pyramidal masonry tower	<i>fl 0-4. TE 2007</i>  *
<b>D6645</b>	- Ilhota Lipulula	11 20-20 S 40 22-20 E	Fl G 4s	5	5	White metal tower, white square base 5	<i>fl 0-4. TE 2007</i>  *
<b>D6646</b>	- Comangano	11 18-70 S 40 23-80 E	Fl W 4s	9	6	White metal tower, white masonry base 5	<i>fl 0-5. TE 2007</i>  *
<b>D7340-08</b>	- Operation Jetty. N	26 21-88 N 56 21-54 E	Q G  *	6	3	Grey metal post 2	
<b>D7355</b>	Remove from list						
<b>D7575</b>	- Ra's Az Zawr	28 44-54 N 48 23-70 E *	Oc WR 5s	7 *	5 *	White tower, red stripes *	<i>W155°-245°(90°), R245°- 265°(20°), W265°-355°(90°)</i> *
<b>D7575-2</b>	- Marine Tower	28 43-99 N 48 23-38 E	Dir Q R	. .	7	White tower, red stripes 6	<i>Vis 251-50°-254-50°(3°)</i>  *
*	*	*	*	*	*	*	*
<b>E6022-5</b>	<b>Rās Abu el-Darag</b>	29 22-80 N 32 33-80 E	Fl(2)W 20s	50	<b>19</b>	White round tower on white square building	<i>fl 0-3, ec 3, fl 0-3, ec 16-4. Racon. TR 2007</i>  *
<b>F0831-5</b>	- Dir Lt 003°	6 02-20 N 80 13-48 E	Iso WRG 2s	. .	7	White tower 14	<i>G353°-359-67°(6-67°), W359-67°-006-33°(6-66°), R006-33°-013°(6-67°)</i> *
*	*	*	*	*	*	*	*
<b>F0840</b>	<b>Great Basses. NE rock</b>	6 10-70 N 81 28-90 E	Fl W 15s	34	<b>25</b>	White granite tower, 2 galleries 20m apart, conical roof 38	<i>fl 0-4</i>  *

<b>F1292-3</b>	<b>Pulau Rangas</b>	4 38-17 N 95 30-97 E	Fl W 5s	50	<b>17</b>	White beacon	<i>fl 0-9</i>	*
<b>F1337</b>	Teluk Aru. Pangkalansusu	4 07-05 N 98 12-33 E	Fl Y 4s	7	4	Yellow × on yellow beacon 5	<i>fl 0-5. TE 2007</i>	*
<b>F1337-5</b>	Teluk Aru. Pangkalansusu	4 07-14 N 98 12-18 E	Fl Y 5s	7	4	Yellow × on yellow beacon 5	<i>fl 0-5. TE 2007</i>	*
<b>F1376-7</b>	<b>Kuala Tanjung. Lalang</b>	3 22-60 N 99 26-05 E	Fl W 4s	34	<b>16</b>	White beacon 30	<i>fl 1. Ra refl</i>	*
*	*	*	*	*	*	*		*
<b>F1376-8</b>	Kuala Tanjung. Lalang	3 23-48 N 99 26-74 E	Fl Y 5s	9	6	Yellow × on yellow beacon 3	<i>fl 1</i>	*
*	*	*	*	*	*	*		*
<b>F1548</b>	Perak. Kuala Gula	4 55-18 N 100 27-82 E	Q R	10	6	Red □ on white column		*
*	*	*	*	*	*	*		*
<b>K1021</b>	Karang Genting (I)	3 33-17 S 107 41-33 E	Fl W 5s	10	11	White beacon	<i>fl 0-5</i>	*
<b>K1076-4</b>	- E Mole. Elbow (I)	6 05-67 S 106 53-30 E	Fl R 3s	6	5	Red metal column 4	<i>fl 1</i>	*

**SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS****INP 31(1), 2005***(Last correction: Edition No. 02 dated 16 Jan 2007)*

NIL

**INP 31(2), 1995***(Last correction: Edition No. 06 dated 16 Mar 2007)***PAGE 12, INDIA section.**

Insert:

**Azhikod Lt Racon<sup>1</sup> D** 10°11'87N, 76°09'52E. **79075**

(1) On trial

BA Notice- 10/07

07/07

**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.01 dated 01 Jan 2007)*

NIL

**INP 31, VOLUME 6, 2005***(Last correction: Edition No. 06 dated 16 Mar 2007)***PAGE 21, MAURITIUS, PORT LOUIS, Harbour Pilots and Port, PROCEDURE.**

Delete section (4) and replace by:

(4) **Pilot boards** in position 20°07'50S 57°27'05E.

BA Notice- 10/07

07/07

**BA, VOLUME 7, 1999/00-PART 2***(Last correction: Edition No. 16 dated 16 Aug 2000)*

NIL

**INP 31(8), 1999***(Last correction: Edition No. 05 dated 01 Mar 2006)*

NIL

**SECTION – IX: PLOTTING OF GPS POSITIONS IN INDIAN CHARTS**

All mariners are advised to exercise extreme caution while using the Global Positioning System positions in WGS 84 datum on the Indian navigational charts produced in Everest datum. The variation in these parameters is considerable along the Indian coast and in Andaman & Nicobar and Lakshadweep islands (300 to 800 metres variations). Mariners are also advised to apply datum shift parameters (if available) on the Indian navigational charts before using Global Positioning System positions on Indian charts. These shift parameters are specified on the charts where observed, at a suitable position under legend note. Mariners are advised to use alternate methods of fixing while operating in restricted waters and in vicinity of dangers.

The Chief Hydrographer to the Govt. of India shall not be responsible for any marine accidents arising as a result of usage of GPS positions in WGS 84 datum in Indian navigational charts in Everest datum without the application of Datum Transformation Parameters/corrections where available or listed in the charts.

## **SECTION – X: 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,  
Post Box No. 75, Dehradun - 248 001  
(UTTARANCHAL), INDIA  
e-mail: - [incho@dataone.in](mailto:incho@dataone.in); [incho\\_marinesafety@dataone.in](mailto:incho_marinesafety@dataone.in)  
[incho\\_navwarnings@dataone.in](mailto:incho_navwarnings@dataone.in); [incho\\_helpdesk@dataone.in](mailto:incho_helpdesk@dataone.in)  
Fax No.: (0135) 2748373  
Web: [www.hydrobharat.nic.in](http://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)**

(To accompanying Form I.H. 102)

Name and address of ship / sender:

\_\_\_\_\_ **Ref No.:** \_\_\_\_\_  
 \_\_\_\_\_ **Date :** \_\_\_\_\_  
 \_\_\_\_\_

**Fax No.:** \_\_\_\_\_, **E-mail:** \_\_\_\_\_

1.	<b>a) NAME OF THE PORT</b> : <b>b) Location</b> : <b>Lat:</b> _____, <b>Long:</b> _____ <b>c) Listing in Guide to Port Entry: Yes/No.</b> <b>Sl. No.:</b> _____	
2.	<b>NAME AND ADDRESS OF PORT AUTHORITIES</b> a) Name b) Address c) Phone d) Fax e) E-mail	
3.	<b>GENERAL REMARKS</b> 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.	<b>ANCHORAGES</b> a) Type / Purpose b) Minimum Depth at anchorage c) Shelter afforded d) Holding ground e) Recommended pilotage to the anchorage	
5.	<b>PILOTAGE</b> a) Authority for requests. b) Embarkation position c) Regulations d) Documents to be provided	
6.	<b>DIRECTIONS</b> a) Entry and berthing information. b) Tides (Height) c) Tidal Streams. d) Navigational aids.	
7.	<b>POLLUTION CONTROL</b> a) Local regulations in force (if any)	

<p>8. <b>TUGS</b></p> <ul style="list-style-type: none"> <li>a) Number available</li> <li>b) Max. hp.</li> <li>c) Requesting authority</li> <li>d) Availability times</li> <li>e) Communication with Tugs</li> <li>f) Hiring Charges</li> </ul>	
<p>9. <b>BERTHING AND WHARVES</b></p> <ul style="list-style-type: none"> <li>a) Number of berths available</li> <li>b) Length,</li> <li>c) Depth alongside</li> <li>d) Facilities available.</li> <li>e) Procedures for requesting berthing and hiring charges</li> </ul>	
<p>10. <b>CARGO HANDLING</b></p> <ul style="list-style-type: none"> <li>a) Containers</li> <li>b) Lighters</li> <li>c) Roll on/ roll off, etc.</li> </ul>	
<p>11. <b>CRANES</b></p> <ul style="list-style-type: none"> <li>a) Brief details and max. capacity.</li> <li>b) Container handling facilities</li> </ul>	
<p>12. <b>BRIDGES</b></p> <p>Vertical clearances</p>	
<p>13. <b>REPAIRS</b></p> <ul style="list-style-type: none"> <li>a) Hull, machinery and underwater</li> <li>b) Ship and boat yards</li> <li>c) Docking or Slipway facilities (Give size of vessels handled or dimensions)</li> <li>d) Hards and ramps.</li> <li>e) Divers / Diving Assistance</li> </ul>	
<p>14. <b>RESCUE AND DISTRESS</b></p> <p>Salvage, lifeboat, coastguard, etc.</p>	
<p>15. <b>SUPPLIES</b></p> <ul style="list-style-type: none"> <li>a) Fuel with type and quantities available.</li> <li>b) Freshwater and rate of supply.</li> <li>c) Provisions</li> <li>d) Chart Agents</li> </ul>	
<p>16. <b>SERVICES</b></p> <ul style="list-style-type: none"> <li>a) Radio Telegrams/Telephony</li> <li>b) Medical.</li> <li>c) Quarantine</li> <li>d) Consuls.</li> <li>e) Ship chandlery and stevedores,</li> <li>f) Compass adjustment,</li> <li>g) Tank cleaning,</li> <li>h) Hull painting.</li> <li>j) Diving and underwater examination</li> <li>k) Police / Ambulance / Fire</li> <li>l) Navigational warnings and weather bulletins</li> <li>m) Garbage Disposal</li> <li>n) Telephones</li> <li>p) Waste oil disposal</li> </ul>	
<p>17. <b>COMMUNICATIONS</b></p> <ul style="list-style-type: none"> <li>a) Road, rail and air services available</li> <li>b) Nearest airport or airfield.</li> <li>c) Port Radio and Information service (Frequencies and operating hours)</li> </ul>	

18. <b>PORT AUTHORITY</b> Designation, address and telephone number.	
19. <b>SMALL CRAFT FACILITIES</b> a) Information and facilities for small craft /yachts visiting the port. b) Yacht clubs, berths etc.	
20. <b>SHORE LEAVE</b>	
21. <b>CLUBS / RECREATION / INFORMATION KIOSKS</b> – Their location.	
22. <b>VIEWS</b> (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**

PO Box No. 75,

Dehradun- 248001

(UTTARANCHAL), INDIA

**E Mail :** [incho@dataone.in](mailto:incho@dataone.in) / [incho\\_marinesafety@dataone.in](mailto:incho_marinesafety@dataone.in)

[incho\\_navwarnings@dataone.in](mailto:incho_navwarnings@dataone.in) / [incho\\_helpdesk@dataone.in](mailto:incho_helpdesk@dataone.in)

Fax No.: 91- 0135- 2748373

WEB: [www.hydrobharat.nic.in](http://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:**

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

PO Box No. 75,

Dehradun- 248001

(UTTARANCHAL), INDIA

**E Mail:** [incho@dataone.in](mailto:incho@dataone.in) / [incho\\_marinesafety@dataone.in](mailto:incho_marinesafety@dataone.in)

[incho\\_navwarnings@dataone.in](mailto:incho_navwarnings@dataone.in) /

[incho\\_helpdesk@dataone.in](mailto:incho_helpdesk@dataone.in)

**Fax No.:** 91- 0135- 2748373

**WEB:** [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in)

*Please Note:*

1. Please see over leaf 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.

**TABLE FOR CONVERTING FEET AND FATHOMS TO METRES**

Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres
1		0.305	55		16.764	162	27	49.378	498	83	151.790
1.5	¼	0.457	56		17.069	168	28	51.206	504	84	153.619
2		0.610	57	9½	17.374	174	29	53.035	510	85	155.448
3	½	0.914	58		17.678	180	30	54.864	516	86	157.277
4		1.219	59		17.983	186	31	56.693	522	87	159.106
4.5	¾	1.372	60	10	18.288	192	32	58.522	528	88	160.934
5		1.524	61		18.593	198	33	60.350	534	89	162.763
6	1	1.829	62		18.898	204	34	62.179	540	90	164.992
7		2.134	63	10½	19.202	210	35	64.008	546	91	166.421
8		2.438	64		19.507	216	36	65.837	552	92	168.250
9	1½	2.743	65		19.812	222	37	67.666	558	93	170.078
10		3.048	66	11	20.117	228	38	69.494	564	94	171.907
11		3.353	67		20.422	234	39	71.323	570	95	173.736
12	2	3.658	68		20.726	240	40	73.152	576	96	175.565
13		3.962	69	11½	21.031	246	41	74.981	582	97	177.394
14		4.267	70		21.336	252	42	76.810	588	98	179.222
15	2½	4.572	71		21.641	258	43	78.638	594	99	181.051
16		4.877	72	12	21.946	264	44	80.467	600	100	182.880
17		5.182	73		22.250	270	45	82.296			
18	3	5.486	74		22.555	276	46	84.125	<b>Metres</b>	<b>Inches</b>	
19		5.791	75	12½	22.860	282	47	85.954			
20		6.096	76		23.165	288	48	87.782	0.10	3.937	
21	3½	6.401	77		23.470	294	49	89.611	0.20	7.874	
22		6.706	78	13	23.774	300	50	91.440	0.30	11.811	
23		7.010	79		24.079	306	51	93.469	0.40	15.748	
24	4	7.315	80		24.384	312	52	95.098	0.50	19.685	
25		7.620	81	13½	24.689	318	53	96.926	0.60	23.622	
26		7.925	82		24.994	324	54	98.755	0.70	27.559	
27	4½	8.230	83		25.298	330	55	100.584	0.80	31.496	
28		8.534	84	14	25.603	336	56	102.413	0.90	35.433	
29		8.839	85		25.908	342	57	104.242	1.00	39.370	
30	5	9.144	86		26.213	348	58	106.070			
31		9.449	87	14½	26.518	354	59	107.899			
32		9.754	88		26.822	360	60	109.728			
33	5½	10.058	89		27.127	366	61	111.557			
34		10.363	90	15	27.432	372	62	113.386			
35		10.668	91		27.737	378	63	115.214			
36	6	10.973	92		28.042	384	64	117.043			
37		11.278	93	15½	28.346	390	65	118.872			
38		11.582	94		28.651	396	66	120.701			
39	6½	11.887	95		28.956	402	67	122.530			
40		12.192	96	16	29.261	408	68	124.358			
41		12.497	97		29.566	414	69	126.187			
42	7	12.802	98		29.870	420	70	128.016			
43		13.106	99	16½	30.175	426	71	129.845			
44		13.411	100		30.480	432	72	131.674			
45	7½	13.716	102	17	31.090	438	73	133.502			
46		14.021	108	18	32.918	444	74	135.381			
47		14.326	114	19	34.747	450	75	137.160			
48		14.630	120	20	36.576	456	76	138.989			
49		14.935	126	21	38.405	462	77	140.818			
50		15.240	132	22	40.234	468	78	142.646			
51	8½	15.545	138	23	42.062	474	79	144.475			
52		15.850	144	24	43.891	480	80	146.304			
53		16.154	150	25	45.720	486	81	148.133			
54	9	16.459	156	26	47.549	492	82	149.962			

## TABLE FOR CONVERTING METRES TO FEET AND FATHOMS

Mtrs	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms
1	3.281	0.547	57	187.008	31.168						
2	6.562	1.094	58	190.289	31.715	5000	16404.20	2734.03			
3	9.843	1.640	59	193.570	32.262	6000	19685.04	3280.84			
4	13.123	2.187	60	196.850	32.808	7000	22965.88	3827.65			
5	16.404	2.734	61	200.131	33.355	8000	26246.72	4374.45			
6	19.685	3.281	62	203.412	33.902	9000	29527.56	4921.26			
7	22.966	3.828	63	206.693	34.449	10000	32808.40	5468.07			
8	26.247	4.374	64	209.974	34.996						
9	29.528	4.921	65	213.255	35.542	<b>Inches</b>	<b>Feet</b>	<b>Metres</b>	<b>Factors</b>		
10	32.808	5.468	66	216.535	36.089						
11	36.089	6.015	67	219.816	36.636	1	0.083	0.025	1 Inch=0.0254 m		
12	39.370	6.562	68	223.097	37.183	2	0.167	0.051	1 Foot=0.3048 m		
13	42.652	7.108	69	226.378	37.730	3	0.250	0.076	1 Fthm=1.8288 m		
14	45.932	7.655	70	229.659	38.276	4	0.333	0.102	or 6 feet		
15	49.213	8.202	71	232.940	38.823	5	0.417	0.127			
16	52.493	8.749	72	236.220	39.370	6	0.500	0.152			
17	55.774	9.296	73	239.501	39.197	7	0.583	0.178			
18	59.055	9.843	74	242.782	40.464	8	0.667	0.203			
19	62.336	10.389	75	246.063	41.010	9	0.750	0.229			
20	65.617	10.936	76	249.344	41.557	10	0.833	0.254			
21	68.898	11.483	77	252.625	42.104	11	0.917	0.279			
22	72.178	12.030	78	255.906	42.651	12	1.000	0.305			
23	75.459	12.577	79	259.186	43.198						
24	78.740	13.123	80	262.467	43.745	<b>Fthms</b>	<b>Metres</b>	<b>Feet</b>	<b>Metres</b>		
25	82.021	13.670	81	265.748	44.291						
26	85.302	14.217	82	269.029	44.838	200	365.760	700	213.360		
27	88.583	14.764	83	272.310	45.385	300	548.640	800	243.840		
28	91.864	15.311	84	275.591	45.932	400	731.520	900	274.320		
29	95.144	15.857	85	278.871	46.479	500	914.400	1000	304.800		
30	98.425	16.404	86	282.152	47.025	600	1097.280				
31	101.706	16.951	87	285.433	47.572	700	1280.160				
32	104.987	17.498	88	288.714	48.119	800	1463.040				
33	108.268	18.045	89	291.995	48.666	900	1645.920				
34	111.549	18.591	90	295.276	49.213	1000	1828.800				
35	115.829	19.138	91	298.556	49.759						
36	118.110	19.685	92	301.837	50.306	<b>Factor = 1 m = 3.280839895 feet or</b>					
37	121.391	20.232	93	305.118	50.853	<b>39370078740 inches = 0.546806649 fthm</b>					
38	124.672	20.779	94	308.399	51.400						
39	127.953	21.325	95	311.680	51.947						
40	131.234	21.872	96	314.961	52.493						
41	134.514	22.419	97	318.241	53.040						
42	137.795	22.966	98	321.522	53.587						
43	141.076	23.513	99	324.803	54.134						
44	144.357	24.059	100	328.084	54.658						
45	147.638	24.606	200	656.17	109.36						
46	150.919	25.153	300	984.25	164.04						
47	154.199	25.700	400	1312.34	218.72						
48	157.480	26.247	500	1640.42	273.40						
49	160.761	26.794	600	1968.50	328.08						
50	164.042	27.340	700	2296.59	382.76						
51	167.323	27.887	800	2624.67	437.45						
52	170.604	28.434	900	2952.76	492.13						
53	173.885	28.981	1000	3280.84	546.81						
54	177.165	29.528	2000	6561.68	1093.61						
55	180.446	30.074	3000	9842.52	1640.42						
56	183.727	30.621	4000	13123.36	2187.23						

*To accompany Indian Notice to Mariners 178/07*

*On BA Chart 159(INT 7010)*

#### PROTECTED AREAS

All the islands within Egyptian Red Sea territorial waters are declared Protected Areas. It is forbidden to anchor, fish, cause pollution, leave litter or disturb the marine life within 1 nautical mile of each of these islands. Furthermore, a permit and the payment of park fees is required before entering the areas around the following islands:

Gifâtin Islands (27° 13' -0N. , 33°57' -0E.)

El Akhawein (26°19' -0N. , 34°51' -0E.)

Abu El Kizân (24°56' -0N. , 35°52' -0E.)

Gezîret Zabargad (23°36' -0N. , 36°12' -0E.)

Rocky Island (23° 34' -0N. , 36°15' -0E.)

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