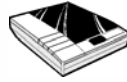




INDIAN NOTICES TO MARINERS FOR 2006

(PUBLISHED FORTNIGHTLY ON 1ST & 16TH OF EVERY MONTH)
EDITION No. 19 DATED 01 OCT 2006
(CONTAIN NOTICES 463 TO 476)

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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, therefore, 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 publication. The Hydrographic Note [Form IH – 102] is a convenient form on which to notify such changes. Specimen form is attached at Section X with this notice.

**Chief Hydrographer
to the Government of India**

**National Hydrographic Office
Post Box No. 75
Dehradun 248 001
India**

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For the Indian Ocean Area
INSIST OF 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 contains 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°. Bearing 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. A SI Nos. of those in force 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 is 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 light of list 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.

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 should be 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 danger.

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 C-93 SENC format.

Contact Details:-

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Website: - www.c-map.co.in

SECTION – I
List of charts affected by
The Notices 463 to 476 contained in this Edition

INDIAN H.O. Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
20	1	469	58 (INT 7314)	41	471
21	2	471	792	45	472
200	2	471	918	60	474
208	2	463	1235 (INT 7289)	40	470
250	2	471	1265 (INT 7291)	40	470
289	1	469	1353	45	473
291	2	471	2442	40	469
317	4	463	2884 (INT 7278)	40	470
2019	2	464	2887 (INT 7232)	40	469
2078 (INT 7346)	3	463	2889 (INT 7211)	40	469
3024	5	465	3175 (INT 7212)	40	468,469
4005	6	466,475(T)	3176 (INT 7216)	40	468
4035	6	467	3411 (INT 7218)	40	468
7701 (INT 701)	1	463	3412 (INT 7219)	40	468
7702 (INT 702)	1	463			
8004	1	469			

SECTION – II: PERMANENT NOTICES
INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS

***463 (19/06) (a): NEW INDIAN CHARTS**

Source: NHO, Dehradun.
(HJ/NM/Pub)

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
208	31-07-2006	GULF OF KHAMBHAT <u>Limits:</u> 21° 02'.50N; 71° 57'.00E. 22° 20'.00N; 72° 50'.00E.	1:150 000	2	Rs. 1360.00
317	31-07-2006	PALK BAY WESTERN PORTION <u>Limits:</u> 08° 57'.50N; 78° 50'.00E. 10° 20'.00N; 79° 44'.00E.	1:150 000	4	Rs. 1360.00
7701 (INT 701)	31-07-2006	MAPUTO TO MUQDISHO (MOGGADISCIO) <u>Limits:</u> 27° 00'.00S; 32° 00'.00E. 05° 28'.70N; 53° 25'.70E.	1:3 500 000	1	Rs. 1360.00
7702 (INT 702)	31-07-2006	CHAGOS ARCHIPELAGO TO MADAGASCAR <u>Limits:</u> 24° 18'.10S; 44° 27'.00E. 03° 30'.00S; 77° 47'.00E.	1:3 500 000	1	Rs. 1360.00

(b): 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>
2078 (INT 7346)	31-07-2006	PORT OF MORMUGAO <u>Limits:</u> 15° 23'.55N; 73° 43'.75E. 15° 27'.90N; 73° 50'.60E.	1:12 500	3	Rs. 1360.00

(c) INDIAN CHARTS PERMANENTLY WITHDRAWN

<i>Chart to be withdrawn</i>	<i>Date of Publication</i>	<i>Main Title</i>	<i>On Publication of New Chart/New Edition</i>	<i>Date of Publication</i>
208	15-06-1979	GULF OF KHAMBHAT	208	31-07-2006
317	16-03-1981	PALK BAY WESTERN PORTION	317	31-07-2006
2078 (INT 7346)	31-05-2001	PORT OF MORMUGAO	2078 (INT 7346)	31-07-2006
7701 (INT 701)	30-09-1992	MAPUTO TO MUQDISHO (MOGGADISCIO)	7701 (INT 701)	31-07-2006
7702 (INT 702)	30-09-1992	CHAGOS ARCHIPELAGO TO MADAGASCAR	7702 (INT 702)	31-07-2006

***464 (19/06) INDIA – West Coast – Magdalla Port – Buoy.**

Source: Gujarat Maritime Board.
(HJ/1130/17)

Chart 2019 (Plan) [previous update 104/06]

Insert



FL.G

21° 09'.28N., 072° 41'.23E

21° 09'.16N., 072° 41'.61E


21° 08'.87N., 072° 41'.94E

21° 08'.60N., 072° 42'.53E

***465 (19/06) INDIA – East Coast – Kalingapatnam Anchorage and Bhavanapadu Anchorage Source data diagram and Anchorage.**

Source: NHO Dehradun
(HJ/1029/85)

Chart 3024 [previous update 332/06]

Delete	Source limit joining:	(a)	18° 34'·60N., 084° 21'·80E
		(b)	18° 33'·10N., 084° 21'·80E
		(c)	18° 33'·10N., 084° 21'·15E
	legend 'C' (in Source data Diagram)		18° 33'·90N., 084° 21'·65E
Insert			18° 34'·15N., 084° 22'·28E

***466 (19/06) ANDAMAN SEA – INDIA – Nicobar Islands – Nancowry Harbour and approaches – Beacons.**

Source: Hydrographic Note INS Mahish
(HJ/928/86)

Chart 4005 [previous update 159/06]

Delete	 No 1	08° 01'.96N., 93° 32'.85E.
	 No 2	08° 01'.80N., 93° 32'.86E.
	 No 4	08° 01'.82N., 93° 32'.30E.

***467 (19/06) ANDAMAN SEA – INDIA – Nicobar Islands – Campbell Bay – Jetty, Light.**

Source: Hydrographic Note INS Mahish
(HJ/928/76)

Refer to INM 160 (T)/05


Chart 4035 [previous update 379/04]

1. **Cancel former INM 160(T)/05, SI No. 02**, approach arm to the jetty and breakwater light.
2. Approach arm to the jetty fully repaired and being extensively used.
3. Break water light operational.


468 (19/06) UNITED ARAB EMIRATES - Approaches to Dubai (Dubayy) - Buoy.

Source: BA Notice 4090/06.
(HJ/1132/54)


BA Chart 3175 (INT 7212) [previous update 399/06]

Move	 LFL.10s Khor Dubai from:	25° 19'·25N., 55° 17'·25E.
	to	25° 19'·01N., 55° 17'·26E.


BA Chart 3176 (INT 7216) [previous update 421/06]

Move	 LFL.10s Khor Dubai from:	25° 19'·25N., 55° 17'·25E.
	to	25° 19'·01N., 55° 17'·26E.

BA Chart 3411 (INT 7218) [previous update 238/06]

Move	 LFL.10s Khor Dubai from:	25° 19'·250N., 55° 17'·250E.
	to	25° 19'·008N., 55° 17'·265E.

BA Chart 3412 (INT 7219) [previous update 439/06]

Move	 LFL.10s Khor Dubai from:	25° 19'·25N., 55° 17'·25E.
	to	25° 19'·01N., 55° 17'·26E.

469 (19/06) UNITED ARAB EMIRATES – Sirri A Oilfield Westwards and Mubarek Oilfield East south-eastwards - Depths.

Source: BA Notice 4091/06.
(HJ/1132/56)

Chart 20 [previous update 373/06] (WGS DATUM)

Insert	depth 25 and extend 30m contour NE to enclose	25° 45'·5N., 53° 43'·3E.
--------	---	--------------------------

469 (19/06) UNITED ARAB EMIRATES – Sirri A Oilfield Westwards and Mubarek Oilfield East south-eastwards - Depths. (continued)

Chart 289 [previous update 440/06] (WGS DATUM)

Insert depth 25, enclosed by 30m contour (a) 25° 45'·5N., 53° 43'·3E.
depth 31 25° 48'·7N., 55° 23'·0E.

Delete depth 35, close E of: (a) above

Chart 8004 [previous update 400/06] (WGS DATUM)

Insert depth 31 25° 48'·7N., 55° 23'·0E.

BA Chart 2442 [previous update 294/04]

Insert depth 25, enclosed by 30m contour 25° 45'·46N., 53° 43'·31E.

BA Chart 2887 (INT 7232) [previous update 375/06]

Insert depth 25, enclosed by 30m contour 25° 45'·5N., 53° 43'·3E.
depth 31 25° 48'·7N., 55° 23'·0E.

BA Chart 2889 (INT 7211) [previous update 453/06]

Insert depth 25, enclosed by 30m contour 25° 45'·5N., 53° 43'·3E.
depth 31 (a) 25° 48'·7N., 55° 23'·0E.

Delete depth 40, close SW of: (a) above

BA Chart 3175 (INT 7212) [previous update 468/06]

Insert depth 31 25° 48'·72N., 55° 22'·98E.

470 (19/06) IRAQ - Approaches to Shaţţ al'Arab - Khawr al Amaya Terminal North-westwards - Wreck. Buoyage.

Source: BA Notice 4155/06.

(HJ/1133/91)

BA Chart 1235 (INT 7289) [previous update 401/06]

Insert  Wk (buoyed) 29° 47'·50N., 48° 47'·22E.

BA Chart 1265 (INT 7291) [previous update 401/06]

Insert  Wk (buoyed) 29° 47'·50N., 48° 47'·22E.

BA Chart 2884 (INT 7278) [previous update 401/06]

Insert  Wk 29° 47'·50N., 48° 47'·22E.

471 (19/06) PAKISTAN - Approaches to Karachi - Submarine cable.

Source: BA Notice 4192/06.

(HJ/1131/43)

Chart 21 [previous update 402/06] (WGS DATUM)



Insert submarine cable, , joining: 24° 50'·60N., 66° 53'·79E.
(shore)
24° 47'·47N., 66° 53'·58E.
24° 45'·16N., 66° 52'·18E.
24° 43'·53N., 66° 51'·89E.
24° 36'·99N., 66° 53'·66E.
24° 26'·40N., 66° 53'·60E.
24° 23'·30N., 66° 52'·10E.

Chart 291 [previous update 402/06] (WGS DATUM)

Insert submarine cable, , joining: 24° 50'·60N., 66° 53'·79E.
(shore)
24° 47'·47N., 66° 53'·58E.
24° 45'·16N., 66° 52'·18E.
24° 43'·53N., 66° 51'·89E.
24° 36'·99N., 66° 53'·66E.
24° 26'·40N., 66° 53'·60E.
24° 23'·30N., 66° 52'·10E.

471 (19/06) PAKISTAN - Approaches to Karachi - Submarine cable. (continued)**Chart 250** [previous update 250/06] (WGS DATUM)



Insert submarine cable, , joining: 24° 50'·60N., 66° 53'·79E.
(shore)
24° 47'·47N., 66° 53'·58E.
24° 45'·16N., 66° 52'·18E.
24° 43'·53N., 66° 51'·89E.
24° 36'·99N., 66° 53'·66E.
24° 26'·40N., 66° 53'·60E.
24° 23'·30N., 66° 52'·10E.

Chart 200 [previous update 289/03] (WGS DATUM)

Insert submarine cable, , joining: 24° 50'·60N., 66° 53'·79E.
(shore)
24° 47'·47N., 66° 53'·58E.
24° 45'·16N., 66° 52'·18E.
24° 43'·53N., 66° 51'·89E.
24° 36'·99N., 66° 53'·66E.
24° 26'·40N., 66° 53'·60E.
24° 23'·30N., 66° 52'·10E.

BA Chart 58 (INT 7314) [previous update 402/06]

Insert submarine cable, , joining: 24° 50'·60N., 66° 53'·79E.
(shore)
24° 48'·70N., 66° 53'·66E.
24° 48'·14N., 66° 53'·72E.
24° 47'·47N., 66° 53'·58E.
24° 46'·93N., 66° 53'·17E.
24° 44'·76N., 66° 52'·03E.
24° 41'·72N., 66° 51'·67E.
24° 40'·76N., 66° 51'·89E.
24° 38'·03N., 66° 53'·38E.
24° 36'·99N., 66° 53'·66E.
24° 30'·00N., 66° 53'·69E.
(S border)

472 (19/06) MALAYSIA - Peninsular Malaysia, West Coast - Sungai Manjung -Pelabuhan Lumut - Dredged depth.

Source: BA Notice 4031/06.

(HJ/927/49)

BA Chart 792 (Continuation, Sungai Manjung (Sungai Dinding))[previous update 153/06]

Amend dredged depth to, 9.3m, centred on: 4° 15'·35N., 100° 39'·60E.

473 (19/06) INDONESIA - Sumatera - Approaches to Belawan - Light. Radar beacon.

Indian List of Lights Vol. F&K 2003, F1355

ALRS Vol 2, 1985: 86090 (16/06)

Source: BA Notice 4096/06.

(HJ/928/31)



BA Chart 1353 [previous update 317/06]Delete  Fl.G.15M and associated radar beacon, Racon (M) 3° 52'·0N., 98° 44'·3E.**474 (19/06) INDONESIA - Jawa - North Coast - Semarang North-eastwards and Pulau-Pulau Karimunjawa - Approaches to Jepara and Approaches to Karimunjawa - Light-beacons. Lights.**

Indian List of Lights Vol. F&K 2003, K 1138.3, 1138.5, 1142, 1143

Source: BA Notice 4092/06.

(HJ/826/49)

BA Chart 918 (plan C, Karimunjawa Anchorage) [previous update 277/06]

Insert  Fl.G.5s8m6M PA 5° 53'·48S., 110° 26'·47E.
 Fl.R.5s8m6M PA 5° 53'·41S., 110° 26'·01E.

SECTION – III: TEMPORARY AND PRELIMINARY NOTICES***475(T) (19/06) ANDAMAN SEA – INDIA – Nicobar Islands –Nancowary harbour and approaches – Buoy.**

Source: Hydrographic Note ,INS Mahish
(HJ/928/86)

1. Following buoys red in Colour, conical in shape are temporarily laid in Nancowary harbour to assist mariners for entering/leaving harbour. All the buoys are small and are expected to paint on the radar scope in calm and good weather conditions and the buoys are numbered from seaward end of the eastern channel. Positions of the buoys are:

<u>Name of Buoy</u>	<u>Position</u>
Port hand (2)	08° 01' .44N., 093° 33' .73E.
Port hand (4)	08° 01' .64N., 093° 33' .04E.
Port hand (6)	08° 01' .66N., 093° 32' .71E.
Port hand (8)	08° 01' .72N., 093° 32' .19E.
Stbd hand (1)	08° 01' .95N., 093° 32' .58E.

2. Mariners to exercise caution while navigating through this area.
3. **Cancel only 1 (a), 1 (b) and 1(c) from former INM 106(T)/05.**
Charts affected: 4005.

***476 (T) (19/06) Temporary and Preliminary Notices (in force as on 01 Oct 2006)**

INM 356(T) (13/06) 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.
464(T)/05	B.A. 1214 223 235 (INT 7289) 2882 (INT 7264) 2884 (INT 7278) 3773	KUWAIT - Measuring instruments. Buoyage.
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.
136 (P)/06	B.A. 1235 (INT 7289) 1238	ARABIA - Approaches to Umm Qaşr and Az Zubayr - Depths. Wrecks. Obstructions. Dredged depths. Buoyage. Pilot boarding place.(continued)
161 (P)/06	B.A. 2442 2443 2837 2847 2858 2886 2887 (INT 7232) 2888 (INT 7199) 2889 (INT 7211) 3174 3175 3176 3412 (INT 7219) 3739 (INT 7220) 3950	UNITED ARAB EMIRATES - QATAR - Submarine cables.

202 (P)/06	BA. 2523 (INT 7250) 2837 2847 2858 2886 -3735 (INT 7259) 3737 (INT 7255) 3738 (INT 7254) 3788 3790 (INT 7252) 3791 3950	QATAR - Az Za.a-yin to BAHRAIN, Al Manama - Submarine cable.
204 (P)/06	BA. 2837 2847 2858 2882 (INT 7264) 2883 2884 (INT 7278) 2886 3773 3777 3788 3790 (INT 7252) 3812	SAUDI ARABIA - East Coast - Al Khubar to Al Kuwayt, KUWAIT - Submarine cable.
205 (P)/06	BA. 1214 2441 2442 2443 2523 (INT 7250) 2837 2847 2851 2858 2882 (INT 7264) 2883 2884 (INT 7278) 2886 2887 (INT 7232) 2888 (INT 7199) 2889 (INT 7211) 3172 3173 3175 3176 3599 3773	KUWAIT -Al Kuwayt to Bandar .Abba -s, IRAN - Submarine cable.
227 (P)/06	BA. 12	SAUDI ARABIA -Red Sea Coast -Port of Duba - Dredging area.Works.
253 (P)/06	BA.2887 (INT7232) 2888 (INT 7199) 2889 (INT 7211) 3175 3176 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. Submarine cables. Breakwaters. Mole.
254 (P)/06	BA. 3713 3715	UNITED ARAB EMIRATES - Abu Dhabi (Abu Zaby) - Khawr al Bighal, Approaches to Umm an Nar - Khawr al Baġin - 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.
328 (P)/06	BA. 2523 (INT 7250) 3789 3791 3950	QATAR – Ra’s Laffan - Works. Berths. Buoyage. Dredging areas. Reclamation areas.
355 (P)/06	8004 BA. 2887 (INT 7232) 2888 (INT 7199) 2889 (INT 7211) 3175 3176 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. Submarine cables. Breakwaters. Mole.
387 (P)/06	B.A. 644	MOZAMBIQUE - Porto de Maputo and Approaches - Depths.
388 (P)/06	B.A. 2895 2896	OMAN - South East Coast - Port Salalah (Mina -Raysut) - Breakwaters.
409 (P)/06	B.A. 81 82	SUDAN - Sawakin - Light-beacons. Berths.
410 (P)/06	B.A. 1235 (INT 7289) 1265 (INT 7291) 2847 2884 (INT 7278) 3773	ARABIA - Approaches to Shaţtal .Arab - Khawr Al Amaya and Khawr Al Kafka -Depths.
430 (P)/06	B.A. 3520 (INT 7200) 3526	GULF OF OMAN - United Arab Emirates - Khawr Fakkan - Works. Breakwater. Buoyage. Anchorage areas.
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.
462 (P)/06	B.A.2837 2847 2858 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.
2. INDIA WEST COAST - INDIAN OCEAN		
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
162(P)/99	217 2002 2052	INDIA –West Coast – New Mangalore & Approaches – Dredging; New Construction
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
371(T)/02	223 262	INDIA – South Coast – Southeast of Kolachel Port – Submerged Object
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
224 (T)/03	21 22 211 255 (INT 7334) 292 2016	INDIA – West Coast – Approaches to Mumbai Harbour – Wreck
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.
379 (T)/03	268 (INT 7353) 273	INDIA – Indian Ocean – Central Lakshadweep – Databuoy.
413 (P)/03	268 (INT 7353) 273 2007	INDIA – Lakshadweep – Androth Island – Breakwater. Beacon.
62 (P)/04	220 259 (INT 7356) 260 (INT 7362) 2004 2045	INDIA – West Coast – Cochin harbour – Buoys.
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.
110 (T)/04	2044	INDIA – West Coast – Gulf of Khambat (Cambay) – Southern Portion – Antenna Tresel Tower.
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.
198 (T)/04	272	INDIA – West Coast – Bombay to Cape Comorin – Data Buoy.
234 (T)/04	2015 2016 211 255 292	INDIA – West Coast – Port of Mumbai – Prongs Reef – Buoys.
235 (T)/04	2004	INDIA – West Coast – Cochin Harbour – Kochi (Cochin) Entrance Channel – Buoyage.
274 (P)/04	2002 (INT 7351)	INDIA – West Coast – Ports of New Mangalore and Mangalore – Deep Draft Berth.
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.
385(T)/04	2004 (INT 7359) 2045 (INT 7360)	INDIA – West Coast – Kochi (Cochin) Harbour – Buoys. Transit mark.
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.
452(T)/04	2004 (INT 7359) 2045 (INT 7360)	INDIA – West Coast – Cochin Harbour – Buoy.
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.
103(T)/05	2016	INDIA – West coast – Inner approaches to Mumbai – Trenching operation.
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.
130(T)/05	2015 (INT 7337) 2016 (INT 7336)	INDIA – West Coast – Port of Mumbai – Submarine pipeline.
157(P)/05	209 2019 2068 2101	INDIA – West Coast – Approaches to Hazira – Hazira Port – Breakwater, Channel, Basin and Berth Pocket
179(T)/05	7702 (INT702)7703 (INT 703)	INDIAN OCEAN – Seychelles Group – Scientific Experiment
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.
304(T)/05	216 2024.	INDIA – West Coast – Honavar Port – Intimation.
322(T)/05	216 217 258 (INT 7348) 2078 .	INDIA – West Coast – Kundapura (Coondapur) – Intimation.
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.
542 (T) /05	22 214 257 293 2043	INDIA – West Coast – Approaches to Vengurla and Redi – Buoy.
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 (INT7022) 2016 (INT 7336) 7705(INT705) 7706 (INT 706)	INDIA – West Coast – Inner Approaches to Mumbai.
294 (T)/06	BA. 4707(INT 707)	INDIAN OCEAN - Ninety East Ridge – Data buoy.
295 (T)/06	22 214 293(INT 7022) 2020 2022 (INT 7345) 2078 (INT 7346) 7705 (INT 705) 7706 (INT 706)	INDIA – West Coast –Arabian sea/ Port of Mormugao – Data Buoy.
296 (T)/06	272	INDIA – Arabian and Lakshadweep seas–Cora Divh to Elikalpeni Bank– Cerbaniani–Data Buoy.
297 (T)/06	217 258 (INT 7348) 2002 (INT 7351) 2052(INT 7350). 7705 (INT 705)	INDIA – West Coast–port of New Mangalore and Mangalore–Buoy.
298 (T)/06	7705 (INT 705)	INDIA OCEAN – Arabian Sea–Data Buoy.
325 (P)/06	257(INT 7343) 216 215 2008	INDIA-West Coast-Karwar harbour and approaches-wreck.
353 (T)/06	2020 2078 (INT7346)	INDIA – West Coast – Port of Mormugao – Buoys
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 – Lightrage 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.
426 (P)/06	293 (INT 7022) 257 (INT 7343) 216.	INDIA – West Coast – Belekeri to Kundapura (Coondapoor) – Buoy.
441 (P)/06	213 256(INT 7340)	INDIA – West Coast – Ratnagiri to Vengurla – Wreck.

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
210(T)/02	4003 402	INDIA – North Andaman Islands – Port Cornwallis – Beacon under construction
431 (T)/02	3011 301	INDIA – East Coast – Hugli River – Buoy
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
65 (T)/03	4005 4017 408	INDIA – Andaman Sea – Noncowry Harbour – beacons
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.
398 (T)/03	472 (INT 7032)	INDIA – Bay of Bengal and Andaman Sea – Nicobar Islands – Buoy.
49 (T)/04	356	INDIA – East Coast – Off False Divi Point- Danger to Navigation.

63 (T)/04	409 4035	INDIA – Andaman Sea – Nicobar Islands – Campbell Bay – Danger to navigation.
76 (P)/04	355 (INT 7405) 3008 3026	INDIA – East Coast – Nizampatnam Anchorage – Construction.
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.
87(P)/05	308 354(INT 7408) 3002(INT 7410)	INDIA – East Coast – Vishakapatnam – Obstruction.
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
132(T)/05	223 263	INDIA – South Coast – Kolachel to Manappad – Seismic Survey.
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.
158(T)/05	313 356 (INT 7400) 3001 (INT 7402) 7706 (INT 706)	INDIA – East Coast – Approaches to Chennai (Madras) – Off Ennore – Data buoy.
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.
182(T)/05	356 (INT 7400).	INDIA – East Coast – Madras to Ramaypatnam – Unexploded charges.
228(T)/05	308 3002 (INT 7410) 3012 (INT 7411)	INDIA – East Coast – Visakhapatnam Harbour – Buoys.
274(T)/05	1032 2929 (INT 7680) 3310 (INT 7690)	TANZANIA – Territorial Waters – Fish havens.
276(T)/05	4012.	INDIA – Andaman Island – Inner Harbour – Port Blair – Beacon.
320(P)/05	2075 , BA Chart 3581.	INDIA - East Coast – Gulf of Mannar – Tuticorin -Reclamation areas. Works. Buoyage. Light Beacons.
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 .
73 (T)/06	31 32 (INT 754) 354 (INT 7408).	INDIA – EAST COAST – Bay of Bengal – Unexploded Charges.
74 (T)/06	31 32 (INT 754) 308 354 (INT 7408).	INDIA – EAST COAST – Off Vishakhapatnam – Unexploded Charges.
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.
229 (P)/06	406 4010.	INDIA – Little Andaman Islands – Butler Bay.
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
408 (T)/06	31 32 (INT 754) 33 .	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Data 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.

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.

Cancelled Notices

Area	Notice No.	Ref. No.
2	223 (T)/01	451/06
2	47 (T)/04	449/06
2	48 (T)/04	449/06
2	321(T)/04	451/06
2	486 (T)/04	450/06
2	323 (T)/05	406 (T)/06
2	367 (T)/05	444 (T)/06
1	539 (P)/05	409 (P)/06
1	203 (P)/06	462 (P)/06
2	255 (T)/06	406 (T)/06
1	326 (P)/06	387 (P)/06
-	356(T)/06	476 (T)/06

SECTION – IV: MARINE INFORMATION

Tsunami Notices

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

Source: NHO, Dehradun

(HJ/NM/Gen)

1. 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 & 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)

1. 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 & Hydrographic Note, INS Sandhayak

(HJ/928/86)

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

Nancowry Island

- | | |
|-------------------------------|----------------------------|
| (a) Stbd hand mark No. 1 | 08° 01'.96N., 93° 32'.85E. |
| (b) Port hand mark No. 2 | 08° 01'.80N., 93° 32'.86E. |
| (c) Port hand mark No. 4 | 08° 01'.82N., 93° 32'.30E. |
| (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. A portion of the approach arm to the jetty was collapsed and the jetty has been damaged and is not fit for use. The debris of the jetty was lying westwards of the approach arm. The breakwater light and the Chisen 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

1. For details of NAVAREA limits and organization/coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2004.
2. NAVAREA Warnings in force: - The serial numbers of all the NAVAREA warnings in force as on 29 Sep 2006, covering the entire world are listed below against the respective NAVAREA

<u>NAVAREA No.</u>	<u>Location</u>	<u>Last NAVAREA Sl. received</u>	
I	N.E. Atlantic	268	2005 series: 402 468. 2006 series: 073 095 221 231 233 235 236 238 240 243 244 245 251 252 254 260 261 264 268.
II	E. Atlantic	289	2006 series: 049 131 181 205 247 265 269 271 278 279 286 289
III	Mediterranean	460	2006 series: 361 383 389 391 397 398 401 408 413 415 422 423 424 425 427 430 434 436 443 444 445 449 451 452 453 454 455 456 458 459 460.
IV	N.W. Atlantic	Nil	2006 series: Nil.
V	W. Atlantic	Nil	2006 series: Nil.
VI	S.W. Atlantic	Nil	2006 series: Nil.
VII	S.E. Atlantic	116	2006 series: 086 099 111 114 116.
VIII	Indian Ocean	603	2005 Series:- 384 2006 Series:- 026 085 174 175 260 269 303 345 356 365 379 380 428 438 474 479 482 501 513 514 516 527 528 531 532 535 538 548 559 564 569 570 573 578 582 583 587 589 593 594 598 599 600 601 602 603
IX	Persian Gulf, Red Sea, NW Arabian Sea	Nil	2005 Series: 120 211 237 2006 series: 011 014 024 025 032 036 047 053 063 076 077 083 093 094 095 101 106 107 109 116 121 143 145 147 148 149 150 157 175 177 179.
X	Australia, New Guinea	Nil	2006 series: 001 009

XI	Malacca Strait, China Sea, N. Pacific	416	1996- 0925 1998- 0655 1999- 0053 0187 0310 0613 2000- 0677 2001- 0182 0775 2003- 0106 0303 0304 2004- 0246 0271 0361 0555 0571 2005- 0005 0025 0271 0307 0322 0331 0332 0335 0345 0351 0395 0474 0481 0497 2006 0005 0007 0008 0037 0050 0052 0058 0060 0069 0075 0083 0090 0123 0127 0139 0149 0168 0224 0241 0250 0251 0262 0276 0277 0303 0305 0339 0343 0347 0348 0356 0359 0368 0370 0371 0372 0373 0374 0376 0377 0385 0389 0390 0393 0400 0406 0407 0408 0412 0414 0416.
XII	N.E. Pacific	Nil	2006 series: Nil
XIII	N.W. Pacific	Nil	2006 series: Nil
XIV	S.W. Pacific	Nil	2006 series: Nil
XV	S.E. Pacific	Nil	Nil
XVI	E. Pacific	Nil	Nil
Hydropacs	Pacific, Indian Ocean	Nil	2006 series: 375 524 1049 1736 1812.
Hydrolants	Atlantic, Mediterranean	Nil	2006 series: 1394 1592.

SECTION – VI: CORRECTIONS TO SAILING DIRECTION

NIL

SECTION – VII: CORRECTIONS TO INDIAN LIST OF LIGHTS

<u>No</u>	<u>Name & Location</u>	<u>Position (Lat-Long)</u>	<u>Charact- eristics</u>	<u>Ht. mts.</u>	<u>Range miles</u>	<u>Structure & Height (mts)</u>	<u>Remarks</u>
D 6892	- Chissioua Mtsongoma. Ldg Lts 174°. Front	12 41.40 S 45 07.70 E	Dir VQ W	28	13	Beacon	Intens 172.5°-175.5°(3°).Rear D6892-1. TE 2006 *
D 7339	Jazireh-ye Hengam	26 37.80 N 55 54.00 E	Fl W 10s	30	18	Square metal tower, concrete base 4 *	Vis 173°-014°(201°). Racon
D 7389-1	- APPROACH CHANNEL. No 1. N	25 18.12 N 51 39.41 E	Q G	..	7	Metal pile structure	Characteristics of beacons liable to change without notice. Reported missing 2006 *
D 7451-4	- No 14	27 40.70 N 48 55.60 E	Fl R 10s				
*	*	*	*	*	*	*	*
D 7451-5	- No 16	27 39.20 N 48 55.80 E	Fl R 10s				
*	*	*	*	*	*	*	*
D 7703	Jazireh-ye Tonb-e Bozorg. Summit (MENAS)	26 16.10 N 55 17.90 E	Fl W 10s	75	18	Metal framework tower 25	<i>fl 0-3. Obscured 077°- 080° (3°) by peaks on Jazireh-ye Tonb-e Kuchek. Racon</i>
	*		*		*		
D 7712	Ra's al Kuh (IN)	25 50.20 N 57 18.50 E	Fl W 10s	44	18	Metal framework tower 20	Racon *
			*		*		
F 0362	Mundra Port. Marine Control Tower	22 43.85 N 69 42.37 E	Fl(2)W 15s	32	19	White structure, black bands 30	<i>fl 0-3, ec 3-5, fl 0-3, ec 10-9.</i> Unreliable (T) 2005. Racon reported 2006 *
F 0436	Sawaibet	20 54.20 N 71 31.60 E	Fl(4)W 30s	44	21	White square masonry tower, red bands 14	<i>(fl 0-3, ec 4-7) x 3, fl 0-3, ec 14-7. Racon. Racon unreliable (T) 2006</i>
	-	..	FR	32	10	..	Vis 063°-300°(237°) *
F 1227	-- Breakwater	6 59.3 N 93 56.2 E	QR				*

F 1679-5	- Tuas View. HVB-11	1 17:39 N 103 37:21 E	Fl Y 2s	Yellow trestle	Marks works in progress. (P) 2001
*	*	*	*	*	*	*	*
F 1736-53	- Changi. Cafhi Jetty. Centre	1 23:42 N 103 59:97 E	F R				
*	*	*	*	*	*	*	*

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS**VOLUME 1 INP 31(1) 2005***(Last correction: Edition No. 17 dated 01 Sep 2006)***NIL****VOLUME 2, 1995***(Last correction: Edition No. 16 dated 16Aug 2006)*Page 07, **SUDAN** section insert:

Nimra Talata Lt Bn Racon	Q	19°38'·62N 37°19'·41E	76095
NorthTowartit Reef Lt Bn Racon	D	19°30'·55N 37°19'·21E	76097
Towartit ReefsLt Bn No7 Racon	B	19°16'·51N 37°23'·22E	76102

BA 37/06 **19/06****BA, VOLUME 3 Part 1, NP 283(1), 2006/07***(Last correction: Edition No. 15 dated 01Aug 2006)***NIL****VOLUME 5, INP 31(5) 1997***(Last correction: Edition No.18 dated 16 Sep 2006)*

Page 184, **INDIA, Western Region, MRSC PORBANDAR, Others column, delete Inmarsat mini--M (IOR) 691900510 and replace by: Inmarsat M (IOR) 691900510**
MRSC VADINAR delete entry and replace by:

MRSC VADINAR	2833 256579	2833 256560	Inmarsat C (IOR) 441900448
			Inmarsat mini—M (IOR) 762484114 (Voice)
			(IOR) 762484115 (Fax)
			(IOR) 762484116 (Data)

BA 36/06 **19/06****VOLUME 6, INP 31, 2005***(Last correction: Edition No. 18 dated 16 Sep 2006)*Page 33, **EGYPT (Red Sea Coast), GENERAL NOTES.**Delete **VESSEL TRAFFIC SERVICE** section.**BA 36/06** **19/06**Page 34, **EGYPT (Red Sea Coast), SAFÂGA, after Pilots and Port section.**

Insert new section as follows:

Vessel Traffic Information Management System

AREA:

The VTIMS area boundaries extend from the port entrance between El Morewood Bn (26°41'·98N 33°59'·81E) and a point N of Spit Reef.

DESCRIPTION:

The VTIMS provides the following navigation assistance services to vessels in the port area:

- (1) Automatic surveillance and tracking of vessels arriving at the port approaches.
- (2) Automatic determination of arrival times at the port.

- (3) Automatic continuous tracking and monitoring of position and speed for all vessels using the port.
- (4) Instantaneous information concerning vessels using the port.
- (5) Compilation of a database for vessel information, navigation rules, traffic flow and navigation reports.
- (6) An efficient means of communication with vessels arriving at the port approaches and vessels entering the port.
- (7) Safety of vessel movements and cargo using the port.

CONTACT DETAILS:

Call: Port Safâga VTC
 VHF Frequency: Ch 16; 11
 Telex: 462299914 SFAG X (Inmarsat C)

HOURS: H24**PROCEDURE:**

- (1) Participation in the VTIMS is compulsory for all vessels over 300 tons.
- (2) Vessels should send the following information via agent to Port Safâga VTC 48h prior to arrival:
 - (a) Vessel's name and nationality, including any previous names
 - (b) DWT, draught and beam
 - (c) Whether vessel intends to enter the port or anchoring outside the port. In the latter case, duration of stay should be advised.
 - (d) Any dangerous cargo on board, if so state quantity and class according to IMO regulations.
- (3) Vessels should report to Port Safâga VTC at least 24h prior to arrival. The report should contain the following information:
 - (a) Vessel's name
 - (b) Nationality
 - (c) Type of vessel
 - (d) Draught
 - (e) GT
 - (f) DWT
- (4) Vessels should contact the VTC on VHF Ch 16, 2h prior to arrival, stating the following information:
 - (a) Position (latitude and longitude)
 - (b) GT and DWT
 - (c) Draught
 - (d) Loaded or not
 - (e) Type of cargo
 - (f) Any defects affecting safety of navigation
 - (g) If entering the port of Safâga for the first time:
 - (i) Date of build
 - (ii) Call sign or IMO number
 - (iii) LOA
 - (iv) Beam
 - (v) Type of engine
- (5) Vessels approaching the port should contact the VTC on VHF Ch 16 to receive instructions. The VTC will instruct the vessel to maintain a listening watch on VHF Ch 11.
- (6) Vessels entering the port should check in with the port on VHF Ch 16 or the port calling channel, and check out with the VTC. On departure, vessels should check out with the port and check in with the VTC.
- (7) Vessels leaving the VTIMS area should check out with the VTC.
- (8) In an emergency, vessels should contact the VTC on VHF Ch 16 or the current working channel.

Page 34, **EGYPT (Red Sea Coast), after SHARM EL SHEIKH entry.**

Insert new entry as follows:

SUEZ, GULF OF

28°55'N 32°53'E

Pilots

NOTE:

No pilotage is required or provided in the Gulf of Suez.

Vessel Traffic Information Management System

AREA:

(1) The VTIMS boundaries extend from a position approximately 5 n miles S of Râs el 'Adabiya (29°51'28N 32°29'05E) to a position E of Shaker I (27°27'20N 34°02'20E).

(2) The VTIMS is divided into two sectors, each with its own Vessel Traffic Centre (VTC). The N Sector ends at Delta 10 Platform (28°37'22N 33°06'68E) at Râs Sherâtîb, where the South Sector commences.

(3) The North Sector Vessel Traffic Centre (VTC) is located at Râs el 'Adabiya (29°51'28N 32°29'05E). The South Sector VTC is located at False Râs Gharîb (28°30'91N 32°57'66E).

DESCRIPTION:

The VTIMS provides the following navigational assistance services to vessels in the Gulf of Suez area:

- (1) Automatic surveillance and tracking of vessels arriving at the Gulf of Suez approaches.
- (2) Automatic determination of arrival times at ports.
- (3) Automatic continuous tracking and monitoring of position and speed for all vessels transiting the Gulf of Suez.
- (4) Instantaneous information concerning vessels transiting the Gulf of Suez.
- (5) Compilation of a database for vessel information, transit regulations, traffic flow and navigation reports.
- (6) An efficient means of communication with vessels arriving at and transiting the Gulf of Suez.
- (7) Safe transit through the Gulf of Suez for vessels and cargo.

CONTACT DETAILS:

False Râs Gharîb VTC

Call: False Râs Gharîb VTC

VHF Frequency: Ch 16; 61

Telephone: +20(0)65 3626835

+20(0)65 3626836

Fax: +20(0)65 3626670

Telex: 462299913 GHAR X (Inmarsat C)

Râs el 'Adabiya VTC

Call: Râs el 'Adabiya VTC

VHF Frequency: Ch 16; 20

Telephone: +20(0)62 3316340

Fax: +20(0)62 3316341

+20(0)62 3316342

Telex: 462299912 ADBA X (Inmarsat C)

HOURS :H 24

PROCEDURE:

- (1) Participation in the VTIMS is compulsory for all vessels over 300 tons.
- (2) Vessels should send the following information via agent to the appropriate Vessel Traffic Centre (VTC) 48h prior to arrival:
 - (a) Vessel's name and nationality, including any previous names
 - (b) DWT, draught and beam
 - (c) Whether vessel intends to transit the Gulf of Suez or berth/anchor in a port in the area. In the latter case, duration of stay should be advised
 - (d) ETA
 - (e) Any dangerous cargo onboard, if so state quantity and class according to IMO regulations

(3) Vessels should request permission from the appropriate VTC to transit the Gulf of Suez not later than 24h prior to the transit date. The request should contain the following information:

- (a) Vessel's name
- (b) Nationality
- (c) Type of vessel
- (d) Draught
- (e) GT
- (f) DWT

(4) Vessels should contact the appropriate VTC on VHF Ch 16, 2h prior to arrival at the Gulf of Suez TSS, stating the following information:

- (a) Position (latitude and longitude)
- (b) GT and DWT
- (c) Draught
- (d) Loaded or not
- (e) Type of cargo
- (f) Any defects affecting safety of navigation
- (g) If transiting the Gulf of Suez for the first time:
 - (i) Date of build
 - (ii) Call sign or IMO number
 - (iii) LOA
 - (iv) Beam
 - (v) Type of engine

(5) On arrival at the area, vessels should call the appropriate VTC as follows:

- (a) **Southbound vessels:** All vessels departing the Suez Canal and approaching latitude 29°50'N should contact Râs el 'Adabîya VTC on VHF Ch 16 to receive instructions.
- (b) **Northbound vessels:** All vessels departing the Red Sea and approaching latitude 27°20'N should contact False Râs Gharîb VTC on VHF Ch 16 to receive instructions.

(6) Vessels changing sectors within the VTIMS area should check in and check out with the appropriate VTC.

(7) Vessels entering ports within the VTIMS area should report directly to the port on VHF Ch 16 or the port calling channel, and check out with the appropriate VTC.

(8) Vessels leaving the VTIMS area should check out with the appropriate VTC.

(9) In an emergency, vessels should contact the appropriate VTC on VHF Ch 16 or current working channel.

BA 36/06

19/06

BA, VOLUME 7, 1999/00-PART 2

(Last correction: Edition No. 16 dated 16 Aug 2000)

NIL

VOLUME 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: - nhd@sancharnet.in incho@dataone.in; incho_marinesafety@dataone.in
incho_navwarnings@dataone.in; incho_helpdesk@dataone.in
Fax No.: (0135) 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)

(To accompanying Form I.H. 102)

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)	

<p>8. TUGS</p> <ul style="list-style-type: none"> a) Number available b) Max. hp. c) Requesting authority d) Availability times e) Communication with Tugs f) Hiring Charges 	
<p>9. BERTHING AND WHARVES</p> <ul style="list-style-type: none"> a) Number of berths available b) Length, c) Depth alongside d) Facilities available. e) Procedures for requesting berthing and hiring charges 	
<p>10. CARGO HANDLING</p> <ul style="list-style-type: none"> a) Containers b) Lighters c) Roll on/ roll off, etc. 	
<p>11. CRANES</p> <ul style="list-style-type: none"> a) Brief details and max. capacity. b) Container handling facilities 	
<p>12. BRIDGES</p> <p>Vertical clearances</p>	
<p>13. REPAIRS</p> <ul style="list-style-type: none"> 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 	
<p>14. RESCUE AND DISTRESS</p> <p>Salvage, lifeboat, coastguard, etc.</p>	
<p>15. SUPPLIES</p> <ul style="list-style-type: none"> a) Fuel with type and quantities available. b) Freshwater and rate of supply. c) Provisions d) Chart Agents 	
<p>16. SERVICES</p> <ul style="list-style-type: none"> 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 	
<p>17. COMMUNICATIONS</p> <ul style="list-style-type: none"> 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**

PO Box No. 75,
Dehradun- 248001
(UTTARANCHAL), INDIA

E Mail : nhd@sancharnet.in; inho@dataone.in / inho_marinesafety@dataone.in
inho_navwarnings@dataone.in / inho_helpdesk@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 **E Mail:** incho@dataone.in / incho_marinesafety@dataone.in
 107 A, Rajpur Road incho_navwarnings@dataone.in /
 PO Box No. 75, incho_helpdesk@dataone.in
 Dehradun- 248001 **Fax No.:** 91- 0135- 2748373
 (UTTARANCHAL), INDIA **WEB:** 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	Metres	Inches	
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	Inches	Feet	Metres	Factors		
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	Fthms	Metres	Feet	Metres		
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	Factor = 1 m = 3.280839895 feet or					
37	121.391	20.232	93	305.118	50.853	39370078740 inches = 0.546806649 fthm					
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						