



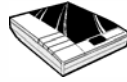
INDIAN NOTICES TO MARINERS FOR 2006

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

EDITION No. 13 DATED 01 JUL 2006

(CONTAIN NOTICES 330 TO 356)

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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 330 to 356 contained in this Edition

INDIAN H.O. Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
31	5	332	819	42	330
207	2	334	941A	46	352
213	3	332	1223	40	339
217	3	337	2149	46	350
254 (INT 7331)	2	334	2887 (INT 7232)	40	338, 355(P)
255 (INT 7334)	3	335	2888 (INT 7199)	40	338, 355(P)
258 (INT 7348)	3	337	2889 (INT 7211)	40	338, 355(P)
264	4	332	3175	40	338, 355(P)
313	5	332,354(T)	3176	40	338, 355(P)
315	4	332	3411 (INT 7218)	40	355(P)
356 (INT 7400)	5	354(T)	3412 (INT 7219)	40	355(P)
360	7	332	3729	46	350
432	7	340	3739 (INT 7220)	40	338, 355(P)
2002 (INT 7351)	3	337	3758	46	351
2005	2	332	3773	40	339
2015 (INT 7337)	3	336	3831	45	341, 346, 349
2016 (INT 7336)	3	336	3833	45	342, 343, 346
2020	3	353(T)	4032	45	345
2023	4	332	4033	45	344
2029 (INT 7358)	3	332	4034	45	345
2052 (INT 7350)	3	337	4035	45	345
2059 (INT 7322)	2	332	4040	45	342, 343, 345
2067	4	330	4041	45	342, 346, 348
2068	2	332	4043	45	346, 347
2076	3	336	4044	45	347, 349
2078 (INT 7346)	3	353(T)			
2079	2	332			
2080	2	332,333			
3024	5	332			
7071 (INT 71)	1	332			
7705 (INT 705)	1	330			
8004	1	338,355(P)			

SECTION – II: PERMANENT NOTICES
INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS

*330 (13/06)

MISCELLANEOUS UPDATES TO CHARTS

Source: NHO Dehradun

<u>Chart No.</u>	<u>Previous Updates</u>	<u>Details</u>
2067	314/06	Refer INM 314/06. Read previous update 476/05 instead of 467/05.
7705 (INT 705)	-----	Refer INM 298(T)/06. Sl No.1 position read 11° 59'·52N., 67° 50'·34E., instead of 11° 59'·38N., 67° 50'·34E.
-----	-----	Refer INM Edition 10/06. Section VI, General Information 1. position read 20° 45'·26N., 70° 39'·98E. instead of 20° 43'·35S., 70° 39'·14E.
-----	-----	Refer INM Edition 11/06. Section VIII,(Vol 6, 2005) MUL DWARAKA PORT position read 20° 45'·26N., 70° 39'·98E. instead of 20° 43'·35N., 70° 39'·104E. Refer INM Edition 09/06. Section VI, MUL DWARAKA PORT General Information 1. Position read 20° 45'·26N., 70° 39'·98E. instead of 20° 43'·35S., 70° 39'·14E. Refer INM Edition 09/06. Section VI, 1. Sanghi Jetty. General information. 1. Position read 23° 22'·63N., 68° 34'·68E. instead of 23° 22'·40S., 68° 34'·40E.
BA 819	-----	Refer INM Edition 12/06. Section I, Delete chart No. BA 819.

*331 (10/06)

LIST OF THE OFFICAL ENC'S PREPARED BY THE NATIONAL HYDROGRAPHIC OFFICE, INDIASource: NHO, Dehradun
(HJ/NM/Pub)**(a) NEW INDIAN ELECTRONIC NAVIGATIONAL CHARTS**

Sl. No.	Cell Name	Chart No.	Title	Publication Date
APPROACHES				
1	IN43016M	3016	Approaches to Mandapam	30-09-2005
HARBOUR				
2	IN52017N	2017	Navlakhi and Approaches	30-11-2002

(b) NEW EDITION ELECTRONIC NAVIGATIONAL CHARTS

Sl. No.	Cell Name	Chart No.	Title	Publication Date
HARBOUR				
1	IN52024T	2024	Tadri Anchorage	30-09-2005
2	IN52024H	2024	Honavar Anchorage	30-09-2005
3	IN52041M	2041	Malvan Anchorage	15-10-2005
4	IN52041D	2041	Devgarh Harbour	15-10-2005
5	IN52082A	2082	Approaches to Dahej	30-09-2005
BERTHING				
6	IN62082D	2082	Dahej Harbour	30-09-2005

***331 (10/06) LIST OF THE OFFICAL ENC_s PREPARED BY THE NATIONAL HYDROGRAPHIC OFFICE, INDIA (continued)**

(c) ELECTRONIC NAVIGATIONAL CHARTS PERMANENTLY WITHDRAWN

Sl. No.	Cell Name	Chart No.	Title	Publication Date
HARBOUR				
1	IN52024T	2024	Tadri Anchorage	30-11-1993
2	IN52024H	2024	Honavar Anchorage	30-11-1993
3	IN52041M	2041	Malvan Anchorage	29-04-1994
4	IN52041D	2041	Devgarh Harbour	29-04-1994
5	IN52082A	2082	Approaches to Dahej	30-09-2000
BERTHING				
6	IN62082D	2082	Dahej Harbour	30-09-2000

AVAILABILITY OF ENC_s:

These Official Indian ENC_s are being distributed worldwide through C-MAP. Updates will be available both through CDs and Real Time via Satellite to allow fully automatic updating of ENC/SENC. Mariners and other ENC users may contact the under mentioned for further details:

Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248 001, INDIA Telephone: +91 135 2747365 Fax: +91 135 2748373 Email: nho@sancharnet.in Web site: www.hydrobharat.org	OR	Director C-Map India Private Limited 505, Raheja Arcade Sector 11 CBD, Belapur Navi Mumbai- 400 614, INDIA Telephone: +91 22 5610 3668 Fax: +91 22 6793 9504 Email: info@c-map.co.in Web site: www.c-map.co.in
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***332 (13/06) (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>
2079	30-04-2006	APPROACHES TO MUNDRA PORT <u>Limits:</u> 22° 34'.60N; 69° 29'.20E. 22° 47'.40N; 69° 50'.70E.	1:37,500	2	Rs. 1360.00

(b): NEW EDITION INDIAN CHARTS

2005	15-04-2006	APPROACHES TO GODIA CREEK <u>Limits:</u> 23° 02'.80N; 68° 16'.30E. 23° 19'.90N; 68° 45'.00E.	1:50,000	2	Rs. 1360.00
2023	31-12-2005	CAVARATTI ISLAND <u>Limits:</u> 10° 29'.08N; 72° 34'.00E. 10° 37'.75N; 72° 41'.50E.	1:25,000	4	Rs. 1360.00
		KILTAN ISLAND <u>Limits:</u> 11° 24'.83N; 72° 57'.17E. 11° 33'.50N; 73° 03'.00E.	1:25,000		

*332 (13/06) (b): NEW EDITION INDIAN CHARTS (continued)

2029 (INT 7358)	15-10-2005	APPROACHES TO KOCHI (COCHIN) <u>Limits:</u> 09° 43'.90N; 75° 57'.00E. 10° 15'.00N; 76° 18'.00E.	1:60,000	3	Rs. 1360.00
2059 (INT 7322)	31-12-2005	KANDLA – SOGAL CHANNEL <u>Limits:</u> 22° 51'.83N; 70° 07'.30E. 22° 58'.70N; 70° 16'.50E.	1:20,000	2	Rs. 1360.00
		KANDLA CREEK <u>Limits:</u> 22° 57'.75N; 70° 12'.80E. 23° 02'.90N; 70° 14'.90E.	1:15,000		
213	15-4-2006	RATNAGIRI TO VENGURLA <u>Limits:</u> 15° 44'.25N; 72° 46'.00E. 17° 05'.00N; 73° 40'.00E.	1:150,000	3	Rs. 1360.00
264	15-04-2006	SOUTHERN COAST OF SRI LANKA <u>Limits:</u> 5° 15'.00N; 79° 10'.00E. 7° 02'.00N; 82° 20'.00E.	1:300,000	4	Rs. 1360.00
3024	30-09-2005	KALINGAPATNAM ANCHORAGE <u>Limits:</u> 18° 16'.50N; 84° 06'.00E. 18° 23'.40N; 84° 11'.50E.	1:20,000	5	Rs. 1360.00
		BAVANAPADU ANCHORAGE <u>Limits:</u> 18° 30'.00N; 84° 19'.00E. 18° 36'.90N; 84° 24'.50E.	1::20,000		
313	15-10-2005	MAMALLAPURAM (MAHABALIPURAM) TO POINT PUDI <u>Limits:</u> 12° 31'.50N; 80° 00'.00E. 13° 53'.00N; 80° 54'.00E.	1:150,000	5	Rs. 1360.00
315	30-04-2006	PALK STRAIT <u>Limits:</u> 9° 43'.75N; 79° 01'.00E. 10° 28'.00N; 80° 23'.50E.	1:125,000	4	Rs. 1360.00
360	30-09-2005	PUSSUR RIVER TO ELEPHANT POINT <u>Limits:</u> 20° 55'.00N; 89° 22'.00E. 22° 36'.05N; 92° 14'.00E.	1:300,000	7	Rs. 1360.00
7071 (INT71)	15-04-2006	INDIAN OCEAN NORTHERN PART <u>Limits:</u> 23° 40'.00S; 33° 20'.00E. 30° 57'.00N; 121° 21'.90E.	1:100,00,000	1	Rs. 1360.00

*332 (13/06) (c) INDIAN CHARTS PERMANENTLY WITHDRAWN (continued)

Chart to be withdrawn	Main Title	On Publication of New Chart / New Edition
2005	APPROACHES TO GODIA CREEK	2005
2023	KAVARATTI ISLAND	2023
	KILTAN ISLAND	
2029	APPROACHES TO KOCHI (COCHIN)	2029
2059	KANDLA - SOGAL CHANNEL	2059
	KANDLA CREEK	
213	RATNAGIRI TO VENGURLA	213
264	SOUTHERN COAST OF SRI LANKA	264
3024	KALINGAPATNAM ANCHORAGE	3024
	BAVANAPADU ANCHORAGE	
313	MAMALLAPURAM (MAHABALIPURAM) TO POINT PUDI	313
315	PALK STRAIT	315
360	PUSSUR RIVER TO ELEPHANT POINT	360
7071	INDIAN OCEAN NORTHERN PART	7071

(d): CHARTS AFFECTED BY THE FOREGOING

<u>Chart No.</u>	<u>Last Correction</u>	<u>Details</u>
31	(157/06)	Delete existing magenta limit and chart number 360 as follows: Limits: North 22° 30'. 00N East 91° 05' .00E. South 19° 55'. 00N West 89° 16' .50E. Insert new magenta limit and chart number 360 as follows: Limits: North 22° 30'. 00N East 92° 14' .00E. South 20° 55'. 00N; West 89° 22' .00E.
2068	(616/05)	Insert new magenta limit and chart number 2079 as follows: Limits: (a) 22° 34'. 60N 69° 29' .20E. (b) 22° 34'. 60N; 69° 44' .70E. (c) 22° 47'. 40N 69° 44' .70E. (b) 22° 47'. 40N; 69° 29' .20E.
2080	(101/06)	Insert new magenta limit and chart number 2079 as follows: Limits: (a) 22° 34'. 60N 69° 41' .00E. (b) 22° 34'. 60N; 69° 50' .70E. (c) 22° 47'. 40N 69° 50' .70E. (b) 22° 47'. 40N; 69° 41' .00E.

***333 (13/06) INDIA – West Coast – Gulf of Kachchh – Depth**

Source: NHO Dehradun

(HJ/1130/20)

Chart 2080 [previous update 332/06]Substitute Depth I_1 for I_0
Depth I_5 for I_9 22° 44'·950N., 69° 59'·950E.
22° 36'·048N., 70° 02'·511E.***334 (13/06) INDIA – West Coast – Due head to Gopinath point – Tapti oil field – Platforms.**

Source: BG Exploration and Production India Limited.

(HJ/1130/08)

Chart 254 (INT 7331) [previous update 261/06]Insert 

20° 32'·74N., 071° 58'·67E.

Chart 207 [previous update 261/06]Insert 

20° 32'·74N., 071° 58'·67E.

***335 (13/06) INDIA – West Coast – Approaches to Mumbai – Mukta-Panna oil field – Platforms.**

Source: BG Exploration and Production India Limited.

(HJ/1030/98)

Chart 255 (INT 7334) [previous update 260/06]Insert 


19° 23'·55N., 071° 58'·23E.

19° 18'·19N., 071° 58'·63E.

***336 (13/06) INDIA – West Coast – Jawahar Lal Nehru port and Trombay – Buoy.**


Source: Mumbai port trust

(HJ/1030/87)

Chart 2016 (INT 7336) [previous update 260/06]Move  Fl(3)G10s (West Uran) from :
to:


18° 55'·794N., 072° 53'·580E.

18° 55'·753N., 072° 53'·535E.


Chart 2015 (INT 7337) [previous update 166/05]Move  Fl(3)G10s (West Uran) from :
to:

18° 55'·794N., 072° 53'·580E.

18° 55'·753N., 072° 53'·535E.

Chart 2076 [previous update 166/05]Insert  Fl(3)G10s (West Uran)

18° 55'·753N., 072° 53'·535E.

Delete  Fl(3) 10s (West Uran)

18° 55'·794N., 072° 53'·580E.

Cancel former INM 428(T) / 05

***337 (13/06) INDIA – West Coast – Port of New Mangalore and Mangalore - Wreck.**

Source: New Mangalore port trust

(HJ/1030/25/wk-05)

Chart 258 (INT 7348) [previous update 70/06]Substitute  PA for  PA

12° 54'·80N., 074° 46'·10E.

Chart 217 [previous update 163/06]Substitute  PA for  PA

12° 54'·80N., 074° 46'·10E.

Chart 2052 (INT 7350) [previous update 70/06]Substitute  PA for  PA

12° 54'·80N., 074° 46'·10E.

Chart 2002 (INT 7351) [previous update 70/06]Substitute  PA for  PA

12° 54'·80N., 074° 46'·10E.

338 (13/06) UNITED ARAB EMIRATES - Approaches to Dubai (Dubayy) - Approaches to Jebel Ali (Mina Jebel Ali) - Legend. Anchorage area. Restricted area.

Source: BA Notice 2634/06.

(HJ/1132/54)

Chart 8004 [previous update 145/06]

Insert legend OFFSHORE DEVELOPMENTS *see INM*
355(P)/ 06 for details., centred on: 25° 29'·0N., 55° 38'·5E.

BA Chart 2887 (INT 7232) [previous update 238/06]

Amend legend to, OFFSHORE DEVELOPMENTS *see INM*
355(P)/ 06 for details., centred on: 25° 15'·0N., 55° 25'·5E.

Delete ⚡ 25° 20'·2N., 55° 09'·0E.

BA Chart 2888 (INT 7199) [previous update 238/06]

Amend legend to, OFFSHORE DEVELOPMENTS *see INM*
355(P)/ 06 for details., centred on: 25° 19'·0N., 55° 28'·5E.

Delete ⚡ 25° 20'·2N., 55° 09'·0E.

semi-circular limit of restricted area, entry prohibited,
TTTT, (centred on 25°15'·55N., 55°16'·20E.), joining: 25° 15'·0N., 55° 15'·5E.
(breakwater)

25° 16'·8N., 55° 16'·2E.

(breakwater)

BA Chart 2889 (INT 7211) [previous update 286/06]

Amend legend to, OFFSHORE DEVELOPMENTS *see INM*
355(P)/ 06 for details., centred on: 25° 10'·0N., 55° 20'·5E.

Delete ⚡ 25° 20'·2N., 55° 09'·0E.

semi-circular limit of restricted area, entry prohibited,
TTTT, (centred on 25°15'·55N., 55°16'·20E.), joining: 25° 15'·0N., 55° 15'·5E.
(breakwater)

25° 16'·8N., 55° 16'·2E.

(breakwater)

BA Chart 3175 [previous update 238/06]

Amend legend to, *See INM 355(P)/06*, centred on: 25° 18'·40N., 55° 08'·20E.

legend to, Entry Prohibited (*see INM 355(P)/06*), centred
on: 25° 14'·40N., 55° 12'·60E.

25° 21'·20N., 55° 14'·50E.

BA Chart 3176 [previous update 238/06]

Amend legend to, *See INM 355(P)/06*, centred on: 25° 18'·40N., 55° 06'·40E.

legend to, Entry Prohibited (*see INM 355(P)/06*), centred
on: 25° 21'·90N., 55° 14'·80E.

25° 14'·40N., 55° 12'·00E.

25° 07'·50N., 55° 07'·60E.

25° 02'·20N., 54° 57'·50E.

BA Chart 3739 (INT 7220) (plan, Jebel Ali (Mina Jabal Ali)) [previous update 238/06]

Amend legend to, *See INM 355(P)/06*, centred on: 25° 01'·73N., 55° 02'·45E.

BA Chart 3739 (INT 7220) [previous update 238/06]

Amend legend to, *See INM 355(P)/06*, centred on: 25° 02'·80N., 55° 01'·45E.

25° 10'·92N., 54° 52'·10E.

25° 10'·98N., 55° 06'·70E.

339 (13/06) KUWAIT -Mina - Al Ahmadi-Eastwards - Special Anchorage Area - Foul.

Source: BA Notice 2639/06.

(HJ/1133/91)

BA Chart 1223 (plan A, Mina'Abd Allah, Mina'Ash Shu' Aybah and Mina' Al Ahmadi) [previous update 335/05]

Insert # 29° 04'·26N., 48° 19'·84E.

BA Chart 3773 [previous update 237/06]

Insert # 29° 04'·25N., 48° 19'·85E.

340 (13/06) THAILAND - West Coast - Mu Ko Similan - Ko Similan Eastwards - Rock.

Source: BA Notice 2661/06.

(HJ/928/82)

Chart 432 [previous update 187/06]Insert $\textcircled{1s}$ with seabed character, R

8° 39'·36N., 97° 39'·52E.

341 (13/06) SINGAPORE STRAIT - Indonesia - Pulau Batam - Terumbu Betata - Rock.

Source: BA Notice 2600/06.

(HJ/927/15)

BA Chart 3831 [previous update 288/06]

Insert * and extend danger line E to enclose

1° 11'·30N., 104° 02'·44E.

342 (13/06) SINGAPORE STRAIT - Main Strait - Batu Berhanti West-south-westwards - Buoy.

Source: BA Notice 2601/06.

(HJ/927/16)

BA Chart 3833 [previous update 288/06]Move ∇ Fl.Y.3s No 3 from:

1° 10'·60N., 103° 51'·86E.

to:

1° 10'·60N., 103° 51'·70E.

BA Chart 4040 [previous update 320/06]Move ∇ Fl.Y.3s No 3 from:

1° 10'·60N., 103° 51'·86E.

to:

1° 10'·60N., 103° 51'·70E.

BA Chart 4041 [previous update 290/06]Move ∇ Fl.Y.3s No 3 from:

1° 10'·60N., 103° 51'·86E.

to:

1° 10'·60N., 103° 51'·70E.

343 (13/06) SINGAPORE - Jurong Island - Banyan Basin - Jetty. Dredged depths. Berths. Depth.

Source: BA Notice 2602/06.

(HJ/927/16)

BA Chart 3833 [previous update 342/06]

Insert jetty, single firm line, joining:

1° 15'·91N., 103° 40'·92E.(shore)

1° 15'·77N., 103° 41'·06E.

BA Chart 4040 [previous update 342/06]

Insert jetty, single firm line, joining:

1° 15'·91N., 103° 40'·92E.(shore)

1° 15'·77N., 103° 41'·06E.

344 (13/06) SINGAPORE -Port of Singapore - Tuas Bay -Obstructions.

Source: BA Notice 2603/06.

(HJ/927/16)

BA Chart 4033 [previous update 198/06]Insert $\textcircled{4s}$ Obstn

1° 18'·033N., 103° 38'·647E.

 $\textcircled{4s}$ Obstn

1° 17'·987N., 103° 38'·671E.

345 (13/06) SINGAPORE -Port of Singapore - East Jurong Channel - Wreck.

Source: BA Notice 2604/06.

(HJ/927/16)

BA Chart 4032 [previous update 320/06]Insert $\textcircled{27s}$ Wk

1° 15'·911N., 103° 45'·649E.

BA Chart 4034 [previous update 38/06]Insert $\textcircled{27s}$ Wk

1° 15'·911N., 103° 45'·649E.

BA Chart 4035 [previous update 287/06]Insert $\textcircled{27s}$ Wk

1° 15'·911N., 103° 45'·649E.


BA Chart 4040 [previous update 343/06]Insert $\textcircled{27s}$ Wk

1° 15'·91N., 103° 45'·65E.

346 (13/06) SINGAPORE - Singapore Island - Changi East Southwards -Wreck.

Source: BA Notice 2605/06.

(HJ/927/15)

BA Chart 3831 [previous update 341/06]Insert  *Wk* 1° 17'·08N., 104° 01'·22E.**BA Chart 3833** [previous update 343/06]Insert  *Wk* 1° 17'·08N., 104° 01'·22E.**BA Chart 4041** [previous update 342/06]Insert  *Wk* 1° 17'·08N., 104° 01'·22E.**BA Chart 4043** [previous update 288/06]Insert  *Wk* 1° 17'·08N., 104° 01'·22E.**347 (13/06) SINGAPORE -Singapore Island -Kuala Johor -Obstruction.**

Source: BA Notice 2606/06.





(HJ/927/15)

BA Chart 4043 [previous update 346/06]Insert  *Obstn* 1° 21'·86N., 104° 02'·70E.**BA Chart 4044** [previous update 185/06]Insert  *Obstn* 1° 21'·86N., 104° 02'·70E.**348 (13/06) SINGAPORE -Singapore Island -Marina Bay and Approaches -Beacon tower. Buoyage. Lighted beacon tower. Maritime limit. Legends.**

Source: BA Notice 2607/06.

Light List Vol. F, 2005/06, 1726

(HJ/927/16)

BA Chart 4041 [previous update 346/06]Substitute  for  Dir.FI.WRG.2.5s12m5-3M Stamford and associated sectors 1° 17'·341N., 103° 51'·872E.Delete  *Fl.G.2.5s Kuala* 1° 16'·679N., 103° 52'·630E. *Fl.R.2.5s Singa* 1° 16'·563N., 103° 52'·430E.**BA Chart 4041 (plan A, Marina Bay)** [previous update 346/06]Substitute  for  Dir.FI.WRG.2.5s12m5-3M Stamford and associated sectors 1° 17'·341N., 103° 51'·872E.Delete  *Fl.Y.4s Clifford* 1° 17'·223N., 103° 51'·332E. *Iso.5s Marina Inner* 1° 17'·247N., 103° 51'·629E. *LFl.10s Marina Outer* 1° 17'·230N., 103° 51'·729E.maritime limit, pecked line, and associated legend, *Numerous mooring buoys, joining:* 1° 16'·938N., 103° 51'·362E.

1° 16'·998N., 103° 51'·266E.

1° 17'·077N., 103° 51'·314E.

1° 17'·093N., 103° 51'·289E.

1° 17'·185N., 103° 51'·339E.

1° 17'·166N., 103° 51'·370E.

1° 17'·187N., 103° 51'·383E.

1° 17'·127N., 103° 51'·479E.

349 (13/06) SINGAPORE - Singapore Island - Changi East -North-eastwards -Depth.

Source: BA Notice 2784/06.

(HJ/927/15)

BA Chart 3831 [previous update 346/06]Insert depth 9_1 enclosed by 10m contour 1° 19'·93N., 104° 02'·56E.**BA Chart 4044** [previous update 347/06]Insert depth 9_1 enclosed by 10m contour 1° 19'·93N., 104° 02'·56E.


**350 (13/06) INDONESIA - Jawa - North Coast - Ardjuna Oilfields - Tanker mooring buoys.
Submarine pipelines.**

Source: BA Notice 2690/06.


Light List Vol. K, 2006/07, 1082.022, 1082.025

(HJ/827/42)

BA Chart 2149 [previous update 287/06]

Delete	symbol, tanker mooring buoy (lighted), SBM5	(a)	5° 53'·1S., 107° 44'·1E.
	symbol, tanker mooring buoy (lighted), SBM4	(b)	5° 53'·5S., 107° 43'·3E.
	submarine pipeline,  joining:	(a)	above
		(c)	5° 54'·6S., 107° 44'·0E (☐)
			and
			(b) above
			(c) above

BA Chart 3729 [previous update 410/05]

Delete	symbol, tanker mooring buoy (lighted), SBM5	(a)	5° 53'·1S., 107° 44'·1E.
	symbol, tanker mooring buoy (lighted), SBM4	(b)	5° 53'·5S., 107° 43'·3E.
	submarine pipeline,  joining:	(a)	above
			5° 54'·6S., 107° 44'·0E (☐)
			and
			(b) above
			5° 54'·2S., 107° 44'·8E.
			(SBM3 tanker mooring buoy)

351 (13/06) INDONESIA – Kalimantan – West Coast – Pulau Sarangburung South –eastwards – Legend.

Source: BA Notice 2559/06.

(HJ/927/15)

BA Chart 3758 [previous update 83/06]

Amend	legend to, 109° 30'E, centered on:	1° 59'·40S., 109° 28'·70E.
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352 (13/06) INDONESIA - Jawa - South Coast - Approaches to Cilacap - Cimiring - Light.

Source: BA Notice 2672 /06.

Light List Vol. K, 2006/07, 1268

(HJ/827/20)

BA Chart 941A [previous update 280/06]

Amend	light to, Oc.30M	7° 47'·0S., 109° 02'·0E.
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SECTION – III: TEMPORARY AND PRELIMINARY NOTICES***353 (T) (13/06) INDIA – West Coast – Port of Mormugao – Buoys**

Source: Mormugao port Trust
(HJ/1030/56)

1. Following buoys have been moved slightly from their charted position to new positions for dredging work and would be reinstalled at original charted position by the beginning of the fair season after monsoon. Buoy No's and new positions are:

<u>Sl No.</u>	<u>Buoy No.</u>	<u>New position</u>
(a)	07	15° 25'·12N., 073° 47'·66E.
(b)	08	15° 25'·32N., 073° 47'·66E.
(c)	09	15° 25'·03N., 073° 47'·88E.

Charts affected: 2020 – 2078(INT 7346).

***354 (T) (13/06) INDIA – East Coast – Mamallapuram (Mahabalipuram) to Point Pudi - Buoy**

Source: Navarea VIII 402/06
(HJ/1029/39)

1. A yellow coloured data buoy (SW6B) with radar relector and 3 metres dia and 3.5 metres height mast carrying sensor laid in position 13° 10'·27N., 080° 41'·85E. with characteristics F15s4M.

2. All vessels operating in vicinity are to maintain a clearance of 500 metres off the buoy and not to anchor or trawl within the circle of 500 metres from the buoy.

3. Mariners to exercise caution.

Charts affected: 356 (INT 7400) – 313.

355 (P) (13/06) 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.

Source: BA Notice 2633(P)/06
(HJ/1132/54)

1. Work is in progress on six reclamation projects off the coast of Dubai. To maintain safety and to assist craft working on these projects each is surrounded by an exclusion zone. Appropriate warning lights will be exhibited and all vessels are warned to keep well clear of these areas.

2. Palm Island One, .Palm Jumeirah. (25° 07'·00N., 55° 08'·00E.)

a) The exclusion zone surrounding .Palm Jumeirah. is of 2·5M radius centred on position 25° 07'·86N., 55° 06'·97E. Mariners are to keep at least 3M seaward of this central position.

3. Palm Island Two, .Palm Jebel Ali. (25° 01'·50N., 54° 58'·30E.)

a) An exclusion zone has been established and is marked by cardinal and lateral light-buoys. This is shown on BA Chart 3739.

b) Mariners are to exercise special care in the vicinity of position 25° 03'·30N., 55° 00'·60E. where barge and construction traffic cross the Jebel Ali Approach Channel.

c) The two submarine cables which leave the UAE coast in position 24° 59'·19N., 55° 01'·15E. have been relocated to avoid the .Palm Jebel Ali. development. The new routes for these cables join the following positions:

Fibre Optic Gulf (FOG)

Cable

24° 59'·19N., 55° 01'·15E. (shore)

24° 59'·30N., 55° 01'·09E.

24° 59'·78N., 55° 01'·45E.

25° 01'·21N., 55° 01'·91E.

25° 02'·12N., 55° 01'·36E.

25° 02'·60N., 55° 00'·36E.

25° 02'·70N., 54° 59'·20E.

25° 02'·37N., 54° 58'·12E.

25° 01'·17N., 54° 56'·34E. (existing cable)

Abu Dhabi –Dubai

Diversity Cable

24° 59'·19N., 55° 01'·15E. (shore)

24° 59'·30N., 55° 01'·09E.

24° 59'·79N., 55° 01'·43E.

25° 01'·22N., 55° 01'·84E.

25° 02'·02N., 55° 01'·28E.

25° 02'·59N., 54° 59'·18E.

25° 02'·26N., 54° 58'·17E.

355 (P) (13/06) 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. (continued)

25° 01'·14N., 54° 56'·51E.

24° 59'·90N., 54° 55'·23E. (existing cable)

d) The replaced cables have been largely recovered and re-laid on the new routes above. Mariners are advised not to anchor or trawl in the vicinity of submarine cables.

4. The World Project (25° 13'·50N., 55° 10'·00E.)

a) An exclusion zone has been established and is marked by cardinal and lateral light-buoys. This zone is shown on BA Charts 3412 and 3739.

5. Dubai Maritime City

a) This project covers approximately 2,500,000 square metres and is to be located on reclaimed land between Mina Rashid (25° 16'·70N., 55° 16'·70E.) and Dubai Dry Dock (25° 15'·20N., 55° 15'·80E.).

b) Phase One has seen the construction of new breakwaters forming a revised entrance to Dubai Dry Dock. These are shown on BA Charts 3411, 3412, 3175 and 3176.

c) These breakwaters are currently marked by light-buoys, flashing green and red every 4 seconds, positioned 50m seaward of each of the breakwater roundheads. Appropriate lights will soon be established to replace these buoys.

d) * An anchorage area has been established for use by Dubai Dry Docks only. This includes vessels which have been towed out for mobilisation and trials on completion of repairs. The anchorage area is bounded between longitude 55° 14'·0E. to the West and the Dubai Dry Docks breakwater to the East and between latitudes 25° 15'·00N. and 25° 16'·10N. to the South and North.

6. Palm Island Three, .Palm Deira.

a) This project, extending 15km from the shore, will be located between Mina-Rashid (25° 16'·70N., 55° 16'·70E.) and Mina Khalid (25° 21'·90N., 55° 22'·50E.).

b) * The Palm Deira exclusion zone has been split into two zones to create a Northern approach channel for Khawr Dubai Traffic. The exclusion zones are marked by a total of 20 light-buoys and join the following positions:

North-west (Offshore)

Exclusion Zone

25° 18'·50N., 55° 17'·20E. (South cardinal light-buoy, *Q(6)+LFl.15s, A*)

25° 18'·50N., 55° 13'·27E. (South cardinal light-buoy, *Q(6)+LFl.15s, B*)

25° 20'·50N., 55° 11'·05E. (West cardinal light-buoy, *Q(9)15s, C*)

25° 23'·85N., 55° 11'·05E. (North cardinal light-buoy, *Q, Racon(X), D*)

25° 23'·85N., 55° 14'·71E. (North cardinal light-buoy, *Q, E*)

25° 21'·83N., 55° 17'·21E. (Starboard hand light-buoy, *Fl(3)G.10s, F*)

25° 18'·50N., 55° 17'·20E. (South cardinal light-buoy, *Q(6)+LFl.15s, A*)

South-east (Inshore)

Exclusion Zone

25° 16'·77N., 55° 18'·25E. (North corner Hyatt Hotel)

25° 19'·79N., 55° 17'·42E. (Port hand light-buoy, *Q.R, F2*)

25° 21'·29N., 55° 17'·88E. (Preferred channel to port light-buoy, *Fl(2+1)G, F1*)

25° 19'·67N., 55° 19'·88E. (East cardinal buoy, *Q(3)10s, G*)

25° 18'·30N., 55° 19'·75E. (Starboard hand buoy, *Fl.G.3s, G1*) 25° 18'·05N., 55° 19'·75E. (Mina-Hamriya breakwater)

c) Construction of a detached mole has started, close North of the Port Rashid Lee Breakwater, extending between positions, 25° 18'·10N., 55° 17'·05E. and 25° 17'·20N., 55° 17'·45E.

d) * The Khawr Dubai Fairway light-buoy (*Fl.10s*) has been relocated to new position 25° 19'·25N., 55° 17'·25E. within the new approach channel. Two further starboard hand light-buoys have been established to mark a safe passage around the area of construction for the detached mole.

KD1 *Fl.G.3s* 25° 18'·10N., 55° 17'·28E.

KD3 *Fl(3)G.10s* 25° 17'·20N., 55° 17'·66E.

e) * Vessels bound for Khawr Dubai from the North can now use the Northern approach channel between the exclusion zones. Vessels should enter the channel by passing between the F and F1 light-buoys, then passing the F2 light-buoy (25° 19'·79N., 55° 17'·42E.) to port to reach the relocated Khawr Dubai fairway buoy (25° 19'·25N., 55° 17'·25E.). Vessels should then pass the KD1 and KD3 light-buoys close to starboard before entering Khawr Dubai.

f) * Vessels bound for Khawr Dubai from the West should close the Dubai approach light-buoy (Safe-water, *Fl.10s, Racon(T)*) (25° 18'·50N., 55° 10'·00E.) and then steer a course to keep 1 cable South of the Exclusion Zone marked by buoys B, A2, A1 and then to Khawr Dubai passing the KD1 and KD3 light-buoys.

g) * Vessels navigating between Mina-Rasid and Khawr Dubai should pass close to the A buoy in each direction to keep clear of the construction zone.

h) Vessels for Mina-Rashid/Dubai Dry Docks are required to anchor at least 6 Miles North of the Dubai Approach Buoy (25° 18'·50N., 55° 10'·00E.) and West of the charted pipeline. Mariners are reminded not to anchor or trawl in the vicinity of pipelines.

355 (P) (13/06) 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. (continued)

i) An anchoring prohibited area has been established in the approaches to Dubai. This is bound by the following positions:

- 25° 23'·85N., 55° 07'·60E. (gas pipeline)
- 25° 23'·85N., 55° 11'·05E. (W limit of Palm Deira exclusion zone)
- 25° 20'·48N., 55° 11'·05E. (W limit of Palm Deira exclusion zone)
- 25° 18'·50N., 55° 13'·27E. (W limit of Palm Deira exclusion zone)
- 25° 18'·50N., 55° 06'·80E. (gas pipeline)

7. Jebel Ali Expansion, .Megamax. Project (25° 02'·00N., 55° 03'·00E.)

a) An exclusion zone has been established seaward of the Jebel Ali East Breakwater. This is shown on Chart 3739. The exclusion zone is bound to the south-west by the Jebel Ali Approach Channel and to the north-east by the pipeline safety corridor. The northern limit is defined by a line joining the following positions:

- 25° 02'·30N., 55° 01'·90E. (NE side of Jebel Ali approach channel)
- 25° 03'·30N., 55° 03'·50E. (SW extent of the pipeline safety corridor)

This zone is to be marked by light-buoys in the future.

b) A detached breakwater is under construction to the south-west of the Jebel Ali Approach Channel between No 12 and No 13 buoys. A small exclusion zone has been established to aid construction and is shown on Chart 3739. This zone is bound by the Approach Channel to the north-east and a semi circle radius 5 cables (1000m) centred on 25° 01'·96N., 55°01'·90E. A port hand lateral light-buoy is also to be established in 25° 01'·60N., 55° 01'·46E.

7. c) As part of the .Megamax. project, three measuring instrument platforms (about 5m high) are being established in the following positions:

- 25° 01'·44N., 55° 02'·02E.
- 25° 02'·08N., 55° 04'·48E.
- 25° 03'·66N., 55° 06'·24E.

Each will display flashing yellow lights.

8. For the latest information about all of these projects, mariners are advised to contact the local port authority and refer to Navigational Warnings issued by the Control and Maritime Guidance Office of the Ports, Customs and Free Zone Corporation, Dubai.

9. Further information will be promulgated as it becomes available.

10. Former Notice 253(P)/06 is cancelled.

* Indicates new or revised entry.

Charts affected – 8004 - BA Charts-2887 (INT 7232) -2888 (INT 7199) -2889 (INT 7211) -3175 -3176 -3411 (INT 7218) - 3412 (INT 7219) -3739 (INT 7220)

356(T) (13/06) Temporary and Preliminary Notices (in force as on 01 Jul 2006)*INM 181(T) (07/06) 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 (INT 7000)	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.
539 (P)/05	BA 81	SUDAN - Sawakin - Berths.
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 Qasr 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.
203 (P)/06	BA. 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.

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 (INT 7232) 2888 (INT 7199) 2889 (INT 7211) 3175 3176 3411 (INT 7218) 3412 (INT7219) 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 Baṭīn - Buoyage. Lights. Leading line. Depth information.
292 (P)/06	BA. 3782 3787 (INT 7245)	QATAR - Approaches to Doha (Ad Dawhah) - Depths.
293 (P)/06	2444 3179 3413	UNITED ARAB EMIRATES - Jazirat Das South and Eastwards - Tanker mooring buoy. Restricted area. Submarine pipeline. Submarine cables. Reef. Pilot boarding place. Buoy. Fouls.
326 (P)/06	BA. 644	MOZAMBIQUE - Porto de Maputo and Approaches - Depths.
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.
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
223(T)/01	2020	INDIA – West Coast – Marmugao – St. George’s Islands – 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 (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
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.
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.
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.
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
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.
323(T)/05	203 (INT 7319) 2060 2068	INDIA – West Coast – Gulf of Kachchh – Literage Operaton.
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.
367(T)/05	B.A. 563 2741 2757	INDIAN OCEAN - Comores - Ile de Mayotte - Fish havens.
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

255 (T)/06	21 22 (INT 752) 211 255(INT 7334) 292 (INT 7021) 293(INT 7022) 7705 (INT 705) 7706(INT 706)	INDIA – West Coast-Off Mumbai – Crude Lighterage operations.
256 (P)/06	21 22(INT 752) 211 255(INT 7334) 292 (INT 7021) 293 (INT7022) 2016 (INT 7336) 7705 (INT 705) 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).	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

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 navigagation.
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 and 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 to East 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 (Chennai) 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	32(INT 754) 224 262 2075(INT 7366) 22 217 258 272 2002 2052 22 214 257 2020 2022 2078 32 224 262 22 268 273	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

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	244(T)/05	295(T)/06
2	303(T)/05	297(T)/06
2	368(T)/05	295(T)/06
1	425(P)/05	226(P)/06
2	428(T)/05	336/06
1	462(P)/05	233(T)/06
1	564(P)/05	254(P)/06
1	566(P)/05	56(P)/06
3	593(P)/05	235/06
2	58(P)/06	231(P)/06
3	71(T)/06	294(T)/06
1	107(P)/06	253(P)/06
1	160(P)/06	293(P)/06
4	162(P)/06	233(T)/06
4	206(P)/06	300(T)/06
1	226(P)/06	328(P)/06
1	228(T)/06	300(T)/06
-	233(T)/06	356(T)/06
3	257(P)/06	299(P)/06
-	300(P)/06	356(T)/06
1	253(P)/06	355(P)/06
-	181(T)/06	356(T)/06

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:-

New E-mail ID'S

National Hydrographic Office Dehradun (India)	E-Mail address
	(1.) in的角度_marinesafety@dataone.in
	(2.) in的角度_navwarnings@dataone.in
	(3.) in的角度@dataone.in
	(4.) in的角度_helpdesk@dataone.in

MRCC CONTACT DETAILS

MRCC Mumbai		MRCC Port Blair		MRCC Chennai	
Tel :	022-24316558	Tel :	0091-3192-242948,3192,1718	Tel :	0091-44-25395015-18
Fax :	022-24301455	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 :	cgdhqp@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

VISAKHAPATNAM PORT INFORMATION

1. Lighterage operations are in progress in position 17° 42.00'·00N., 083° 23'·00E. with in the port limit of Visakhapatnam Port from 04 Mar 2006. Mariners are advised caution and keep minimum clearance of 1 NM radius from the given position.

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 01 Jul 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	184	2005 series: 402 440 468. 2006 series: 073 095 119 122 144 147 153 155 161 164 169 171 173 174 177 180 181 183 184.
II	E. Atlantic	220	2006 series: 204.
III	Mediterranean	309	2002 Series: 438 2006 series: 294
IV	N.W. Atlantic	170	2006 series: 168
V	W. Atlantic	391	2006 series: Nil.
VI	S.W. Atlantic	240	2006 series: Nil.
VII	S.E. Atlantic	084	2006 series: 013 073 084.
VIII	Indian Ocean	421	2005 Series:- 384 2006 Series: 026 085 136 174 175 260 269 303 338 345 351 356 360 361 365 366 367 372 376 379 380 387 392 402 408 414 415 416 417 418 419 420 421
IX	Persian Gulf, Red Sea, NW Arabian Sea	Nil	2005 Series: 013 022 071 072 120 135 198 206 211 237 238 250.
X	Australia, New Guinea	Nil	2006 Series: 001 004.
XI	Malacca Strait, China Sea, N. Pacific	251	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 0522 0576 2006 - 0005 0007 0008 0037 0050 0052 0058 0060 0069 0075 0083 0090 0110 0123 0127 0139 0149 0165 0168 0172 0207 0208 0211 0212 0214 0215 0217 0218 0224 0241 0248 0249 0250 0251.

XII	N.E. Pacific	Nil	2006 series: Nil
XIII	N.W. Pacific	Nil	2006 series: Nil
XIV	S.W. Pacific	Nil	2006 series: 048 066 069 070.
XV	S.E. Pacific	Nil	Nil
XVI	E. Pacific	Nil	Nil
Hydropacs	Pacific, Indian Ocean	Nil	2006 series: 375 496 523 524 802 1049 1129.
Hydrolants	Atlantic, Mediterranean	Nil	2005 series: NIL

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 7083-6	-Ldg Lts 162°. Front	20 56.1 55 19.4	Dir F R	30	7	Black ◻, white band, on black tower, white top 9	Intens 153 ⁰ -171 ⁰ (18 ⁰) *
D 7083-61	-- Rear. 300m from front	20 56.3 55 19.5	Dir F WRG	38	8	Black ◻, white band, on black tower, white top 8	Intens 153 ⁰ -171 ⁰ (18 ⁰) *
D 7310	- Inner Harbour. Aden Gulf Terminal. Detached Dolphin. Head	12 47.97 45 00.07	Lit				*
*	*	*	*	*	*	*	*
E 6021-55	<i>No lLt F</i>	29 39.49 32 32.42	LF1 W 10s	6	9	Red ◯ on red and white striped float	Racon *
E 6022-5	Ras Abu el-Darag	29 22.8 32 33.8	Fl(2)W 20s	50	19	White round tower on white square building	<i>fl 0-3, ec 3, fl 0-3, ec 16-4.</i> Racon *
E 6023-6	Ras Ruahmi	28 43.2 32 49.4	Fl(3)W 20s	22	15	Black GRP tower 10	Racon *
E 6036-5	Sháb Abu Nuhás	27 34.6 33 56.0	Q(3)W 10s	11	7	Red ◻ on beacon	<i>fl 1.</i> Racon *
E 6037	-Shaker Island. SE Point (Shadwan)	27 27.2 34 02.3	Fl(2)W 20s	37	22	White round stone tower, black stripe, white dwelling, black stripes	Vis 187 ⁰ -100 ⁰ (273 ⁰). Racon *
E 6037-3	Sha'b el Erg	27 23.94 33 52.90	VQ(3)W 5s	9	...	◊ on black GRP beacon, yellow band 5	TE 2006 *

E 6040-3	-Chisholm Point	27 56-74 34 30-18	Fl(2+1)W 20s	12	9	White GRP beacon 10	Racon. TE 2006 *
E 6040-72	-Grafton Passage. Jackson Reef. E side	28 00-51 34 28-54	Fl(2)R 5s	9	8	Red GRP tower 5	Synchronized with E6040-74 *
E 6042	-Eilat	29 30-0 34 54-8	Fl W 10s	64	21	White concrete tower, black bands	<i>fl 1.</i> TE 2006 *
E 6059-34	-Basin. SW end	19 34-96 37 15-01	Q R	10	...	GRP lantern	PA * * * *
E 6059-35	-- NW end	19 35-18 37 14-86	Q(3)W 10s	2	...	Concrete beacon	* * * *
E 6059-36	-- NE end	19 35-20 37 14-89	Q(3)W 5s	2	...	Concrete beacon	* * * *
E 6063	- N side	19 36-3 37 14-3	Fl(2)W 5s	11	6	Metal column 9	<i>fl 0-5, ec 1, fl 0-5, ec 3.</i> To be removed (T) 2006 *
E 6063-2	--	19 36-26 37 14-24	Fl G 3s				* * * *
E 6071	<i>Remove from List</i>						
F 1263	Ug Karang	1 44-0 98 42-0	Fl(3)W 17s	41	17	White metal framework structure 40	<i>(fl 0-5, ec 3)x 2, fl 0-5, ec 9-5</i> *
F 1641	-Sungai Duyong	2 10-46 102 17-37	Fl(2)W 5s	6	7	Metal post	* * * *
F 1764	-City Gas Light. Jetty	1 28-27 103 48-47	Fl Y	10	...	White ▽ on white metal framework tower, black stripe	* * * *
F 1764-1	--Dolphin	1 28-29 103 48-44	Fl Y	White △ on white metal framework tower, black stripe	* * * *

K 0875-8	-Bokai. Limo	1 04-72 98 57-25	Fl W 5s	15	12	White beacon	<i>fl 0-5</i>	*
K 1031-7	-	2 37-82 108 10-38	Fl G 5s	...	5	Green△ on green beacon		*
*	*	*	*	*	*	*		*
K 1050-05	Panto Binuangen	6 05-72 105 52-81	Fl W 7-5s	32	16	...	<i>fl 0-5</i>	*
K 1066	Karang Pasir	6 03-83 106 49-29	Fl W 4s	12	12	White GRP beacon 10	<i>fl 0-5</i> .Rarefl. TE 2006	*
K 1082-022	<i>Remove from List</i>							
K 1082-025	<i>Remove from List</i>							
K 1268	-Cilacap. Tg Cimiring. Nusakambangan	7 46-9 109 02-5	Oc W 4s	178	30	White stone tower 32	<i>ec I</i> . Ra refl. F R is shown when firing practice is taking place in the vicinity and a similar light is shown on the boat pier at Sentalo Kawat	*
			*					*
K 1272-1	--Rear. 145m from front	7 45-88 109 01-35	Iso W 2s	21	8	White▽ on white tower	<i>ec I</i> . TE 2006	*
K 1410-1	<i>Remove from List</i>							

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS**VOL. 1, 2005***(Last correction: Edition No. 12 dated 16 Jun 2006)*

Page 17, GULF OF OMAN, IRAN, OMAN AND UNITED ARAB EMIRATES, **MARITIME RADIO STATIONS, MRCC**, in approximate position 23°50'N, 54°45'E, **Emirates**, contacts table, row 2 delete telephone +971 4 2022291 and replace by: +971 2 6911103
delete fax +971 4 2212336 and replace by: +971 2 6668180

BA 23/06**13/06**

Page 12, RED SEA, EGYPT, ERITREA, JORDAN, SAUDI ARABIA, SUDAN & YEMEN, **MARITIME RADIO STATIONS, MRCC**, in approximate position 19° 30' N 36° 00' E, **Port Sudan**, contacts table, delete telephone +249 -3122622 and replace by: +249- 311 822622

BA 23/06**13/06**

Page 12, SUDAN, PORT SUDAN (STP) , delete entry and replace by:			
PORT SUDAN (STP)			
19°37'.88 N, 37°13'.85 E	MMSI 006623950	DSC VHF MF HF	OBS
☎ +249(0)311 822622 & 822623		✉ +249(0)311 839362	
Inmarsat B (IOR) 382049159 (Tel) (IOR) 382049160 (Fax) (IOR) 382049161 (Data) (IOR) 394022982 (HSD)		E--MAIL: portsudanradio@hotmail.com	
VHF			
Ch 16 18 19 20		H24	
	Transmits	Receives	Hours of Watch
RT (MF)	2182 2740	2049 2182	H24
RT (HF)			
	4357 (Ch 401)	4065	H24
	6513 (Ch 605)	6212	
	8767 (Ch 817)	8243	
	8770 (Ch 818)	8246	
	13134 (Ch 1220)	12287	
	17326 (Ch 1629)	16444	
TRAFFIC LISTS: All HF frequencies H+00			

BA 23/06**13/06****VOL. 2, 1995***(Last correction: Edition No. 09 dated 01May 2006)*

Page 32, before **OMAN** section insert:

SUDAN

Port Sudan, Tanker Mooring Buoy Racon D 19°24'.10N, 37°19'.37E **76100**

BA 24/06**13/06**

Sawakin Northeastwards, Lt Bn Racon Q 19°09'.73N, 37°24'.45E **76105**

BA 24/06**13/06****BA, VOL. 3 Part 1, NP 283(1), 2002/03***(Last correction: Edition No. 06 dated 16 Mar 2006)***NIL**

VOL. 5, 1997/98

(Last correction: Edition No. 12 dated 16 Jun 2006)

NIL

VOL. 6, 2005

(Last correction: Edition No. 12 dated 16 Jun 2006)

NIL

BA, VOL. 7, 1997/98-PART 2

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

NIL

VOL. 8, 1999

(Last correction: Edition No. 05 dated 01 Mar 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: - 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.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 : 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

107 A, Rajpur Road

PO Box No. 75,

Dehradun- 248001

(UTTARANCHAL), INDIA

E Mail : incho@dataone.in / incho_marinesafety@dataone.in

incho_navwarnings@dataone.in /

incho_helpdesk@dataone.in

Fax No.: 91- 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						