



INDIAN NOTICES TO MARINERS FOR 2006

(PUBLISHED FORTNIGHTLY ON 1ST & 16TH OF EVERY MONTH)

EDITION No. 01 DATED 01 JAN 2006

(CONTAIN NOTICES 32 TO 60)

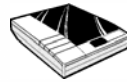
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Mariner's Obligation and A Chart maker's Plea: Observing Changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are, therefore, 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 1st 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. A summary of corrections in force will be issued in Section VI of the Edition dated 1st January, 1st April, 1st July and 1st October.

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 11 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.

SECTION – I
List of charts affected by
the Notices 32 to 60 contained in this Edition

INDIAN H.O. Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
21	2	47, 48	15	32	34, 55 (P)
22 (INT 752)	3	47, 48, 49, 50, 59 (T)	16	32	34, 55 (P)
23	4	47, 59 (T)	58 (INT 7314)	41	36
31	5	52, 54	1358	45	44
32 (INT 754)	5	47, 51, 59 (T)	2373	32	32
33	5	59 (T)	2375	32	35
41	6	59 (T)	2403	45	39
203 (INT 7319)	2	58 (P)	2777	45	45
211	3	47, 48	2887 (INT 7232)	40	41, 42
215	3	50	2889 (INT 7211)	40	41
250	2	50	2917	45	46
216	3	50	3175	40	41
217	3	49	3176	40	41
250	2	36	3412 (INT 7227)	40	32, 41
255 (INT 7334)	3	47, 48	3782	40	40, 56 (P)
256 (INT 7340)	3	47	3787 (INT 7245)	40	40, 56 (P)
257 (INT 7343)	3	47, 50	3937	45	32
258 (INT 7348)	3	47, 49	3946	45	44
259 (INT 7356)	3	47	3948	46	39
260 (INT 7362)	3	47	3950	40	40, 56 (P)
261	4	47	4034	45	38
263 (INT 7383)	4	47, 59 (T)	4035	45	37, 38
264	4	47			
268 (INT 7353)	4	47			
269	4	43, 57 (P)			
271	2	48			
272	4	47, 49			
289	1	41, 42			
291	2	48			
292 (INT 7021)	2	47, 48			
293 (INT 7022)	2	47, 48, 49, 50			
308	5	32			
352 (INT 7416)	5	32, 54			
353 (INT 7413)	5	54			
354 (INT 7408)	5	32, 51			
407	6	59(T)			
471	6	59 (T)			
472 (INT 7032)	6	59 (T)			
2002 (INT 7351)	3	49			
2008	3	50			
2016 (INT 7336)	3	47, 48			
2049	2	36			
2052 (INT 7350)	3	49			
2060	2	58 (P)			
2068	2	58 (P)			
2091	1	36			
3002 (INT 7410)	5	32			
3009	5	51			
3012 (INT 7411)	5	32			
4008	6	53			
7705 (INT 705)	1	47, 48			
7706 (INT 706)	1	47, 48			
7707 (INT 707)	1	47			
8004	1	41			

SECTION – II: PERMANENT NOTICES***32 (01/06)****MISCELLANEOUS UPDATES TO CHARTS**

<u>Chart No.</u>	<u>Last Notice</u>	<u>Details</u>
BA 2373	601/05	Refer INM 601/05, read previous update as: 600/05.
BA 3937	608/05	Refer INM 608/05, read previous update as: 607/05.
BA 3412(INT 7227)	611/05	Refer INM 611/05, read previous update as: 597/05.
352(INT 7416)	617/05	Refer INM 617/05, read previous update as: 438/04.
354(INT 7408), 308, 3002 (INT 7410), 3012(INT 7411)	618/05	Refer INM 618/05, read previous update as: 615/05.

33 (01/06)*MISCELLANEOUS UPDATES TO INDIAN NOTICES TO MARINERS
SPECIAL EDITION 2004**

Source: HQ Army Defence College

Page 76, Serial No 12. Gopalpur

The Position of weapon firing area to change as:

- 19° 37′.05N., 85° 27′.86E
- 19° 14′.60N., 84° 53′.70E
- 19° 12′.61N., 84° 51′.56E
- 18° 46′.05N., 85° 22′.86E
- An arc of 75 Km radius joining points (a) and (d)

34 (01/06) SAUDI ARABIA - Red Sea Coast - Jizan - Legends.

Source: BA Notice 5722/05.

(HJ1033/67)

BA Chart 15 [previous update 286/03]Amend legend to, *Jizan Approach Channel (see INM 55(P)/06)*,
centred on:

16° 55′.2N., 42° 24′.0E.

BA Chart 16 [previous update NE 22/06/2000]Insert legend, *See INM 55(P)/06*, centred on:

16° 54′.6N., 42° 32′.6E.

16° 50′.1N., 42° 33′.5E.

Amend legend to, *Jizan Approach Channel (see INM 55(P)/06)*,
centred on:

16° 53′.8N., 42° 25′.7E.

35 (01/06) EGYPT -Red Sea Coast - El Gouna and Abu Tig - Legend. Marina.

Source: BA Notice 5741/05.

(HJ/1134/76)

BA Chart 2375 [previous update 500/05]Amend legend to, *Abu Tig - El Gouna*, centred on:

27° 24′.75N., 33° 40′.30E.

Delete symbol, marina

27° 22′.60N., 33° 40′.12E.

36 (01/06) PAKISTAN - Approaches to Port Muhammad Bin Qasim - Approaches to Phitti Creek - Ahsan Channel - Wreck.

Source: BA Notice 5734/05.
(HJ/1131/42)

Chart 250 [previous update 345/04]

Insert g 24° 37'·4N., 67° 06'·3E.

Chart 2049 [previous update 345/04]

Insert g 24° 37'·4N., 67° 06'·3E.

Chart 2091 (plan, Approaches to Phitti Creek) [previous update 256/04]

Insert g 24° 37'·35N., 67° 06'·27E.


BA Chart 58 (INT 7314) [previous update 317/05]

Insert g 24° 37'·35N., 67° 06'·27E.

37 (01/06) SINGAPORE - Pasir Panjang Terminal and Pulau Bukom - Selat Sinki - Dredged depths. Legend. Rock. Depth.

Source: BA Notice 5743/05.
(HJ/927/16)

BA Chart 4035 [previous update 586/05]

Insert  (5₅) (a) 1° 14'·492N., 103° 45'·600E.
dredged depth, 16.0m (2005) centred on: 1° 16'·230N., 103° 45'·980E.

1° 16'·130N., 103° 46'·150E.

Delete  (5₇), close WNW of: (a) above

38 (01/06) SINGAPORE -Pasir Panjang Terminal - Dredged depth.

Source: BA Notice 5745/05.
(HJ/927/16)

BA Chart 4034 [previous update 263/05]

Insert dredged depth 15.0m (2005), orientated SW/NE, centred on: 1° 16'·653N., 103° 46'·592E.

BA Chart 4035 [previous update 37/06]

Insert dredged depth 15.0m (2005), orientated SW/NE, centred on: 1° 16'·653N., 103° 46'·592E.

39 (01/06) INDONESIA - Sumatera - Selat Durian - Karang Melvill - Legend.

Source: BA Notice 5846/05.
Light List Vol. F, 1418
(HJ/927/06)

BA Chart 2403 [previous update 608/05]

Delete legend, (exting), at light 0° 51'·8N., 103° 36'·6E.

BA Chart 3948 [previous update 582/05]

Delete legend, (exting), at light 0° 51'·88N., 103° 36'·55E.

40 (01/06) QATAR - Approaches to Doha (Ad Dawhah)- Approaches to Mesaieed (Musay'Id or Umm Said)- Legends.

Source: BA Notice 5867/05.
(HJ/1132/58)

BA Chart 3782 [previous update 551/05]

Insert legend, See INM 56(P)/06, centred on: 25° 16'·80N., 51° 44'·50E.

Amend legend to, See INM 56(P)/06, centred on: 25° 18'·50N., 51° 36'·80E.

25° 15'·52N., 51° 39'·90E.

Delete legend, See INM 535(P)/05, centred on: 25° 16'·67N., 51° 42'·98E.

40 (01/06) QATAR - Approaches to Doha (Ad Dawhah)- Approaches to Mesaieed (Musay'Id or Umm Said)- Legends. (continued)

BA Chart 3787 (INT 7245) [previous update 551/05]

Insert	legend, <i>See INM 56(P)/06</i> , centred on:	25° 18'·00N., 51° 47'·70E. 25° 05'·50N., 51° 42'·90E.
Amend	legend to, <i>See INM 56(P)/06</i> , centred on:	25° 18'·50N., 51° 36'·78E. 25° 17'·90N., 51° 42'·50E. 25° 14'·75N., 51° 39'·40E.

BA Chart 3950 [previous update 501/05]

Insert	legend, <i>See INM 56(P)/06</i> , centred on:	25° 18'·10N., 51° 55'·00E. 25° 06'·00N., 51° 42'·80E.
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41 (01/06) UNITED ARAB EMIRATES - Approaches to Dubai (Dubayy) - Pilot Boarding Place North-westwards - Wreck.

Source: BA Notice 5893/05.
(HJ/1132/54)

Chart 289 [previous update 613/05]

Delete	 Wk	25° 17'·8N., 55° 12'·3E.
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Chart 8004 [previous update 553/05]

Delete	 Wk	25° 17'·8N., 55° 12'·3E.
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BA Chart 2887 (INT 7232) [previous update 613/05]

Delete	 Wk	25° 17'·8N., 55° 12'·3E.
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BA Chart 2889 (INT 7211) [previous update 613/05]

Delete	 Wk	25° 17'·8N., 55° 12'·3E.
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BA Chart 3175 [previous update 553/05]

Delete	 Wk	25° 17'·77N., 55° 12'·27E.
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BA Chart 3176 [previous update 143/05]

Delete	 Wk	25° 17'·77N., 55° 12'·27E.
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BA Chart 3412 (INT 7227) [previous update 611/05]

Delete	 Wk	25° 17'·77N., 55° 12'·27E.
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42 (01/06) UNITED ARAB EMIRATES - IRAN - ir Abu-Nu'ayr Westwards and North-westwards and Jazireh-ye Sirri Southwards and South-westwards -Depths. Wells.

Source: BA Notice 5894/05.
(HJ/1132/55)

Chart 289 [previous update 41/05]

Insert	depth 55	25° 47'·5N., 54° 19'·7E.
	H Well	25° 33'·3N., 53° 53'·5E.
		25° 15'·3N., 54° 03'·7E.
		25° 33'·9N., 54° 06'·2E.
		25° 27'·7N., 54° 11'·6E.
		25° 25'·9N., 54° 39'·2E.
	 Well	

42 (01/06) UNITED ARAB EMIRATES - IRAN - ir Abu-Nu'ayr Westwards and North-westwards and Jazireh-ye Sirri Southwards and South-westwards -Depths. Wells. (continued)

BA Chart 2887(INT 7232) [previous update 41/05]

Insert	depth 55	(a)	25° 47'·5N., 54° 19'·7E.
	depth 35 and extend 50m contour S to enclose		25° 52'·4N., 54° 32'·8E.
	H Well PA		25° 33'·3N., 53° 53'·5E.
			25° 15'·3N., 54° 03'·7E.
			25° 33'·9N., 54° 06'·2E.
			25° 27'·7N., 54° 11'·6E.
			25° 26'·7N., 54° 39'·1E.
			25° 25'·9N., 54° 39'·2E.
Delete	depth 64, close E of:	(a)	above



Well



Well

43 (01/06) INDIAN OCEAN - British Indian Ocean Territory - Chagos Archipelago - Legends.

Source: BA Notice 5869/05.

(HJ/830/57)

Chart 269 [previous update 231/02]

Insert	legend, Shoal Depths (see INM 57(P)/06), centred on:		4° 53'·0S., 72° 31'·5E.
			7° 05'·0S., 71° 19'·0E.
			7° 39'·5S., 70° 55'·5E.

44 (01/06) MALACCA STRAIT - Gosong Pyramid - Depths.

Source: BA Notice 5920/05.

(HJ/927/28)

BA Chart 1358 [previous update 582/05]

Insert	depth 13 ₉ and extend 20m contour NE to enclose	(a)	2° 26'·40N., 101° 31'·60E.
Delete	depth 14 ₄ , adjacent to:		(a) above

BA Chart 3946 [previous update 294/05]

Insert	depth 13 ₉ and extend 20m contour NE to enclose	(a)	2° 26'·40N., 101° 31'·60E.
Delete	depth 14 ₄ , close SSE of :		(a) above

45 (01/06) INDONESIA - Sumatera - North West Coast - Pulau Rondo North-westwards - Depth.

Source: BA Notice 5959/05.

(HJ/928/65)

BA Chart 2777 [previous update 455/05]

Insert	depth 140 enclosed by 200m approximate contour, PA	(a)	6° 17'·4N., 94° 57'·9E.
Delete	depth 922, close N of:		(a) above

46 (01/06) INDONESIA - Sumatera - North West Coast - Banda Aceh - Legend.

Source: BA Notice 5960/05.

(HJ/928/54)

BA Chart 2917 (plan A, Selat Benggala and Alur Pelayaran Malaka) [previous update 453/05]


Insert	legend, Numerous Wrecks, between:		5° 35'·10N., 95° 18'·10E.
			5° 36'·40N., 95° 19'·40E.

***47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable.**

Source: VSNL

(HJ/1030/97)

Note : All positions are in WGS 84

Chart 21 [*previous update 603/05*]Insert submarine cable, , joining:

19° 01'.27N., 72° 49'.80E

(shore)

19° 02'.04N., 72° 48'.95E

19° 00'.14N., 72° 43'.54E

18° 59'.77N., 72° 43'.14E

18° 59'.28N., 72° 42'.51E

18° 58'.49N., 72° 39'.97E

18° 56'.74N., 72° 34'.77E

18° 55'.30N., 72° 32'.82E

18° 53'.00N., 72° 30'.00E

18° 51'.75N., 72° 27'.20E

18° 49'.85N., 72° 22'.18E

18° 50'.71N., 72° 20'.16E

18° 49'.80N., 72° 15'.17E

18° 48'.16N., 72° 10'.37E

18° 46'.13N., 72° 08'.39E

18° 43'.79N., 72° 08'.00E

18° 41'.46N., 72° 07'.32E

18° 37'.28N., 72° 00'.57E

18° 32'.00N., 71° 57'.00E

18° 20'.81N., 71° 49'.72E

18° 25'.59N., 71° 52'.82E

18° 24'.78N., 71° 52'.30E


18° 09'.72N., 71° 45'.37E

18° 05'.78N., 71° 43'.47E

17° 41'.96N., 71° 33'.47E

17° 30'.00N., 71° 31'.05E

(S border)

Chart 22 (INT 752) [*previous update 325/05*]Insert submarine cable, , joining:

19° 01'.27N., 72° 49'.80E

(shore)

19° 02'.04N., 72° 48'.95E

19° 00'.14N., 72° 43'.54E

18° 59'.77N., 72° 43'.14E

18° 59'.28N., 72° 42'.51E

18° 58'.49N., 72° 39'.97E

18° 56'.74N., 72° 34'.77E

18° 55'.30N., 72° 32'.82E

18° 53'.00N., 72° 30'.00E

18° 51'.75N., 72° 27'.20E

18° 49'.85N., 72° 22'.18E


18° 50'.71N., 72° 20'.16E

18° 49'.80N., 72° 15'.17E

***47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable. (continued)**


18° 48'.16N., 72° 10'.37E
 18° 46'.13N., 72° 08'.39E
 18° 43'.79N., 72° 08'.00E
 18° 41'.46N., 72° 07'.32E
 18° 37'.28N., 72° 00'.57E
 18° 32'.00N., 71° 57'.00E
 18° 20'.81N., 71° 49'.72E
 18° 25'.59N., 71° 52'.82E
 18° 24'.78N., 71° 52'.30E
 18° 09'.72N., 71° 45'.37E
 18° 05'.78N., 71° 43'.47E
 17° 41'.96N., 71° 33'.47E
 16° 55'.58N., 71° 17'.83E
 16° 34'.41N., 71° 19'.96E
 14° 00'.21N., 72° 51'.74E
 13° 32'.64N., 73° 00'.35E
 09° 55'.23N., 75° 00'.17E
 09° 47'.44N., 75° 01'.32E
 09° 14'.91N., 74° 44'.48E
 09° 00'.05N., 74° 47'.08E
 08° 42'.22N., 75° 02'.90E
 08° 24'.00N., 75° 07'.90E
 08° 00'.02N., 75° 31'.92E
 07° 31'.36N., 76° 12'.99E
 07° 02'.30N., 76° 51'.30E
 06° 49'.74N., 77° 40'.48E
 06° 50'.00N., 78° 00'.00E
 (E border)

Chart 23 [previous update 560/05]

Insert submarine cable, , joining:

08° 20'.00N., 75° 12'.00E
 (N border)
 08° 14'.71N., 75° 13'.38E
 08° 09'.46N., 75° 20'.41E
 08° 00'.02N., 75° 31'.92E
 07° 58'.90N., 75° 44'.03E
 07° 45'.11N., 75° 59'.07E
 07° 31'.36N., 76° 12'.99E
 07° 02'.30N., 76° 51'.30E
 06° 55'.20N., 77° 08'.31E
 06° 49'.74N., 77° 40'.48E
 06° 52'.73N., 78° 23'.81E
 06° 53'.42N., 78° 33'.90E
 06° 53'.85N., 78° 49'.61E
 06° 54'.37N., 79° 09'.10E
 06° 52'.91N., 79° 20'.46E
 06° 51'.09N., 79° 25'.03E
 06° 45'.68N., 79° 30'.29E
 (Branching Unit)


47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable. (continued)*Chart 32 (INT 754)** [previous update 376/04]

Insert submarine cable, , joining:

07° 58'.90N., 75° 45'.00E
(W border)

07° 45'.11N., 75° 59'.07E
07° 31'.36N., 76° 12'.99E
07° 02'.30N., 76° 51'.30E
06° 55'.20N., 77° 08'.31E
06° 49'.74N., 77° 40'.48E
06° 52'.73N., 78° 23'.81E
06° 53'.42N., 78° 33'.90E
06° 53'.85N., 78° 49'.61E
06° 54'.37N., 79° 09'.10E
06° 52'.91N., 79° 20'.46E
06° 51'.09N., 79° 25'.03E
06° 45'.68N., 79° 30'.29E
(Branching Unit)


Chart 211 [previous update 591/05]

Insert submarine cable, , joining:

19° 01'.27N., 72° 49'.80E
(shore)

19° 02'.04N., 72° 48'.95E
19° 00'.14N., 72° 43'.54E
18° 59'.77N., 72° 43'.14E
18° 59'.28N., 72° 42'.51E
18° 58'.49N., 72° 39'.97E
18° 56'.74N., 72° 34'.77E
18° 55'.30N., 72° 32'.82E
18° 53'.00N., 72° 30'.00E
18° 51'.75N., 72° 27'.20E
18° 49'.85N., 72° 22'.18E
18° 50'.71N., 72° 20'.16E
18° 49'.80N., 72° 15'.17E
18° 48'.16N., 72° 10'.37E
18° 46'.13N., 72° 08'.39E
18° 43'.79N., 72° 08'.00E
(S border)

Chart 255 (INT 7334) [previous update 591/05]

Insert submarine cable, , joining:

19° 01'.27N., 72° 49'.80E
(shore)

19° 02'.04N., 72° 48'.95E
19° 00'.14N., 72° 43'.54E
18° 59'.77N., 72° 43'.14E
18° 59'.28N., 72° 42'.51E
18° 58'.49N., 72° 39'.97E
18° 56'.74N., 72° 34'.77E
18° 55'.30N., 72° 32'.82E

***47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable. (continued)**

18° 53'.00N., 72° 30'.00E
 18° 51'.75N., 72° 27'.20E
 18° 49'.85N., 72° 22'.18E
 18° 50'.71N., 72° 20'.16E
 18° 49'.80N., 72° 15'.17E
 18° 48'.16N., 72° 10'.37E
 18° 46'.13N., 72° 08'.39E
 18° 43'.79N., 72° 08'.00E
 18° 41'.46N., 72° 07'.32E
 18° 37'.28N., 72° 00'.57E
 18° 32'.00N., 71° 57'.00E
 18° 25'.59N., 71° 52'.82E
 18° 24'.78N., 71° 52'.30E
 18° 15'.00N., 71° 48'.30E

(S border)

Chart 256 (INT 7340) [previous update 494/04]

Insert submarine cable, ~~~~, joining:

18° 29'.00N., 71° 55'.00E
 (N border)

18° 25'.59N., 71° 52'.82E
 18° 24'.78N., 71° 52'.30E
 18° 23'.47N., 71° 51'.50E

(W border)

Chart 257 (INT 7343) [previous update 589/05]

Insert submarine cable, ~~~~, joining:

13° 59'.50N., 72° 52'.00E
 (W border)

13° 57'.07N., 72° 52'.70E
 13° 43'.39N., 72° 56'.98E
 13° 32'.64N., 73° 00'.35E
 13° 29'.98N., 73° 01'.58E
 13° 26'.63N., 73° 03'.58E
 13° 20'.00N., 73° 07'.20E

(S border)

Chart 258 (INT 7348) [previous update 489/05]

Insert submarine cable, ~~~~, joining:

11° 54'.25N., 73° 55'.50E
 (W border)

11° 49'.16N., 73° 58'.33E
 11° 35'.23N., 74° 05'.50E
 11° 21'.41N., 74° 12'.59E
 11° 13'.00N., 74° 15'.99E

(S border)

47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable. (continued)*Chart 259 (INT 7356)** [previous update 136/05]

Insert submarine cable, ~~~~, joining: 10° 26'.25N., 74° 42'.00E
(W border)

10° 24'.85N., 74° 42'.60E
09° 55'.23N., 75° 00'.17E
09° 52'.69N., 75° 01'.40E
09° 50'.19N., 75° 01'.87E
09° 47'.44N., 75° 01'.32E
09° 39'.53N., 74° 53'.71E
09° 25'.72N., 74° 47'.20E
09° 24'.45N., 74° 46'.88E
09° 14'.91N., 74° 44'.48E
09° 00'.05N., 74° 47'.08E
08° 56'.55N., 74° 47'.63E
08° 51'.00N., 74° 50'.37E
(S border)

Chart 260 (INT 7362) [previous update 362/04]

Insert submarine cable, ~~~~, joining: 07° 59'.N., 75° 42'.00E
(W border)

07° 45'.11N., 75° 59'.07E
07° 31'.36N., 76° 12'.99E
07° 12'.00N., 76° 38'.00E
(S border)

Chart 261 (INT 7362) [previous update 362/04]

Insert submarine cable, ~~~~, joining: 08° 31'.00N., 75° 06'.00E
(N border)

08° 24'.00N., 75° 07'.90E
08° 20'.23N., 75° 10'.14E
08° 14'.71N., 75° 13'.38E
08° 09'.46N., 75° 20'.41E
08° 00'.02N., 75° 31'.92E
07° 58'.90N., 75° 44'.03E
07° 45'.11N., 75° 59'.07E
07° 31'.36N., 76° 12'.99E
07° 02'.30N., 76° 51'.30E
06° 55'.20N., 77° 08'.31E
06° 51'.19N., 77° 24'.81E
06° 50'.50N., 77° 34'.00E
(E border)

47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable. (continued)*Chart 263 (INT 7383) [previous update 136/05]**Insert submarine cable, , joining:06° 52'.80N., 77° 14'.40E
(W border)

06° 52'.01N., 77° 15'.94E

06° 51'.19N., 77° 24'.81E

06° 49'.74N., 77° 40'.48E

06° 52'.73N., 78° 23'.81E

06° 53'.42N., 78° 33'.90E

06° 53'.85N., 78° 49'.61E


06° 54'.37N., 79° 09'.10E

06° 52'.91N., 79° 20'.46E

06° 51'.09N., 79° 25'.03E

06° 45'.68N., 79° 30'.29E

(Branching unit)

Chart 264 [previous update 226/04]Insert submarine cable, , joining:06° 54'.40N., 79° 10'.00E
(W border)


06° 54'.37N., 79° 09'.10E

06° 52'.91N., 79° 20'.46E

06° 51'.09N., 79° 25'.03E

06° 45'.68N., 79° 30'.29E

(Branching unit)

Chart 268 (INT 7353) [previous update 107/05]Insert submarine cable, , joining:11° 44'.00N., 74° 00'.70E
(N border)

11° 35'.23N., 74° 05'.50E

11° 21'.41N., 74° 12'.59E

11° 03'.79N., 74° 21'.63E


11° 01'.37N., 74° 23'.03E

10° 56'.91N., 74° 26'.22E

10° 54'.36N., 74° 28'.06E

10° 43'.40N., 74° 34'.00E

(E border)

Chart 272 [previous update 489/05]Insert submarine cable, , joining:14° 01'.30N., 72° 51'.37E
(N border)

14° 00'.21N., 72° 51'.74E

13° 57'.07N., 72° 52'.70E

13° 43'.39N., 72° 56'.98E

13° 32'.64N., 73° 00'.35E

13° 29'.98N., 73° 01'.58E

13° 26'.63N., 73° 03'.58E

13° 06'.27N., 73° 15'.76E

12° 47'.78N., 73° 26'.76E

12° 26'.07N., 73° 39'.33E

*47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable. (continued)


11° 49'.16N., 73° 58'.33E

11° 35'.23N., 74° 05'.50E

11° 21'.41N., 74° 12'.59E

11° 01'.30N., 74° 22'.20E

(S border)

Chart 292 (INT 7021) [previous update 591/05]Insert submarine cable, , joining:

19° 01'.27N., 72° 49'.80E

(shore)

19° 01'.27N., 72° 49'.80E

19° 02'.04N., 72° 48'.95E

19° 00'.14N., 72° 43'.54E

18° 59'.77N., 72° 43'.14E

18° 59'.28N., 72° 42'.51E

18° 58'.49N., 72° 39'.97E

18° 56'.74N., 72° 34'.77E

18° 55'.30N., 72° 32'.82E

18° 53'.00N., 72° 30'.00E

18° 51'.75N., 72° 27'.20E

18° 49'.85N., 72° 22'.18E

18° 50'.71N., 72° 20'.16E

18° 49'.80N., 72° 15'.17E

18° 48'.16N., 72° 10'.37E

18° 46'.13N., 72° 08'.39E

18° 43'.79N., 72° 08'.00E

18° 41'.46N., 72° 07'.32E

18° 37'.28N., 72° 00'.57E

18° 32'.00N., 71° 57'.00E

18° 25'.59N., 71° 52'.82E

18° 24'.78N., 71° 52'.30E

18° 20'.81N., 71° 49'.72E

18° 09'.72N., 71° 45'.37E

18° 05'.78N., 71° 43'.47E

17° 41'.96N., 71° 33'.47E

17° 40'.88N., 71° 33'.01E

17° 39'.22N., 71° 32'.32E

17° 38'.87N., 71° 32'.18E

17° 37'.52N., 71° 31'.70E

17° 37'.15N., 71° 31'.47E

17° 34'.03N., 71° 30'.14E


17° 31'.26N., 71° 28'.98E

17° 24'.53N., 71° 28'.12E

17° 23'.70N., 71° 28'.19E

17° 23'.07N., 71° 28'.03E

(S border)

47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable. (continued)*Chart 293 (INT 7022)** [previous update 591/05]Insert submarine cable, , joining:

19° 01'.27N., 72° 49'.80E

(shore)

19° 02'.04N., 72° 48'.95E

19° 00'.14N., 72° 43'.54E

18° 59'.77N., 72° 43'.14E

18° 59'.28N., 72° 42'.51E

18° 58'.49N., 72° 39'.97E

18° 56'.74N., 72° 34'.77E

18° 55'.30N., 72° 32'.82E

18° 53'.00N., 72° 30'.00E

18° 51'.75N., 72° 27'.20E

18° 49'.85N., 72° 22'.18E

18° 50'.71N., 72° 20'.16E

18° 49'.80N., 72° 15'.17E

18° 48'.16N., 72° 10'.37E

18° 46'.13N., 72° 08'.39E

18° 43'.79N., 72° 08'.00E

18° 41'.46N., 72° 07'.32E

18° 37'.28N., 72° 00'.57E

18° 32'.00N., 71° 57'.00E

18° 25'.59N., 71° 52'.82E

18° 24'.78N., 71° 52'.30E

18° 20'.81N., 71° 49'.72E

18° 09'.72N., 71° 45'.37E

18° 05'.78N., 71° 43'.47E

17° 41'.96N., 71° 33'.47E

17° 40'.88N., 71° 33'.01E

17° 39'.22N., 71° 32'.32E

17° 38'.87N., 71° 32'.18E

17° 37'.52N., 71° 31'.70E

17° 37'.15N., 71° 31'.47E

17° 34'.03N., 71° 30'.14E

17° 31'.26N., 71° 28'.98E

17° 24'.53N., 71° 28'.12E

17° 23'.70N., 71° 28'.19E

17° 23'.07N., 71° 28'.03E

16° 57'.44N., 71° 17'.96E

16° 55'.58N., 71° 17'.83E

16° 34'.41N., 71° 19'.96E

15° 31'.07N., 72° 00'.60E

14° 01'.21N., 72° 51'.37E

14° 00'.21N., 72° 51'.74E

13° 57'.07N., 72° 52'.70E

13° 43'.39N., 72° 56'.98E

***47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable. (continued)**

13° 32'.64N., 73° 00'.35E
 13° 29'.98N., 73° 01'.58E
 13° 26'.63N., 73° 03'.58E
 13° 06'.27N., 73° 15'.76E
 12° 47'.78N., 73° 26'.76E
 12° 44'.00N., 73° 29'.20E
 (S border)

Chart 2016 (INT 7336) [previous update 562/05]

Insert submarine cable, ~~~~, joining:

19° 01'.27N., 72° 49'.80E
 (shore)
 19° 02'.04N., 72° 48'.95E
 19° 00'.14N., 72° 43'.54E
 18° 59'.77N., 72° 43'.14E
 18° 59'.28N., 72° 42'.51E
 18° 58'.49N., 72° 39'.97E
 18° 56'.74N., 72° 34'.77E
 18° 55'.30N., 72° 32'.82E
 18° 53'.00N., 72° 30'.00E
 18° 51'.75N., 72° 27'.20E
 18° 51'.20N., 72° 26'.50E
 (W border)

Chart 7705 (INT 705) [previous update 562/05]


Insert submarine cable, ~~~~, joining:

19° 01'.27N., 72° 49'.80E
 (shore)
 18° 37'.28N., 72° 00'.57E
 16° 55'.58N., 71° 17'.83E
 14° 00'.21N., 72° 51'.74E
 10° 24'.85N., 74° 42'.60E
 10° 20'.00N., 74° 45'.00E
 (S border)

Chart 7706 (INT 706) [previous update 560/05]

Insert submarine cable, ~~~~, joining:

19° 01'.27N., 72° 49'.80E
 (Shore)
 18° 37'.28N., 72° 00'.57E
 16° 55'.58N., 71° 17'.83E
 14° 00'.21N., 72° 51'.74E
 10° 24'.85N., 74° 42'.60E
 09° 47'.44N., 75° 01'.32E
 09° 00'.05N., 74° 47'.08E
 08° 09'.46N., 75° 20'.41E
 06° 55'.20N., 77° 08'.31E
 06° 49'.74N., 77° 40'.48E
 06° 54'.37N., 79° 09'.10E
 06° 51'.09N., 79° 25'.03E
 06° 45'.68N., 79° 30'.29E
 (Branching unit)

47 (01/06) INDIA – Mumbai to Colombo – Submarine Cable. (continued)*Chart 7707 (INT 707)** [*previous update 560/05*]Insert submarine cable, , joining:

19° 01' .27N., 72° 49' .80E

(Shore)

18° 37' .28N., 72° 00' .57E

16° 55' .58N., 71° 17' .83E

14° 00' .21N., 72° 51' .74E

10° 24' .85N., 74° 42' .60E

09° 47' .44N., 75° 01' .32E

09° 00' .05N., 74° 47' .08E

08° 09' .46N., 75° 20' .41E

06° 55' .20N., 77° 08' .31E

06° 49' .74N., 77° 40' .48E

06° 54' .37N., 79° 09' .10E

06° 51' .09N., 79° 25' .03E

06° 45' .68N., 79° 30' .29E


(Branching unit)

***48 (01/06) INDIA – Mumbai to Karachi – Submarine Cable.**

Source: VSNL

(HJ/1030/97)

Note : All positions are in WGS 84

Chart 21 [*previous update 47/06*]Insert submarine cable, , joining:

19° 01'.27N., 72° 49'.80E

(shore)

19° 02'.04N., 72° 42'.21E

19° 00'.74N., 72° 28'.54E

18° 59'.02N., 72° 10'.60E

18° 57'.26N., 71° 33'.08E

18° 56'.24N., 70° 56'.54E

18° 47'.27N., 70° 00'.44E

18° 50'.49N., 69° 12'.82E

18° 54'.15N., 68° 53'.30E

18° 59'.96N., 68° 40'.56E

19° 16'.06N., 68° 26'.33E

19° 33'.92N., 68° 01'.26E

19° 50'.67N., 67° 45'.93E

20° 02'.08N., 67° 29'.56E

20° 10'.92N., 67° 16'.88E

20° 17'.09N., 67° 08'.01E

20° 24'.47N., 67° 04'.52E

20° 35'.29N., 67° 00'.33E

20° 46'.02N., 66° 38'.34E

20° 58'.40N., 66° 22'.54E

21° 06'.42N., 66° 11'.84E

21° 13'.22N., 65° 59'.65E


21° 25'.53N., 65° 50'.33E

21° 28'.08N., 65° 49'.05E

21° 35'.17N., 65° 45'.09E

21° 38'.49N., 65° 33'.29E

(Branching unit)

Chart 22 (INT 752) [*previous update 47/06*]Insert submarine cable, , joining:

19° 01'.27N., 72° 49'.80E

(shore)

19° 02'.04N., 72° 42'.21E

19° 00'.74N., 72° 28'.54E

18° 59'.02N., 72° 10'.60E

18° 57'.26N., 71° 33'.08E

18° 56'.24N., 70° 56'.54E


18° 47'.27N., 70° 00'.44E

18° 50'.49N., 69° 12'.82E

18° 50'.529N., 69° 10'.00E


(w border)

48 (01/06) INDIA – Mumbai to Karachi – Submarine Cable. (continued)*Chart 211** [previous update 47/06]

Insert submarine cable, , joining:


19° 01' .27N., 72° 49' .80E
(shore)
19° 02' .02N., 72° 49' .34E
19° 02' .43N., 72° 47' .97E
19° 02' .04N., 72° 42' .21E
19° 01' .62N., 72° 38' .55E
19° 01' .46N., 72° 37' .17E
19° 01' .52N., 72° 36' .62E
19° 01' .76N., 72° 35' .44E
19° 00' .74N., 72° 28' .54E
18° 59' .96N., 72° 26' .15E
19° 00' .25N., 72° 22' .40E
19° 00' .55N., 72° 18' .71E
19° 00' .86N., 72° 14' .78E
19° 00' .71N., 72° 12' .87E
19° 00' .16N., 72° 11' .22E
18° 59' .02N., 72° 10' .60E
18° 57' .88N., 72° 09' .30E
18° 58' .75N., 72° 08' .00E
(w border)

Chart 255 (INT 7334) [previous update 47/06]

Insert submarine cable, , joining:

19° 01' .27N., 72° 49' .80E
(shore)
19° 02' .02N., 72° 49' .34E
19° 02' .43N., 72° 47' .97E
19° 02' .04N., 72° 42' .21E
19° 01' .62N., 72° 38' .55E
19° 01' .46N., 72° 37' .17E
19° 01' .52N., 72° 36' .62E
19° 01' .76N., 72° 35' .44E
19° 00' .74N., 72° 28' .54E
18° 59' .96N., 72° 26' .15E
19° 00' .25N., 72° 22' .40E
19° 00' .55N., 72° 18' .71E
19° 00' .86N., 72° 14' .78E
19° 00' .71N., 72° 12' .87E
19° 00' .16N., 72° 11' .22E
18° 59' .02N., 72° 10' .60E
18° 57' .88N., 72° 09' .30E
18° 57' .08N., 71° 26' .36E
18° 56' .24N., 70° 56' .54E
18° 53' .62N., 70° 32' .14E
(w border)


48 (01/06) INDIA – Mumbai to Karachi – Submarine Cable. (continued)*Chart 271** [previous update 603/05]

Insert submarine cable, , joining:

20° 45'.00N., 66° 40'.15E
(S border)

20° 46'.02N., 66° 38'.34E
20° 58'.40N., 66° 22'.54E
21° 06'.42N., 66° 11'.84E
21° 08'.08N., 66° 08'.17E
21° 13'.22N., 65° 59'.65E
21° 14'.92N., 65° 56'.57E
21° 19'.90N., 65° 52'.30E
21° 25'.53N., 65° 50'.34E
21° 28'.08N., 65° 49'.05E
21° 35'.17N., 65° 45'.09E
21° 36'.91N., 65° 42'.12E
21° 39'.24N., 65° 38'.75E
21° 38'.49N., 65° 33'.29E
(Branching unit)

Chart 291 [previous update 562/05]

Insert submarine cable, , joining:

21° 34'.00N., 65° 45'.90E
(S border)

21° 35'.17N., 65° 45'.09E
21° 36'.91N., 65° 42'.12E
21° 39'.24N., 65° 38'.75E
21° 38'.49N., 65° 33'.29E
(Branching unit)

Chart 292 (INT 7021) [previous update 47/06]

Insert submarine cable, , joining:


19° 01'.27N., 72° 49'.80E
(shore)

19° 01'.27N., 72° 49'.80E
19° 02'.02N., 72° 49'.34E
19° 02'.43N., 72° 47'.97E
19° 02'.04N., 72° 42'.21E
19° 01'.62N., 72° 38'.55E
19° 01'.46N., 72° 37'.17E
19° 01'.52N., 72° 36'.62E
19° 01'.76N., 72° 35'.44E
19° 00'.74N., 72° 28'.54E
18° 59'.96N., 72° 26'.15E
19° 00'.25N., 72° 22'.40E
19° 00'.55N., 72° 18'.71E
19° 00'.86N., 72° 14'.78E
19° 00'.71N., 72° 12'.87E
19° 00'.16N., 72° 11'.22E

*48 (01/06) INDIA – Mumbai to Karachi – Submarine Cable. (continued)

18° 59'.02N., 72° 10'.60E
 18° 57'.88N., 72° 09'.30E
 18° 57'.08N., 71° 26'.36E
 18° 56'.24N., 70° 56'.54E
 18° 53'.62N., 70° 32'.14E
 18° 47'.27N., 70° 00'.44E
 18° 50'.49N., 69° 12'.82E
 18° 54'.15N., 68° 53'.30E
 18° 59'.96N., 68° 40'.56E
 19° 16'.06N., 68° 26'.33E
 19° 20'.54N., 68° 20'.14E
 19° 33'.92N., 68° 01'.26E
 19° 50'.67N., 67° 45'.93E
 20° 17'.09N., 67° 08'.01E
 20° 24'.47N., 67° 04'.52E
 20° 35'.29N., 67° 00'.33E
 20° 46'.02N., 66° 38'.34E
 (w border)

Chart 293 [previous update 47/06]

Insert submarine cable, , joining:

19° 01'.27N., 72° 49'.80E
 (shore)
 19° 02'.02N., 72° 49'.34E
 19° 02'.43N., 72° 47'.97E
 19° 02'.04N., 72° 42'.21E
 19° 01'.62N., 72° 38'.55E
 19° 01'.46N., 72° 37'.17E
 19° 01'.52N., 72° 36'.62E
 19° 01'.76N., 72° 35'.44E
 19° 00'.74N., 72° 28'.54E
 18° 59'.96N., 72° 26'.15E
 19° 00'.25N., 72° 22'.40E
 19° 00'.55N., 72° 18'.71E
 19° 00'.86N., 72° 14'.78E
 19° 00'.71N., 72° 12'.87E
 19° 00'.16N., 72° 11'.22E
 18° 59'.02N., 72° 10'.60E
 18° 57'.88N., 72° 09'.30E
 18° 57'.08N., 71° 26'.36E
 18° 56'.24N., 70° 56'.54E
 18° 53'.62N., 70° 32'.14E
 18° 52'.44N., 70° 20'.00E
 (w border)

48 (01/06) INDIA – Mumbai to Karachi – Submarine Cable. (continued)*Chart 2016 (INT 7336)** [previous update 47/06]

Insert submarine cable, ~~~~, joining: 19° 01'.27N., 72° 49'.80E
(shore)
19° 02'.02N., 72° 49'.34E
19° 02'.43N., 72° 43'.97E
19° 02'.04N., 72° 42'.21E
19° 01'.46N., 72° 37'.17E
19° 01'.76N., 72° 35'.44E
19° 00'.74N., 72° 28'.54E
19° 00'.08N., 72° 26'.50E
(W border)

Chart 7705 (INT 705) [previous update 47/06]

Insert submarine cable, ~~~~, joining: 19° 01'.27N., 72° 49'.80E
(shore)
19° 00'.74N., 72° 28'.54E
18° 56'.24N., 70° 56'.54E
18° 47'.27N., 70° 00'.44E
18° 50'.49N., 69° 12'.82E
18° 59'.96N., 68° 40'.56E
20° 35'.29N., 67° 00'.33E
21° 25'.53N., 65° 50'.34E
21° 35'.17N., 65° 45'.09E
21° 38'.49N., 65° 33'.29E
(Branching unit)

Chart 7706 (INT 706) [previous update 47/06]

Insert submarine cable, ~~~~, joining: 19° 01'.27N., 72° 49'.80E
19° 00'.74N., 72° 28'.54E
18° 56'.55N., 71° 00'.00E
(W border)

***49 (01/06) INDIA – West coast – Port of Mangalore - Racon.**

Source: NavareaVIII (758/05)

(HJ/1030/35)

Chart 22 (INT 752) [previous update 48/06]

Insert Racon (C), at light: 13° 00'.22N., 74° 47'.44E.

Chart 293 (INT 7022) [previous update 48/06]

Insert Racon (C), at light: 13° 00'.22N., 74° 47'.44E.

Chart 272 [previous update 95/05]

Insert Racon (C), at light: 13° 00'.22N., 74° 47'.44E.

Chart 258 (INT 7348) [previous update 47/06]

Insert Racon (C), at light: 13° 00'.22N., 74° 47'.44E.

Chart 217 [previous update 95/05]

Insert Racon (C), at light: 13° 00'.22N., 74° 47'.44E.

Chart 2052 (INT 7350) [previous update 561/05]

Insert Racon (C), at light: 13° 00'.22N., 74° 47'.44E.

Chart 2002 (INT 7351) [previous update 561/05]

Insert Racon (C), at light: 13° 00'.22N., 74° 47'.44E.

***50 (01/06) INDIA – West coast – Karwar Harbour and Approaches - Racon.**

Source: NavareaVIII (736/05)

(HJ/1030/45)

Chart 22 (INT 752) [previous update 49/05]

Insert Racon (D), at light: 14° 49′.17N., 74° 03′.67E.

Chart 293 (INT 7022) [previous update 49/05]

Insert Racon (D), at light: 14° 49′.17N., 74° 03′.67E.

Chart 257 (INT 7343) [previous update 47/05]

Insert Racon (D), at light: 14° 49′.17N., 74° 03′.67E.

Chart 216 [previous update 44/05]

Insert Racon (D), at light: 14° 49′.17N., 74° 03′.67E.

Chart 215 [previous update 44/05]

Insert Racon (D), at light: 14° 49′.17N., 74° 03′.67E.

Chart 2008 [previous update 568/05]

Insert Racon (D), at light: 14° 49′.17N., 74° 03′.67E.

***51 (01/06) INDIA – East coast – Kakinada Port - Racon.**

Source: NavareaVIII (749/05)

(HJ/1029/77)

Chart 32 (INT 754) [previous update 47/05]

Insert Racon (G), at light: 17° 00′.83N., 82° 17′.06E.

Chart 354 (INT 7408) [previous update 32/06]

Insert Racon (G), at light: 17° 00′.83N., 82° 17′.06E.

Chart 3009 [previous update 32/06]

Insert Racon (G), at light: 17° 00′.83N., 82° 17′.06E.

Chart 3009 (plan, Kakinada Anchorage) [previous update 32/06]

Insert Racon (G), at light: 17° 00′.83N., 82° 17′.06E.

***52 (01/06) INDIA – East coast – Bay of Bengal –Off Ramayapatnam – buoy..**

Source: NIOT Chennai

(HJ/1029/42)

Chart 31 [previous update 617/05]Delete  (lighted,) Fl (5)12s4M 14° 59′.83N., 87° 30′.23E.***53 (01/06) INDIA – Andaman Island – Steward Sound – Foul area.**

Source: RoS INS Nirupak M(N) – 153

(HJ/1028/27)

Chart 4008 [previous update 544/05]

Insert foul ground limit, pecked line,radius 25m, centred on: 12° 55′.41N., 92° 53′.86E.

Delete foul ground limit, pecked line,radius 25m, centred on: 12° 55′.42N., 92° 53′.97E.

Chart 4008 (plan, Mayabandar) [previous update 544/05]

Insert foul ground limit, pecked line,radius 25m, centred on: 12° 55′.41N., 92° 53′.86E.

Delete foul ground limit, pecked line,radius 25m, centred on: 12° 55′.42N., 92° 53′.97E.

***54 (01/06) INDIA – East Coast – Gopalpur – Firing range.**

Source: HQ, Army Defence College

(HJ/1029/95)

Chart 31 [previous update 52/06]

Insert legend, FIRING PRACTICE AREA, centred on: 19° 16′.00N., 85° 15′.00E.
(See note)

the accompanying note, FIRING PRACTICE AREA, centred on: 20° 30′.00N., 80° 30′.00E.

Chart 352 (INT 7416) [previous update 32/06]

Insert limit of firing range, ---/---, joining a) 19° 37′.05N., 85° 27′.86E.

19° 14′.81N., 84° 54′.00E.
and

19° 14′.62N., 84° 54′.00E.
19° 07′.00N., 85° 01′.69E.

a) above

19° 19′.31N., 85° 34′.48E.

19° 07′.00N., 85° 34′.32E.

19° 16′.00N., 85° 15′.00E.

legend, FIRING PRACTICE AREA, centred on:

(See note)

the accompanying note, FIRING PRACTICE AREA, centred on:

20° 33′.50N., 85° 30′.00E.

Delete limit of firing range, arc ---/---, joining 19° 37′.05N., 85° 27′.86E.

19° 07′.00N., 85° 35′.80E.

Chart 353 (INT 7413) [previous update 617/05]

Insert legend, FIRING PRACTICE AREA, centred on: 19° 16′.00N., 85° 15′.00E.
(See note)

the accompanying note, FIRING PRACTICE AREA, centred on: 19° 29′.00N., 84° 08′.00E.

SECTION – III: TEMPORARY AND PRELIMINARY NOTICES**55 (P) (01/06) SAUDI ARABIA - Red Sea Coast - Jizan - Dredged areas. Channel. Reclamation areas. Harbour development.**

Source: B.A. Notice 5721(P)/05
(HJ/1033/67)

1. Major dredging work has taken place in Jizan Harbour and Approach Channel. Dredged depths are reported as follows:

Approach Channel	13.5m
Turning Circle	13.0m
Berths 1, 2, 3, 11, 12 & Outer Harbour	12.0m
Berths 4, 5, 6, 7, 8, 9, 10 & Inner Harbour	10.0m

2. It has also been reported that there is a discrepancy of up to 2.5° in the charted alignment of Jizan Approach Channel.

3. Extensive reclamation works have taken place to the north of Jizan between positions 16° 54' 0N., 42° 32' 5E. and 16° 56' 7N., 42° 32' 8E. and also to the south-east between positions 16° 51' 6N., 42° 34' 3E. and 16° 50' 0N., 42° 36' 0E.

4. A small boat harbour has been established at Ra's Qarn Jizan in position 16° 52' 7N., 42° 32' 6E.

5. Mariners should exercise extreme caution when entering the Port of Jizan and seek advise from local authorities.

6. Former INM 423(P)/04 is cancelled

Charts affected: B.A. 15 – 16

56 (P) (01/06) QATAR - Approaches to Doha (Ad Dawhah) - Approaches to Mesaieed (Musay'id or Umm Said) - Dredging areas. Buoyage.

Source: B.A. Notice 5866(P)/05
(HJ/1132/58)

1. Dredging operations have commenced in the vicinity of the Doha (Ad Dawhah) Port Approach Channel and to the south of the channel for the construction of the New Doha International Airport.

2. * All positions below are referred to WGS84 Datum.

3. Dredging operations are in progress in areas bounded by the following positions:

Area B:

25° 15' 65N., 51° 41' 71E.

25° 16' 73N., 51° 41' 71E.

25° 16' 73N., 51° 42' 31E.

25° 15' 64N., 51° 42' 30E.

Area C:

25° 15' 11N., 51° 39' 91E.

25° 15' 11N., 51° 41' 10E.

25° 13' 48N., 51° 41' 10E.

25° 13' 49N., 51° 39' 91E.

Area D:

25° 18' 49N., 51° 39' 34E.

25° 18' 49N., 51° 40' 53E.

25° 17' 27N., 51° 40' 52E.

25° 17' 28N., 51° 39' 33E.

*Area E:

*25° 15' 91N., 51° 44' 86E.

*25° 18' 92N., 51° 47' 72E.

*25° 16' 80N., 51° 48' 10E.

*25° 14' 66N., 51° 45' 74E.

*Area F:

*25° 18' 92N., 51° 47' 72E.

*25° 21' 33N., 51° 50' 18E.

*25° 20' 27N., 51° 51' 23E.

*25° 18' 81N., 51° 51' 27E.

*25° 17' 88N., 51° 50' 49E.

56 (P) (01/06) QATAR - Approaches to Doha (Ad Dawhah) - Approaches to Mesaieed (Musay'Id or Umm Said) - Dredging areas. Buoyage. (continued)

*Area G:

*25° 18' 81N., 51° 51' 27E.

*25° 19' 56N., 51° 53' 00E.

*25° 17' 56N., 51° 53' 26E.

*25° 17' 33N., 51° 51' 08E.

*25° 17' 93N., 51° 50' 31E.

*Area H:

*25° 07' 16N., 51° 40' 88E.

*25° 07' 95N., 51° 43' 62E.

*25° 05' 39N., 51° 44' 66E.

*25° 06' 20N., 51° 42' 43E.

*25° 04' 51N., 51° 41' 08E.

*Area I:

*25° 04' 61N., 51° 41' 06E.

*25° 04' 01N., 51° 41' 99E.

*25° 03' 83N., 51° 42' 52E.

*25° 02' 87N., 51° 42' 63E.

*25° 02' 83N., 51° 41' 64E.

*25° 03' 14N., 51° 41' 16E.

4. Northern and southern access channels have been established for the dredgers. They are marked by light-buoys and are bounded by the following positions:

25° 16' 04N., 51° 37' 88E.	Red buoy, <i>FLR No 1</i>
25° 15' 76N., 51° 38' 68E.	Yellow buoy, <i>FLY No 2</i>
25° 15' 34N., 51° 39' 92E.	Red buoy, <i>FLR No 3</i>
25° 14' 92N., 51° 39' 75E.	Red buoy, <i>FLR No 4</i>
25° 14' 92N., 51° 38' 68E.	Yellow buoy, <i>FLY No 5</i>
25° 14' 92N., 51° 37' 93E.	Red buoy, <i>FLR No 6</i>
25° 18' 31N., 51° 36' 37E.	Yellow buoy, <i>FLY No 7</i>
25° 18' 51N., 51° 36' 49E.	Yellow buoy, <i>FLY No 8</i>
25° 18' 72N., 51° 36' 60E.	Yellow buoy, <i>FLY No 9</i>
25° 18' 84N., 51° 36' 67E.	Yellow buoy, <i>FLY No 10</i>
25° 18' 68N., 51° 37' 18E.	Yellow buoy, <i>FLY No 11</i>
25° 18' 50N., 51° 37' 10E.	Yellow buoy, <i>FLY No 12</i>
25° 18' 27N., 51° 36' 99E.	Yellow buoy, <i>FLY No 13</i>
25° 18' 05N., 51° 36' 89E.	Yellow buoy, <i>FLY No 14</i>
25° 17' 70N., 51° 34' 93E.	Yellow buoy, <i>FLY No 15</i>

* These channels have been declared maritime exclusion zones and all shipping should keep clear of them.

5. A refuelling barge, *TITAN*, will be moored in position 25° 15' 48N., 51° 39' 76E.

6. Mariners are requested to proceed with caution when navigating in the vicinity of these areas. For further information mariners should consult the local authorities.

7. * Former INM 566(P)/05 is cancelled.

* Indicates new or revised entry.

Charts affected: BA-3782 - 3787(INT 7245) - 3950

57 (P) (01/06) INDIAN OCEAN - British Indian Ocean Territory - Chagos Archipelago - Depths.

Source: B.A. Notice 5868(P)/05

(HJ/830/57)

1. Depths considerably less than charted exist within the following areas:

Speakers Bank 4° 54'·0S., 72° 20'·0E.

Colvocoresses Reef 4° 54'·0S., 72° 37'·0E.

Pitt Bank 7° 05'·0S., 71° 20'·0E.

Centurion Bank 7° 39'·0S., 70° 50'·0E.

2. Mariners are advised to proceed with extreme caution when navigating in the vicinity of these areas.

3. Former INM 315(P)/01 is cancelled

Chart affected: 269***58 (P) (01/06) INDIA – West Coast – Pathfinder Inlets – Submarine pipeline .**

Source: Navarea VIII (738/05)

(HJ/1132/20)

1. Pipe laying operation is in progress from 10 Dec 2005 to 01 May 2006 in the area bounded with in:

22° 29'·00N., 69° 42'·50E.

22° 30'·00N., 69° 42'·60E.

22° 30'·00N., 69° 41'·00E.

22° 31'·00N., 69° 39'·50E.

22° 30'·00N., 69° 39'·50E.

22° 29'·00N., 69° 41'·00E.

22° 29'·00N., 69° 42'·50E.

2. Anchoring is strictly prohibited within 1 nautical mile in the vicinity of the area specified above.

3. Mariners are advised to proceed with extreme caution whilst navigating in the areas.

Chart affected: 203 (INT 7319) – 2060 - 2068***59 (T) (01/06) INDIA – West and East coast – Andaman Sea and Gulf of Mannar – data buoy .**

Source: Navarea VIII (555,556,744,745,752 &753/05)

(HJ/1028/65)

1. Following data collecting buoy fitted with radar reflector and beacon light will be on station in the position given below:

<u>Buoy</u>	<u>Lat</u>	<u>Long</u>	<u>Colour</u>	<u>Light</u>	<u>Charts affected</u>
AN6	06° 54'·91N	94° 19'·85E	Yellow	Fl 5s4M	41 – 471 – 472
AN5	09° 29'·88N	93° 14'·78E	Yellow	Fl 5s4M	33 – 41 – 407 – 472
AN3	10° 30'·78N	91° 39'·98E	Yellow	Fl 5s4M	33 – 41 – 472
AN2	11° 59'·23N	91° 59'·93E	Yellow	Fl 5s4M	33 – 41
AN1	14° 01'·33N	91° 59'·48E	Yellow	Fl 5s4M	33 – 41
DS3	12° 11'·33N	90° 43'·57E	Yellow	Fl 5s4M	33 – 41
--	13° 24'·91N	94° 36'·68E			41
--	07° 00'·23N	77° 50'·70E			22 – 23 – 32 – 263
--	07° 24'·71N	78° 06'·41E			23 – 32 – 263

2. Anchoring or trawling is strictly prohibited within 1000m in the vicinity of the moored data buoys.

3. Mariners are advised to proceed with extreme caution whilst navigating in the areas.

* 60(T) (01/06)

Temporary and Preliminary Notices
(in force as on 01 Jan 2006)
INM 495(T) (19/05) is cancelled.

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

Notice No.	Charts Affected	Description
228(P)/94	B.A.642 1003	MOZAMBIQUE – Dredge Channel Buoys.
149(T)/01	B.A. 3410 3412 3175 3176	ARABIA – United Arab Emirates – Sharjah (Ash Shariqah) – Dredging; Depths
254(P)/02	B.A. 642 1003 1811 2930 2938 4172	AFRICA, East Coast – Mozambique – Source data
277(P)/02	B.A. 3774	ARABIA – Saudi Arabia – Ra’s Al Khafji Terminal –Positions
293(T)/02	B.A. 3739 3176 2887 2889	ARABIA – United Arab Emirates-Mina’ Jabal ‘ Ali Northeastwards –Radar reflector
87 (P)/03	288 20 B.A. 2523 2883 2886	ARABIA – Qatar – Al Shaheen Oilfield – Platforms; Submarine pipeline
207 (T)/03	B.A. 671 2968 (INT 7000)	SOMALIA – Muqdisho (Moghadishu) – Port development. Pilot boarding place.
328 (P)/03	288 B.A. 3842 3844 3845 3846	ARABIA – Shatt al’ Arab – Outer Bar to Khorramshahr – Depth Information. Wrecks. Obstructions.
136 (P)/04	20 B.A. 3599	IRAN – Eastern entrance to Khuran (Clarence Strait) – Jazireh-ye-Qeshm Koveh – Jetty. Buoyage. Depths.
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.
272 (P)/04	B.A. 1235 (INT 7289) 1265 (INT 7291) 2884 (INT 7278) 3773	IRAQ – Khawr al Amaya Terminal and Al Basrah (Al Bakr) Terminal – Maritime limits.
423(P)/04	B.A. 15	SAUDI ARABIA – Red Sea Coast – Jizan Harbour Westwards – Dredging area. Channel.
447(P)/04	B.A. 3492	SUDAN – Approaches to Port Sudan, Port Sudan Harbour and Marsa Gwiyai – Coastline. Port developments. Jetties. Wrecks. Rock. Coral. Obstruction.
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.
483(P)/04	B.A. 3791	QATAR – Ra’s Laffan – Buoyage.
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.
155(P)/05	B.A. 2882 2884 (INT 7278) 3773	KUWAIT – Mina’ Al Ahmadi – Anchorage areas. Restricted areas. Pilot boarding places. Radio reporting points. Buoyage. Light-beacon.
156(P)/05	B.A. 1223 3773	KUWAIT – Approaches to Mina’ al Ahmadi, Mina’ Ash Shu’aybah and Mina’ ‘Abd Allah – Traffic separation schemes.
227(T)/05	20 288 BA 2882 BA 2884 (INT 7278)	KUWAIT – Approaches to Mina’ al Ahmadi, Mina’ Ash Shu’aybah and Mina’ ‘Abd Allah – Traffic separation schemes.
242(P)/05	B.A. 3812	SAUDI ARABIA – East Coast – Ad Dammam (Mina’ al Malik ‘Abd al ‘Aziz) and Approaches and Ra’s Tannurah North-westwards – Buoyage. Depths. Dredged areas. Beacons. Light-beacons.
272 (P) /05	B.A. 2523	IRAN – South Pars Gasfield – Submarine pipeline. Platforms.
273(P)/05	B.A. 3526	UNITED ARAB EMIRATES – Fujayrah – Berths. Depths. Jetty. Port developments. Lights. Buoyage. Works.
275(T)/05	B.A. 3773	ARABIA – Khawr al Kafka – Al Basrah (Al Bakr) Terminal Southwards and South-Westwards – Wrecks. Obstructions.
301(P)/05	B.A. 1235 (INT 7289) 1238	ARABIA – Approaches to Umm Qasr and Az zubayr – Depths. Wrecks. Obstructions. Buoyage. Pilot boarding place.
341(P)/05	8004 B.A 2887 2888 2889 (INT 7211) 3175 3176 3412	UNITED ARAB EMIRATES – Approaches to Dubai (Dubayy) – Approaches to Jebel Ali (Mina’ Jabal’ Ali)–Reclamation areas. Buoyage. Works. Restricted areas. Anchorage areas. Pilot Boarding Place. Submarine cables.

342 (P)/05	B.A.3735 (INT 7259) 3736 (INT 7258) 3737 (INT 7255) 3738 (INT 7254) 3790 (INT 7252)	BAHARAIN– Mina‘ Salman and Approaches–Al Muharraq westwards.–depths. Anchorage area. Breakwater. Obstruction. Wreck. Reclamation areas. Light.
398(P)/05	B.A. 11 2882 (INT 7264) 2884 (INT 7278)	IRAN–Jazireh–ye–Kharak Anchorage areas.
425(P)/05	B.A.3789 3791	Qatar–Ra’s Laffan–Buoyage. Dredged area. Light. Works.
461(P)/05	8004 B.A. 2887 2889 (INT 7211) 3175 3176 3411 (INT 7218) 3412	UNITED ARAB EMIRATES – Approaches to Dubai (Dubayy) - Approaches to Jebel Ali (Mina’Jabal’ Ali) - Reclamation areas. Buoyage. Works. Restricted areas. Anchorage areas. Pilot boarding place. Submarine cables. Breakwaters.
462(P)/05	B.A. 3178 -3413	QATAR - UNITED ARAB EMIRATES - Jazirat Halul Southwards - Approaches to Mubarraz Oilfield West, South-westwards and North-westwards - Works. Buoyage. Depth information.
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.
515 (P)/05	BA 3526	UNITED ARAB EMIRATES - Khawr Fakkan - Restricted area.
516 (P) /05	BA 2375 3043	EGYPT - Red Sea Coast - Safaga - Leading line. Lights. Buoyage. Light- beacons.
539 (P)/05	BA 81	SUDAN - Sawakin - Berths.
564(P)/05	BA 3713 3715	UNITED ARAB EMIRATES - Abu Dhabi (Abu Zaby) North-eastwards - Approaches to Umm an Nar - Buoyage. Lights. Leading line.
565(P)/05	BA 11	IRAN - Jazireh-ye Khark and Jazireh-ye Kharku - Depths.
566(P)/05	BA 3782 3787 (INT 7245)	QATAR - Approaches to Doha (Ad Dawhah) - Dredging areas. Buoyage.
592 (P)/05	BA 262 (INT 7115)	DJIBOUTI - Approaches to the Port of Djibouti - Buoyage. Jetty. Pilot boarding place.
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
356(T)/00	B.A. 1495	INDIAN OCEAN – La Reunion, Northcoast – Cap Bernurd – Buoy
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
223(T)/01	2020	INDIA – West Coast – Marmugao – St. George’s Islands – Buoy
271(T)/01	2078 2020 2022	INDIA – West Coast – Bombay Harbour – Wreck
315(P)/01	269	INDIAN OCEAN – British Indian Ocean Territory – Chagos Archipelago – Depths
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
83(T)/02	B.A. 713 711	INDIAN OCEAN –Mauritius – Port Louis – Lights
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
159 (T)/03	B.A. 2757 2741 563	INDIAN OCEAN – Comores – Ile de Mayotte – Fish aggregating devices
161 (T)/03	2076 2015 (INT 7337) 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
225 (T)/03	2022	INDIA – West Coast – Port of Mormugao – Data buoy
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.
47 (T)/04	2056 2081 2100	INDIA – West Coast – Pipavav West Channel – Buoy.
48 (T)/04	207 254	INDIA – West Coast – Diu Head to Gopnath Point – Danger to navigation.
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.
139 (T)/04	2020 2022 2078 (INT 7346)	INDIA – West Coast – Port of Mormugao – Buoy.
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.
285 (T)/04	214 257 (INT 7342) 2020 2022 2078 (INT 7346)	INDIA – West Coast – Port of Mormugao – Buoyage.
301 (P)/04	B.A. 1495 (INT 7736) 1497 (INT 7735)	INDIAN OCEAN – La Reunion – North West Coast – Anchorage areas. Restricted areas. Submarine cables.
302 (T)/04	2013 2031 2055 2068	INDIA – West Coast – Gulf of Kachchh – Port of Okha – Buoy.
303 (P)/04	22 (INT 752) 214 257 (INT 7343) 2020 2022 (INT 7345) 2078 (INT 7346)	INDIA – West Coast – Port of Mormugao – Jetty.
304 (T)/04	206	INDIA – West Coast – Veraval to Diu Head – Off Mul Dwaraka – Danger to Navigation.
321 (T)/04	257 (INT 7343) 2022 (INT 7345)	INDIA – West Coast – Approaches to Mormugao – Buoy.
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.
486(T)/04	214 257 (INT 7343) 2020 2022 2078 (INT 7346)	INDIA – West Coast – Mormugao Port – Buoy.
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.
131(T)/05	2022 (INT 7345) 2078 (INT 7346)	INDIA – West Coast – Mormugao Harbour – Wreck.
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 (INT 702) 7703 (INT 703)	INDIAN OCEAN – Seychelles Group – Scientific Experiment
244(T)/05	22 (INT 752) 214 257 (INT 7340) 2020 2022 (INT 7345) 2078 (INT 7346)	INDIA – West Coast – Arabian Sea – Data Buoy.

SECTION – IV: MARINE INFORMATION**Ship Reporting System (INDSAR)**

A ship reporting system INDSAR has been activated w.e.f 01 Feb 2003 in the Indian Search and Rescue Region (ISRR), for timely position reporting which is critical for quick response and ensuring safety of life at sea. Mariners in the ISR Region are requested to pass relevant rescue information to the Maritime Rescue Coordinating Centre (MRCC) Mumbai on INMARSAT Code 43, or using any of the following Contact details:-

	Telephone +91	Fax +91	Inmarsat/E-Mail
MRCC MUMBAI (Bombay)	22 24316558	22 24301455	Inmarsat 00583 441 907 210 E-mail indsar@vsnl.net

MRCC CONTACT DETAILS

MRCC Mumbai		MRCC Port Blair		MRCC Chennai	
Tel :	022-24376133	Tel :	0091-3192-242948,3192,1718	Tel :	0091-44-25395015-18
Fax :	022-24333727	Fax :	0091-3192-235612	Fax :	0091-44-25395015,18
INMARSAT:	00583 441 907 210	E-mail :	pblmrccpb@sancharnet.in	E-mail :	isareast@md2.vsnl.in
E-mail :	indsar@vsnl.net			E-mail :	cgpoorav@md3.vsnl.in

MRSC New Mangalore		MRSC Kochi		MRSC Paradip	
Tel :	0091-824-2405266	Tel :	0091-484-2218969	Tel :	0091-6722-223380
Fax :	0091-824-2407371	Fax :	0091-484-2217164	Fax :	0091-6722-223359
E-mail :	cgman@sancharnet.in	E-mail :	kripa@md3.vsnl.net.in	E-mail :	cgdhqdp@sancharnet.in

MRSC Tuticorin		MRSC Mandapam		MRSC Campbell Bay	
Tel :	0091-461-2352199	Tel :	0091-4573-241518-19	Tel :	0091-3192-264235
Fax :	0091-461-2353906	Fax :	0091-4573-241518-19	Fax :	0091-3192-264205
E-mail :	cgstut@sancharnet.in	E-mail :	cgmp@md5.vsnl.net.in	E-mail :	pblmrccpb@sancharnet.in

MRSC Porbander		MRSC Vizag		MRSC Haldia	
Tel :	0091-286-2242450	Tel :	0091-891-2568875	Tel :	0091-3224-264541
Fax :	0091-286-2210559	Fax :	0091-891-2568879	Fax :	0091-3224-263404
E-mail :	comdis1ad1@sancharnet.in	E-mail :	dhq6@md4.vsnl.net.in	E-mail :	cghq8@cal2.vsnl.net.in

MRSC Goa	
Tel :	0091-832-2521051
Fax :	0091-832-2520584
E-mail :	comdis11@email.com

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.

***106 (T) (03/05) INDIA – Andaman Sea – Andaman and Nicobar islands – Beacon. Buoy. (continued)**

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 01 Jan 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	490	2001 series: 510 2005 series: 402 412 421 434 440 441 442 445 452 461 464 465 467 468 473 474 477 486 487 488 489 490.
II	E. Atlantic	Nil	Nil.
III	Mediterranean	Nil	2002 series: 438
IV	N.W. Atlantic	Nil	2004 series: 323. 2005 series: 256.
V	W. Atlantic	Nil	2005 series: Nil.
VI	S.W. Atlantic	Nil	2005 series: Nil.
VII	S.E. Atlantic	180	2005 series: 157 159 160 161180
VIII	Indian Ocean	775	192 200 212 216 274 312 329 333 346 352 356 380 384 412 413 462 468 523 552 555 556 562 566 574 577 594 595 596 607 615 631 634 635 647 650 653 657 668 680 701 707 710 714 715 716 720 727 729 730 734 735 736 738 741 743 744 745 747 749 750 751 752 753 755 756 757 758 761 762 767 768 769 770 771 772 773 774 775.
IX	Persian Gulf, Red Sea, NW Arabian Sea	144	2001 Series: 312. 2003 Series: 120 177 236 237 239 273. 2004 Series: 025 036 079 109 134 135 151 184 206 207 239 268 269 280 288. 2005 Series: 009 013 022 038 45 049 053 060 071 072 075 081 086 097 111 117 120 123 124 128 129 135 139 142 144.
X	Australia, New Guinea	Nil	003 008.
XI	Malacca Strait, China Sea, N. Pacific	0432	1996 series: 0925. 1998 series: 0655 1999 series: 0053 0187 0310 0613. 2000 series: 0677. 2001 series: 0182 0775. 2002 series: 0839. 2003 series: 0106 0303 0304. 2004 series: 0246 0271 0361 0402 0555 0571. 2005 series: 0005 0022 0024 0025 0026 0030 0051 0060 0062 0063 0271 0307 0322 0331 0332 0335 0345 0348 0351 0395 0474 0481 0497 0510 0522 0549 0555 0556 0557 0558 0560 0561 0562 0562 0563.
XII	N.E. Pacific	Nil	2005 series: Nil

XIII	N.W. Pacific	Nil	Nil
XIV	S.W. Pacific	Nil	2005 series: 025
XV	S.E. Pacific	Nil	Nil
XVI	E. Pacific	Nil	Nil
Hydropacs	Pacific, Indian Ocean	Nil	2004 series: 694 1011. 2005 series: 2017 2030.
Hydrolants	Atlantic, Mediterranean	Nil	2005 series: 245.

SECTION – VI: CORRECTIONS TO SAILING DIRECTION**NP 38 West Coast of India Pilot (2004 Edition)****Pakistan -- Port Muhammad Bin Qasim --****Ahsan Channel — Wreck****318**Paragraph 10.61 *3 Replace by:*

3. Thence the dredged channel should be followed through the inner part of Ahsan Channel, passing (positions given from the front light):
 NNW of a dangerous wreck (8½ cables S), thence:
 To B1 and B2 Light- buoys (lateral) at the S end of Phitti Creek.

BA Notice: 50/05

01/06

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>
F 1790	-Tg Batu Hitam	0 54.5 104 26.5	Fl R 3s *	19 *	8 *	White beacon 3 *	<i>fl 0-3</i> *
F 0634	-Oyster Rocks Devgadgadda island summit	14 49.2 74 03.7	Fl W 10s	63	26	Red round masonry tower with white bands cupola 19	<i>fl 0-2</i> Racon (D) *
F 0660	Suratakal Point	13 00.2 74 47.4	Fl W 10s	44	31	White round masonry tower 36	<i>fl 0-4</i> Racon (C) *
F 0964	Vakala pudi	17 00.8 82 17.1	Fl (3) W 15s	28	20	White round masonry tower, red bands 23	Storm Signals Racon (G) *

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS**VOL. 1, 2005***(Last correction: Edition No. 24 dated 16 Dec2005)**Page 63, before EGYPT (Red Sea Coast) insert new section***EGYPT (Suez Canal)****Suez Canal (ISMAILA) (SUQ)**

30°36'2N 32°16'2E MMSI 006221113 DSC VHF



+20 64 3393126, 3393118 & 3393128



+20 64 3393517 & 3393230

Telex: +91 63528 SUQSC UN

E-MAIL: ismradio@hotmail.com

Inmarsat A (AOR--E) 1622570 (Tlx)

Inmarsat B (AOR--E) 362213310 (Tel)

(AOR--E) 362213311 (Tel)

(AOR--E) 362213312 (Fax)

(AOR--E) 362213314 (Tlx)

Inmarsat C (AOR--E) 462299911=SUEZ X

Note: DSC remotely controlled by BUR SAID (SUP)

BA Notice No. 49**01/06****VOL. 2, 1995***(Last correction: Edition No. 24 dated 16 Dec2005)**Page 36, Insert*

Oyster rock Lt Racon

14° 49.2N 74° 03.7E

D**Navarea VIII 736/05****01/06***Page 36, Insert*

Suratakal Point Lt Racon

13° 00.2N 74° 47.4E

C**Navarea VIII 758/05****01/06***Page 36, Insert*

Vakalapudi Lt Racon

17° 00.8N 82° 17.1E

G**Navarea VIII 749/05****01/06****VOL. 3 Part 1, NP 283(1), 2002/03***(Last correction: Edition No. 24 dated 16 Dec2005)***NIL****VOL. 5, 1997/98***(Last correction: Edition No. 24 dated 16 Dec2005)***NIL****VOL. 6, 2005**

(Last correction: Edition No. 20 dated 16 Oct 2005)

NIL

VOL. 7, 1997/98-PART 2

(Last correction: Edition No. 16 dated 15 Aug 2000)

NIL

VOL. 8, 1999

(Last correction: Edition No. 24 dated 16 Dec 2005)

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: - nho@sancharnet.in
Fax No.: (0135) 2748373
WEB: www.hydrobharat.org

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 : nho@sancharnet.com

Fax No.: 91- 0135- 2748373

WEB: www.hydrobharat.org

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
National Hydrographic Office
107-A, Rajpur Road,
Post Box No. 75, Dehradun - 248 001
(UTTARANCHAL), INDIA

E-mail: - nho@sancharnet.in
Fax No.: (0135) 2748373
WEB: - www.hydrobharat.org

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						

To accompany Notice to Mariners (54/06)

On. Chart 31

FIRING PRACTICE AREA
Firing Practice take place in this area. For
details See Notices to Mariners Special
Edition Notice no.9

On. Chart 352 (INT 7416)

FIRING PRACTICE AREA
Firing Practice take place in this area. For
details See Notices to Mariners Special
Edition Notice no.9

On. Chart 353 (INT 7413)

FIRING PRACTICE AREA
Firing Practice take place in this area. For
details See Notices to Mariners Special
Edition Notice no.9