



INDIAN NOTICES TO MARINERS FOR 2008

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

EDITION No. 07 DATED 01 APR 2008

(CONTAINS NOTICES 203 TO 221)

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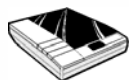
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Mariner's Obligation and A Chart Maker's Plea. Observing Changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. of India at the above mentioned address/fax number/ E mail ID immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and short comings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice.

**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 ON INDIAN CHARTS AND
PUBLICATIONS**
(Original, Authentic and Most Up-to-date)

EXPLANATORY NOTES

Corrections to Charts and Publications. Section I comprises List of Charts (both Indian and BA) affected by the notices contained in this edition. Where as sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are True, reckoned clockwise from 000° to 359° . Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart INT 1 (5020).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section X.

Temporary and Preliminary Notices. These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. These corrections are not inserted on charts before they are issued to the users. They should be inserted in pencil, by the user, on receipt.

Source of Information. A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

Sailing Directions. Corrections for the Sailing Directions (Pilots) are given in Section VI.

Lights. Corrections to Indian list of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the list of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

Radio Signals. The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

Radio Navigational Warnings.

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which can not always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

- (a) The positions of Hydrographic objects shown on most of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Where ever these differences have been ascertained, their average values are published as a cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.
- (c) These datum shift values are not uniform, particularly in areas off Andaman & Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

Source Data on Charts. All Indian charts contain specific information on their source of hydrographic data. In areas where the source data is very old, incomplete and less reliable, the mariner must use such Charts with prudence. Mariner should always use the largest scale charts available for the area. Apart from being the most detailed, the larger scale charts are usually corrected first. Hydrographic information may be sparse on small scale charts. On such charts, a charted shoal may be in error as regards position, least depth and extent. Uncharted dangers may also exist, particularly in areas away from well-established routes. Mariners must exercise due caution.

Further Guidance. The Mariner's Hand Book (NP 100) gives full explanation on the use of charts and the type of information contained on charts. In their own interest, all users of charts should refer to it.

INDIAN CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

(a) **NEW PUBLICATIONS**

Nil

(b) **NEW INDIAN CHARTS**

NIL

(c) **NEW EDITION INDIAN CHARTS**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2010	15-03-2008	<p align="center">KARWAR NAVAL HARBOUR</p> <p align="center"><u>Limits</u> 14° 42'.70N; 74° 05'.00E. 14° 47'.00N; 74° 11'.90E.</p>	12 500	3	Rs. 1360.00
2011	01-03-2008	<p align="center">JAIGARH HARBOUR</p> <p align="center"><u>Limits</u> 17° 15'.00N; 73° 07'.00E. 17° 21'.60N; 73° 16'.00E.</p>	25 000	3	Rs. 1360.00
		<p align="center">PORT DABHOL</p> <p align="center"><u>Limits</u> 17° 31'.45N; 73° 02'.50E. 17° 38'.00N; 73° 11'.60E.</p>	25 000	3	
2028	31-01-2008	<p align="center">APPROACHES TO RATNAGIRI</p> <p align="center"><u>Limits</u> 16° 51'.80N; 73° 03'.60E. 17° 12'.50N; 73° 19'.30E.</p>	60 000	3	Rs. 1360.00
		<p align="center">MIRYA AND RATNAGIRI BAYS</p> <p align="center"><u>Limits</u> 16° 57'.00N; 73° 13'.60E. 17° 02'.21N; 73° 17'.80E.</p>	15 000	3	
3003	15-03-2008	<p align="center">PONDICHERY ANCHORAGE</p> <p align="center"><u>Limits</u> 11° 52'.00N; 79° 48'.50E. 11° 58'.33N; 79° 57'.31E</p>	25 000	5	Rs. 1360.00
		<p align="center">CUDDALORE ANCHORAGE</p> <p align="center"><u>Limits</u> 11° 40'.00N; 79° 45'.70E. 11° 46'.80N; 79° 54'.50E</p>	25 000	5	

(d) INDIAN CHARTS PERMANENTLY WITHDRAWN

<i>Chart to be withdrawn</i>	<i>Date of Publication</i>	<i>Main Title</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
2010	15-10-2005	KARWAR HARBOUR	2010 (NE)	15-03-2008
2011	31-12-2003	JAIGARH HARBOUR	2011 (NE)	01-03-2008
		PORT DABHOL		
2028	31-12-2003	APPROACHES TO RATNAGIRI	2028 (NE)	31-01-2008
		MIRYA AND RATNAGIRI BAYS		
3003	31-12-2004	PONDICHERRY ANCHORAGE	3003(NE)	15-03-2008
		CUDDALORE ANCHORAGE		

(e) NEW INDIAN ELECTRONIC NAVIGATIONAL CHARTS:

Sl. No.	Cell Name	Chart No.	Title	Publication Date
1	IN52006M	2006	MINICOY ISLAND	31-08-2007

(f) NEW EDITION ELECTRONIC NAVIGATIONAL CHARTS:

Nil

(g) ENC'S PERMANENTLY WITHDRAWN:

Nil

(h) FORTHCOMING CHARTS AND PUBLICATIONS

Chart No	Title	Scale	Remarks
2045 (INT 7360)	PORT OF KOCHI (COCHIN)	7 500	New Edition
2083	APPROACHES TO SIKKA RELIANCE TANKER BERTHS	37 500 5 000	New Edition
3005	GOPALPUR PORT MACHILIPATNAM ANCHORAGE	30 000 35 000	New Edition

AVAILABILITY OF ENC'S:

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP) and UKHO. UKHO distributes Indian ENC's through the world wide net work of their agents and distributors. Details of UKHO agents / distributors may be obtained from UKHO web site www.ukho.gov.uk Updates are also made available as per the existing policy of the distributor. Mariners and other ENC users may contact the under mentioned for further details:

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SECTION – I
List of charts affected by
The Notices 203 to 221 contained in this Edition

INDIAN H.O. Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
22 INT(752)	3	205	701 INT(752)	37	210
31	5	218(P), 219(T), 220(P)	1312	46	203
32 INT(754)	5	218(P), 219(T)	1789	46	203
203 INT(7319)	2	204, 215(T)	3175 INT(7212)	40	211
225	4	212	3176 INT(7216)	40	211
263 INT(7383)	4	212	3412 INT(7219)	40	211
264	4	212	3721	46	203
268 INT(7353)	4	205, 217(T)	3758	46	203
273	4	216(T)	3831	45	214
308	5	219(T)	3871	37	210
351	5	220(P)	3872	37	210
352 INT(7416)	5	209	3877	36	210
354 INT(7408)	5	219(T)	4030	45	213
355 INT(7405)	5	218(P)	4031	45	213
356 INT(7400)	5	207	4032	45	213
2006	4	206, 216(T)	4033	45	213
2023	4	205, 217(T)	4040	45	213
2047	4	205			
2060	2	215(T)			
2063	4	212			
2068	2	215(T)			
2079	2	204, 215(T)			
2080	2	204			
3002 INT(7410)	5	219(T)			
3012 INT(7411)	5	208, 219(T)			
3017	5	220(P)			

SECTION – II: PERMANENT NOTICES
INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS

203(07/08)	Miscellaneous updates to charts	
Source: BA Notice 1282/08		
Chart No.	Previous Updates	Details
BA Chart 1312	105/08	Insert magenta limit and chart reference, 2870 (see note – POSITIONS), as follows:
		North: 1° 36'·0N. East: 109° 23'·0E.
		South: 1° 18'·0N. West: 104° 53'·0E.
		Substitute accompanying note, CHARTS 1336, 2403, 2868, 2869 AND 2870: POSITIONS, for existing note, CHARTS 1336, 2403, 2868, AND 2869: POSITIONS, centred on 2° 28'·2S., 103° 29'·0E.
BA Chart 1789	483/07	Insert accompanying note, CHART 2870: POSITIONS, centred on 1° 01'·6S., 103° 42'·1E.
BA Chart 3721	299/07	Insert accompanying note, CHART 2870: POSITIONS, centred on 0° 14'·1N., 109° 13'·3E.
BA Chart 3758	664/07	Insert accompanying note, CHART 2870: POSITIONS, centred on 2° 02'·3S., 110° 14'·1E.

*** 204(07/08) INDIA - West Coast – Approaches to Mundra Port – Anchoring and Fishing Prohibited area – Pipe Line – Depth.**

Source: NHO Dehradun

(HJ/1031/20)

Chart 203 (INT 7319) [previous update 173/08]

Substitute depth 19₇ enclosed by 20m contour 22° 39'·00N., 69° 19'·70E.
for depth 9₁m enclosed by 10m contour

Chart 2080 [previous update 147/08]

Insert Anchoring & Fishing Prohibited, , joining: 22° 45'·79N., 69° 47'·95E.

(Existing Limit)

22° 47'·80N., 69° 51'·22E.

and

22° 44'·84N., 69° 50'·10E.

(Existing Limit)

22° 46'·20N., 69° 52'·40E.

Submarine pipeline, , joining: 22° 45'·35N., 69° 49'·00E.

22° 46'·50N., 69° 51'·00E.

Delete Anchoring & Fishing Prohibited, , joining: 22° 45'·79N., 69° 47'·95E.

22° 48'·80N., 69° 48'·10E.

22° 50'·85N., 69° 51'·25E.

and

22° 44'·84N., 69° 50'·10E.

22° 47'·80N., 69° 50'·20E.

22° 49'·25N., 69° 52'·55E.


Submarine pipeline, , joining: 22° 45'·35N., 69° 49'·00E.

22° 48'·35N., 69° 49'·08E.

22° 49'·50N., 69° 51'·00E.

***204/(07/08) INDIA - West Coast – Approaches to Mundra Port – Anchoring and Fishing Prohibited area – Pipe Line – Depth. (Continued)**

Chart 2079 [previous update 174/08] (WGS 84 Datum)

Insert Anchoring & Fishing Prohibited, , joining: 22° 45'·79N., 69° 47'·95E.
(Existing Limit)
22° 47'·40N., 69° 50'·60E.
(N Border)

and

22° 44'·84N., 69° 50'·10E.
(Existing Limit)
22° 45'·20N., 69° 50'·70E.
(E Border)

Delete Anchoring & Fishing Prohibited, , joining: 22° 45'·79N., 69° 47'·95E.
22° 47'·40N., 69° 48'·02E.
(N Border)

And

22° 44'·84N., 69° 50'·10E.
22° 47'·40N., 69° 50'·20E.
(N Border)

***205/(07/08) INDIAN – OCEAN – Central Lakshadweep – Kiltan Island, Kadmat Island, Agatti Island – Racon.**

Indian List of Light Vol. F and K 2003, F – 0754, 0754.2, 0754.7

Source: DLL Cochin

(HJ/1030/16)

Chart 22(INT 752) [previous update 181/08]

Insert Racon O, at light 11° 28'·2N., 73° 00'·5E.
Racon G, at light 11° 15'·4N., 72° 47'·4E.
Racon B, at light 10° 52'·5N., 72° 12'·3E.

Chart 268 (INT 7353) [previous update 119/08]

Insert Racon O, at light 11° 28'·2N., 73° 00'·5E.
Racon G, at light 11° 15'·4N., 72° 47'·4E.
Racon B, at light 10° 52'·5N., 72° 12'·3E.

Chart 2023 (Plan Kiltan Island) [previous update 654/07]

Insert Racon O, at light 11° 28'·20N., 73° 00'·50E.

Chart 2047 (Plan Kadmat Island) [previous update 163/06]

Insert Racon G, at light 11° 15'·39N., 72° 47'·44E.

Chart 2047 (Plan Kalpitti to Parali Island) [previous update 163/06]

Insert Racon B, at light 10° 52'·50N., 72° 12'·31E.

*** 206/(07/08) INDIA -LAKSHADWEEP – Minicoy Island – Mooring Buoy.**

Source: Hydrographic Note INS Nireekshak

(HJ/930/86)

Chart 2006 [previous update NC 31 Aug 07] WGS 84 Datum


Substitute  for  08° 17'·14N., 73° 04'·19E.

***207/(07/08) INDIA – EAST COAST – Chennai (Madras) to Ramaypatnam- Dumping Ground.**

Source: Krishnapatnam Port Company Ltd.

(HJ/1029/49)

Chart 356(INT 7400) [previous update 132/08]

Insert Dumping ground area  joining: (a) 14° 17'·18N., 80° 16'·97E.
 (b) 14° 16'·07N., 80° 16'·97E.
 (c) 14° 16'·07N., 80° 17'·51E.
 (d) 14° 17'·18N., 80° 17'·51E.

legend, “*Dumping Ground for Sand*” within: (a) – (d) above*** 208/(07/08) INDIA – EAST COAST – Visakhapatnam Harbour – Berths – Depths.**

Source: NHO Dehradun

(HJ/1029/76)

Chart 3012 INT(7411) [previous update 96/08]

Insert the accompanying block, showing new jetty and depths,
 centered on: 17° 42'·40N., 83° 17'·50E.

*** 209/(07/08) INDIA – EAST COAST – Gopalpur to Paradip – Obstruction.**

Source: Paradip Port Trust

(HJ/1129/03)

Chart 352(INT 7416) [previous update 226/07]Delete  *Obstn* 20° 03'·87N., 86° 41'·33E.**210/(07/08) MADAGASCAR - West Coast - Majunga Westwards - Pte. de Katsépé - Light.**

Indian List of Light Vol. D and E, 2003, D – 7034

Source: BA Notice 1197/08

(HJ/733/43)

BA Chart 701 (plan, Baie de Bombetoke) [previous update 253/07]

Amend light to, Fl.10s384ft23M 15° 42'·88S., 46° 13'·01E.

BA Chart 701 [previous update 253/07]

Amend light to, Fl.10s23M 15° 42'·88S., 46° 13'·02E.

BA Chart 3871 [previous update 599/07]

Amend light to, Fl.10s23M 15° 42'·9S., 46° 13'·0E.

BA Chart 3872 [previous update 332/05]

Amend light to, Fl.10s23M 15° 42'·8S., 46° 13'·0E.

BA Chart 3877 (INT 7055) [previous update 328/07]


Insert light to, Fl.10s23M 15° 43'·0S., 46° 12'·3E.

211/(07/08) UNITED ARAB EMIRATES - Sharjah (Ash Shariqah) - Buoy. Submarine pipeline.


Source: BA Notice 1210/08

(HJ/1132/54)

BA Chart 3175 (INT 7212) [previous update 627/07]

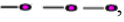
Substitute  Q.Y for  Q(9) 25° 21'·42N., 55° 21'·81E.

BA Chart 3176 (INT 7216) [previous update 187/08]

Substitute  Q.Y for  Q(9) 25° 21'·42N., 55° 21'·81E.

BA Chart 3412 (INT 7219) [previous update 496/07]

Substitute  Q.Y for  Q(9) (a) 25° 21'·42N., 55° 21'·81E.

Insert Submarine intake pipeline, , from: (a) above
to: 25° 21'·39N., 55° 22'·05E.(shore)

212/(07/08) SRILANKA - West Coast - Approaches to Colombo - Submarine cable.

Source: BA Notice 1372/08

(HJ/930/60)

Chart 263 (INT 7383) [previous update 131/08]


Insert Submarine cable, , joining: 6° 55'·2N., 79° 50'·6E. (shore)
6° 54'·6N., 79° 49'·9E.
6° 54'·7N., 79° 49'·4E.
6° 53'·6N., 79° 48'·1E.
6° 51'·4N., 79° 42'·2E.
6° 49'·6N., 79° 40'·4E.
6° 47'·6N., 79° 40'·3E.

Chart 264 [previous update 131/08]



Insert Submarine cable, , joining: 6° 55'·2N., 79° 50'·6E. (shore)
6° 54'·6N., 79° 49'·9E.
6° 54'·7N., 79° 49'·4E.
6° 53'·6N., 79° 48'·1E.
6° 51'·4N., 79° 42'·2E.
6° 49'·6N., 79° 40'·4E.
6° 47'·6N., 79° 40'·3E.

Chart 225 [previous update 131/08]

Insert Submarine cable, , joining: 6° 55'·22N., 79° 50'·57E. (shore)
6° 54'·63N., 79° 49'·93E.
6° 54'·71N., 79° 49'·39E.
6° 53'·57N., 79° 48'·05E.
6° 53'·14N., 79° 46'·50E.
6° 51'·83N., 79° 43'·78E.
6° 51'·38N., 79° 42'·21E.
6° 50'·72N., 79° 41'·25E.
6° 49'·60N., 79° 40'·36E.
6° 47'·56N., 79° 40'·33E.

Chart 2063 [previous update 131/08]

Insert Submarine cable, , joining: 6° 55'·22N., 79° 50'·57E. (shore)
6° 54'·63N., 79° 49'·93E.
6° 54'·71N., 79° 49'·39E.
6° 53'·57N., 79° 48'·05E.
6° 53'·21N., 79° 46'·88E.

(Title Note)

213(07/08) SINGAPORE - Jurong Island - Jetties. Coastline. Depths. Restricted area. Works. Fairways. Anchorage areas. Dredged depths. Berths. Lights. Buoyage. Legend.

Indian List of Light Vol F & K 2003; F- 1685.65, 1685.73, 1685.74

Source: BA Notice 1182/08

(HJ/927/16)

BA Chart 4030 [previous update 46/08]

Amend legend to, Works in progress (2007), centred on: 1° 15'·786N., 103° 39'·184E.
1° 14'·522N., 103° 39'·764E.

BA Chart 4031 [previous update 577/07]

Insert  Fl.Y.4s11m3M MD1 1° 13'·937N., 103° 41'·127E.
Y


 Fl.Y.6s12m3M MD21 1° 14'·350N., 103° 41'·485E.
Y

Amend legend to, Works in progress (2007), centred on: 1° 15'·792N., 103° 39'·176E.
1° 14'·523N., 103° 39'·766E.

Delete maritime limit, pecked line, joining: 1° 13'·447N., 103° 40'·699E.
(E limit of block)
1° 13'·489N., 103° 40'·766E.
1° 13'·681N., 103° 41'·023E.
1° 13'·817N., 103° 41'·097E.
1° 13'·923N., 103° 40'·992E.

BA Chart 4032 [previous update 157/08]

Insert  Fl.Y.4s11m3M MD1 1° 13'·937N., 103° 41'·127E.
Y

 Fl.Y.6s12m3M MD21 1° 14'·350N., 103° 41'·485E.
Y

Delete maritime limit, pecked line, joining: 1° 13'·447N., 103° 40'·699E.
(E limit of block)
1° 13'·489N., 103° 40'·766E.
1° 13'·681N., 103° 41'·023E.
1° 13'·817N., 103° 41'·097E.
1° 13'·923N., 103° 40'·992E.

BA Chart 4033 [previous update 609/07]

Amend legend to, Works in progress (2007), centred on: 1° 15'·800N., 103° 39'·160E.

BA Chart 4040 [previous update 163/08]

Amend legend to, Works in progress (2007), centred on: 1° 14'·98N., 103° 39'·49E.

214(07/08) SINGAPORE -Kuala Johor -Johor Shoal North-eastwards - Buoy.

Source: BA Notice 1281/08

(HJ/927/15)

BA Chart 3831 [previous update 196/08]

Amend *S Nelayan* light-buoy to, *Q(6)+LFl.15s* 1° 20'·09N., 104° 05'·01E.

SECTION – III: TEMPORARY AND PRELIMINARY NOTICES***215(T)(07/08) INDIA - WEST COAST – Gulf of Kachchh – Deep Water Route - Buoys.**

Source: DLL Jamnagar

(HJ/1131/20)

1. Following Buoys are reported unlit:
 - (b) Kachchh Buoy 22°38′.05N., 69°12′.80E
 - (c) Gurur Buoy 22°35′.40N., 68°58′.04E
2. Mithapur Buoy in position 22°24′.75N., 69°51′.85E, Chandri Buoy in position 22°37′.17N., 69°07′.49E are relaid and lit.
3. Mariners to exercise caution.

4. Cancel former INM 197(T)/08**Charts affected – 203(INT 7319) –2068 – 2060 – 2079*****216(T)(07/08) INDIA – LAKSHADWEEP – Minicoy Island – Construction work.**

Source: Hydrographic Note INS Nireekshak

(HJ/930/86)

1. A jetty is under construction at Minicoy Island near mooring buoy in position 08°17′.14N., 73°04′.04E (WGS 84 Datum).
2. Mariners to exercise caution.

Charts affected – 273 - 2006***217(T)(07/08) INDIA – LAKSHADWEEP – Kavaratti Island – Construction work.**

Source: Hydrographic Note INS Nireekshak

(HJ/1030/07)

1. A jetty is under construction at Kavaratti Island near light house in position 10°33′.70N., 72°38′.9E
2. Mariners to exercise caution.

Charts affected – 268(INT 7353) - 2023***218(P)(07/08) INDIA - EAST COAST – Ramaypatnam to Sacramento Shoal – Construction work.**

Source: Reliance Industries Limited

(HJ/1029/67)

1. Under the provision of Production Sharing Contract (PSC) with Govt of Indian, Reliance Industries Ltd. is developing/Installing offshore oil and gas field facilities off Kakinada. Project include drilling and completion of subsea wells, construction/ Installation of subsea pipeline, umbilicals, Xmas trees, structure and other fixed/floating platform.
2. The area of construction activates for the facilities is peripherally bounded by the following Coordinates:
 - (a) D1-D3 Gas Project development area with subsea hardware (Pipeline, Umbilicals, Deepwater PLEMs, Manifolds etc

16°43′.5N.,	82°21′.5E
16°42′.5N.,	82°23′.5E
16°34′.5N.,	82°30′.0E
16°29′.0N.,	82°30′.0E
16°30′.0N.,	82°37′.5E
16°44′.0N.,	82°24′.0E
16°44′.5N.,	82°21′.5E

***218(P)(07/08) INDIA - EAST COAST – Ramaypatnam to Sacramento Shoal – Construction work. (Continued)**

- (b) MA Oil and Gas Project Development Area with Subsea hardware (Pipeline, Umbilicals, Manifolds etc)

16°43'·5N., 82°40'·0E

16°41'·0N., 82°40'·0E

16°41'·0N., 82°43'·0E

16°43'·5N., 82°42'·5E

- (c) The construction activities in respect of Major fixed/ Floating latform will be within 1 KM of the following Coordinates

CRP(Control Cum Riser Platform) 16°39'·6N., 82°27'·7E

FPSO(Floating Production Storage and Offloading) 16°42'·5N., 82°41'·1E

3. Production from these fields is expected to commence by June- July 2008. Installation work for the initial phase is expected to continue till April 2009

4. Mariners to exercise caution and keep clear of the above highly sensitive area.

Charts affected – 31 – 32(INT 754) – 355(INT 7405)

***219(T)(07/08) INDIA - EAST COAST – Approaches to Visakhapatnam – Lightrage area**

Source: Visakhapatnam Port Trust and Navarea VIII 111/08

(HJ/1029/76)

1. Lightrage operation is in progress around 01NM of Visakhapatnam roads within the Port limit of Visakhapatnam Port, at lightrage Point 17°42'·0N., 83°23'·0E.
2. In view of lightrage operation, the position mentioned has been designated as temporary lightrage point.
3. All Mariners are cautioned to keep minimum clearance of 01NM radius from the position.

Charts affected – 31 – 32(INT 754) – 354(INT 7408) – 308 – 3002(INT 7410) – 3012(INT 7411)

***220(P)/(07/08) INDIA – EAST – COAST – Approaches to Dhamra River – Construction Work.**

Source: DPCL (The Dhamra Port Company Limited)

(HJ/1129/02)

1. The Dhamra Port Company Limited (DPCL) in a joint venture of L & T and Tata Steel.
2. During Phase I DPCL is constructing two fully mechanized berth of 350m each along with backup facilities for handling import of caking coal, steam/thermal coal, limestone and export of Iron ore. This construction work is in progress in area bounded by following co-ordinates:
 - (a) 20° 46'·0N., 86° 57'·0E.
 - (b) 20° 46'·0N., 87° 00'·0E.
 - (c) 20° 50'·0N., 87° 00'·0E.
 - (d) 20° 50'·0N., 86° 57'·0E.
3. Phase I of construction work is commenced and Port is expected to be ready for commercial operational by March 2010.
4. Mariners to exercise caution.

Charts affected – 31 – 351 - 3017

***221(T)/(07/08) Temporary and Preliminary Notices (in force as on 01 Apr 2008)**
INM *059(T) (01/08) is cancelled.

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

Notice No.	Charts Affected	Description
207 (T)/03	B.A. 671-2968 (INT7000)	SOMALIA – Muqdisho (Moghadishu) – Port development. Pilot boarding place.
172 (P)/04	B.A. 1358 -3933 - 3947-4041	SINGAPORE STRAIT – Malacca Strait – Indonesia – Pulau Batam. North Coast to Sumatra, East Coast, Dumai – Submarine Cable.
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.
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.
592 (P)/05	BA 262 (INT 7115)	DJIBOUTI-Approaches to the Port of Djibouti –Buoyage .Jetty. Pilot boarding place.
55 (P)/06	BA 15 16	SAUDI ARABIA - Red Sea Coast - Jizan - Dredged areas. Channel. Reclamation areas. Harbour development.
56 (P)/06	BA 3782 3787 (INT 7245) 3950	QATAR - Approaches to Doha (Ad Dawhah) - Approaches to Mesaieed (Musay‘id or Umm Said) - Dredging areas. Buoyage.
135 (P)/06	B.A. 2882(INT 7264)-2883 - 2886 -3719 -3776 -3777 - 3788 -3790 (INT 7252)-3812	SAUDI ARABIA - East Coast - - Buoyage
227 (P)/06	BA. 12	SAUDI ARABIA -Red Sea Coast -Port of Duba - Dredging area.Works.
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.
409 (P)/06	B.A. 81 82	SUDAN - Sawakin - Light-beacons. Berths.
445 (P)/06	20 21 286 291 2088 2094 2095 2096 7703 (INT703) 7705 (INT 705) 8009 8010 B.A.12 15 81 82 143 (INT 7005) 157 (INT 7006) 158 (INT 7008) 159(INT 7010) 164 (INT 7124) 333 452 (INT 7117) 453 (INT 7116) 542 1925 1926 2133 (INT 7139) 2373 2374 2375 2599 2658 2659 2851 3661 (INT 7162) 3785.	ARABIAN SEA - RED SEA - Submarine cables.
446 (P)/06	20 21 22(INT 752) 255(INT 7334) 291 292 (INT 7021) 2016 (INT 7336) 2088 2094 2095 2096 7705 (INT 705) 7706 (INT 706) B.A. 2851	ARABIAN SEA - Seeb to Mumbai (Bombay) - Submarine cable.
513 (P) /06	B.A. 3520 (INT 7200) – 3526	GULF OF OMAN - United Arab Emirates - Khawr Fakkan - Works. Breakwater. Buoyage. Anchorage areas
550 (T) /06	B.A. 1214 -1223 -1235 (INT 7289) -2882 (INT 7264) - 2884 (INT 7278) -3773	KUWAIT - - Measuring instruments. Buoyage
576 (T) /06	B.A. 3171 -3174 -3411 (INT 7218) -3713-3715-3951	UNITED ARAB EMIRATES - North and East Coasts - Data buoys

577 (P) /06	20 B.A.1224 -2858 -2882 (INT 7264) -2883 -2886 -3718 -3719 -3773 -3774 -3775 -3776 -3777 -3788 -3790 (INT 7252) -3812	SAUDI ARABIA - East Coast - - Buoyage. Restricted areas
598 (P) /06	20 B.A.2882(INT 7264) -2883 -2886 -3773 -3777 -3788 -3790(INT 7252) -3812	SAUDI ARABIA - East Coast - Al Khubar to Al Kuwayt, KUWAIT - Submarine cable
599 (P) /06	20 B.A. 2882 (INT 7264) -2883 - 2886 - 3735 (INT 7259) - 3737 (INT 7255) -3738 (INT 7254) -3777 -3788-3790 (INT 7252) -3812	BAHRAIN - Al Manama to SAUDI ARABIA, Al Khubar - Submarine cable
600 (P) /06	20 – 8004 B.A. 1214 -2441 -2442-2443 -2523 (INT 7250)-2882 (INT 7264) -2883-2886 -2889 (INT 7211) -3172 -3173 -3599 -3773	KUWAIT -Al Kuwayt to Bandar 'Abbas, IRAN - Submarine cable
601 (P) /06	20 – 8004 B.A. 2442 -2443 -2886 -2889 (INT 7211) -3174 -3950	UNITED ARAB EMIRATES - QATAR - Submarine cables
108(P) /07	B.A. 2887 (INT 7232) -2889 (INT 7211) -3175 (INT 7212) -3176 (INT 7216) -3411(INT 7218)- 3412 (INT 7219) -3739 (INT 7220)	UNITED ARAB EMIRATES - Approaches to Dubai (Dubayy) - Approaches to Jebel Ali (Mina Jabal Ali) - Reclamation areas. Buoyage. Works. Restricted areas. Anchorage areas. Breakwaters.
221(T)/07	B.A. 2523 (INT 7250) -3791 - 3950	QATAR - Ras Laffan - Anchorage areas.
374(P)/07	B. A. 3713 -3715	UNITED ARAB EMIRATES - Abu Dhabi (Abu -Zaby) -Khawr al Bighal, Approaches to Umman Nar, Khawr al Baṭīn - Buoyage. Lights. Leading line. Depth information. Works.
375(P)/07	B.A. 1235 (INT 7289)- 1265 (INT 7291) – 2884 (INT 7278)-3773-3842(INT 7292).	ARABIA - Approaches to the Shaṭṭal . Arab -Khawr al Amaya and Khawr al Kafka -Depths. Wrecks. Obstructions. Buoyage. Beacon. Light.
421(P)/07	BA 2523 (INT 7250) - 3789 -3791 - 3950	QATAR - Ra.s Laffan - Works. Berths. Buoyage. Dredging areas. Reclamation areas.
422(P)/07	BA 3777 -3788 -3790 (INT 7252) -3812	SAUDI ARABIA - East Coast - Approaches to Ad Dammam - Dredging areas. Works.
470(P)/07	BA 2442 -2443 -2444 -2523 (INT 7250) -2858 -2886 -2887 (INT 7232) -2889 (INT 7211) -3176(INT 7216) -3177 -3791 -3950	QATAR - UNITED ARAB EMIRATES - Submarine pipeline.
489(P)/07	BA 1223 -3773	KUWAIT - Mina -. Ash Shuaybah South-eastwards and Mina. Al Ahmadi-North-eastwards - Buoyage. Dredging area. Works. Pier. Submarine pipelines.
621(T)/07	7071 (INT 71) – 7072 (INT 72) -7704 (INT 704), B.A. 143 (INT 7005) -157 (INT 7006) – 2964 (INT 758)	RED SEA – Jazirat at Tair - Light.
649(T)/07	B.A. 233 - 2133 (INT 7139) - 3214	EGYPT - Suez Canal - Port Said (Būr Sa'īd) to Suez Bay - Channel depths.
668(P)/07	B.A. 7 - 3660	YEMEN - Gulf of Aden - Aden Inner Harbour - Buoyage.
054(T)/08	B.A. 1495 (INT 7736) – 1497 (INT 7735)	INDIAN OCEAN - La Réunion - Approaches to La Réunion - Fish havens.
055(T)/08	B.A.563- 2741 - 2756 - 2757	INDIAN OCEAN - Comores - Ile de Mayotte - Fish havens.
202(P)/08	20 - 289 -288 B.A. 2523(INT 7250)- 2883 – 2886 – 3791 – 3950	QATAR – Ra's Laffan North-eastwards and East-north-eastwards - Buoyage. Submarine pipelines. Platforms. Wells. Submarine cables.

2. INDIA WEST COAST - INDIAN OCEAN

330(P)/01	2076 2016	INDIA – West Coast – Mumbai Harbour – Jawahar Lal Nehru Port – Port Development
102(P)/02	2044 2101	INDIA– West Coast – Approaches to Hazira – Submarine pipeline
446 (T)/02	2025 217 258 (INT 7348)	INDIA – West Coast – Approaches to Mangalore Harbour– Sunken Pontoon
176 (P)/03	2076 2016	INDIA – West Coast – Jawaharlal Nehru Port – Jetty
92 (T)/04	208 209 2019 2044	INDIA – West Coast – Approaches to Magdalla – Submarine Pipeline.
137 (T)/04	21 203 2068 7705 (INT 705)	INDIA – West Coast – Gulf of Kachchh – Ballast Split.
407(T)/04	211 255 (INT 7334) 292 (INT 7021) 2016	INDIA – West Coast – Approaches to Mumbai – Restricted area.
485(T)/04	211 255 (INT 7334)	INDIA – West Coast – Off Mumbai – Submarine Pipeline.
507(P)/04	2002 (INT 7351) 2052 (INT 7350)	INDIA – West Coast – Port of New Mangalore and Mangalore – Depth.
50(P)/05	2018 (INT 7321) 2059 (INT 7322) 2080	INDIA – West Coast – Kandla – Sogal Channel – Buoy. Jetty.
102(P)/05	2021 2068 2080	INDIA – West Coast – Gulf of Kachchh – Mundra Port – Work.
72 (P)/06	2003 2053.	INDIA –WEST COAST – Sacrifice Rock to Bepore – 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.
256 (P)/06	21 22(INT 752) 211 255(INT 7334) 292 (INT 7021) 293 (INT7022) 2016 (INT 7336) 7705(INT705) 7706 (INT 706)	INDIA – West Coast – Inner Approaches to Mumbai.
441 (P)/06	213 256(INT 7340)	INDIA – West Coast – Ratnagiri to Vengurla – Wreck.
496 (T)/06	255 (INT 7334) – 211 – 2016 (INT 7336)	INDIA – West Coast – Inner approaches to Mumbai – Obstruction
511 (T)/06	2012	INDIA – West Coast – Alleppey Anchorage – Jetty
596 (T)/06	2011 - 212	INDIA – West Coast –Port Dabhol – Breakwater, Buoy, Dolphin
167(T) /07	2016(INT 7336)-2015(INT 7337) - 2076-2001	INDIA – West Coast – Port of Mumbai – Buoys.
216(P) /07	2077 - 2028	INDIA – West Coast – Kochi (cochin) harbour – buoys.
306(T) /07	254(INT 7331) – 208 – 209 – 2044 – 2101 - 2019	INDIA - WEST COAST – Approaches to Magadalla -Tapi Channel – Buoys.
372(T) /07	2008 – 2010	INDIA - WEST COAST –Karwar harbour – Buoy.
512(T)/07	208 – 2039 - 2082	INDIA - WEST COAST –Approaches to Dahej – Baruch Channel - Buoy.
543(T)/07	2101 - 2034	INDIA – WEST COAST – Hazira Port – Channel – Dredging Area.
544(T)/07	2016(INT 7336) - 2076	INDIA – WEST COAST – Inner approaches to Mumbai – Jawahar lal Nehru Port & Trombay – Depths.
582(T)/07	2008.	INDIA – WEST COAST – Karwar harbour and approaches – Channel .Depth.
617(P)/07	2073 – 217 – 216 – 258 (INT 7348) – 257 (INT 7343) – 272 – 293 (INT 7022) – 22 (INT 752).	INDIA – WEST COAST – Approaches to Kundapura (Coondapoor) – Light.
618(T)/07	2008 - 2010.	INDIA – WEST COAST – Karwar Harbour and Approaches – Transit Marks.
619(T)/07	2008 - 2010.	INDIA – WEST COAST – Karwar Harbour – Channel Buoy.
647(T)/07	21 – 203(INT 7319) – 2079 – 2080 – 2083 – 2033.	INDIA – WEST COAST – Gulf of Kachhh – Construction Work.
667(P)/07	2008	INDIA WEST COAST - Karwar Harbour – Construction Work.
107(T)/08	255(INT 7334) – 211 – 2016(INT 7336) – 2015(INT 7337)	INDIA - WEST COAST – Port of Mumbai – Light.

108(P)/08	22(INT 752)- 214 – 257(INT 7343) – 293(INT 7022) – 2020 – 2022(INT 7345) – 2078(INT 7346).	INDIA - WEST COAST – Approaches to Mormugao - Construction Work.
110(T)/08	21- 22(INT 752)- 23- 31-32- 33- 41- 357 - 407-472 – 473 - 258(INT 7348) -217 -272-293 (INT 7022) 2052(INT 7350)- 2002 (INT 7351)	INDIA EAST AND WEST COAST– ARABIAN SEA – ANDAMAN SEA – Data Buoys.
140(T)/08	254(INT 7331) – 207.	INDIA – WEST - COAST – Diu Head to Gopnath Point – Buoys.
141(T)/08	21 – 211 – 255(INT 7334) – 292(INT 7021) – 293(INT 7022) – 2016(INT 7336)	INDIA - WEST COAST – Approaches to Mumbai - Lightrage Operation
169(T)/08	21 – 31- 33 - 292(INT 7021)- 271	INDIA EAST AND WEST COAST– ARABIAN SEA – ANDAMAN SEA – Tsunami Data Buoys.
171(T)/08	2040	INDIA - WEST COAST – Porbandar Anchorage – Depth.
198(T)/08	2020 – 2078(INT 7346)	INDIA - WEST COAST – Port of Mormugao – Buoy.
199(T)/08	22(INT 752) –215 – 216 – 217 – 257(INT 7343) – 258(INT 7348) – 272 – 293(INT 7022) – 2008 – 2024 - 2071	INDIA - WEST COAST –Arabian Sea – Data Buoys.
215(T)/08	203(INT 7319) –2068 – 2060 – 2079	INDIA - WEST COAST – Gulf of Kachchh – Deep Water Route - Buoys.
216(T)/08	273 - 2006	INDIA – LAKSHADWEEP – Minicoy Island – Construction work.
217(T)/08	268(INT 7353) - 2023	INDIA – LAKSHADWEEP – Kavaratti Island – Construction work.

3. INDIA EAST COAST - ANDAMAN NICOBAR, SRI LANKA

63 (T)/03	4001 4014 403	INDIA – Bay of Bengal – Middle Andaman – Rangat Bay – Beacon
343 (P)/03	4032	INDIA – Nicobar Islands – Sawai Bay and Malacca Anchorage – Breakwater, Beacon.
193 (T)/04	225 2064	SRILANKA – West Coast – Colombo, Weligama Bay and Beruwala Point Westwards – Depths. Wreck. Rocks. Harbour limit. Port development.
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.
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 & Srilanka	INDIAN OCEAN – Bay of Bengal – Changes in bathymetry and coastline
88(T)/05	4011 4017	INDIA -Nicobar Islands-Katchall Island –Approaches toEast Bay–Beacon.
135(T)/05	4010	INDIA – Andaman Sea – Little Andaman Islands-Hut Bay-Coast line.Jetty.Light.
276(T)/05	4012.	INDIA – Andaman Island – Inner Harbour – Port Blair – Beacon.
428 (P)/06	351 301.	INDIA – East Coast – Ocean – Approaches to Hugli River – Obstruction
442 (P)/06	3010 (INT 7418) (Plan).	INDIA – East Coast – Paradip Port – Work in Progress.
548 (T) /06	3031.	INDIA – East Coast – Krishnapatnam Anchorage – Transits mark.
106(T) /07	358(INT 7394) – 317	INDIA – SRILANKA – Palk Bay – Western Portion – Obstructions
168(P) /07	3002(INT 7410)	INDIA – East Coast – Approaches to Visakhapatnam- Gangavaram Port – work in progress
219(T) /07	4032	INDIA – Nicobar Islands Sawai Bay & Malacca Anchorage – Transit mark – Beacon.

222(T)/07	23 – 32(INT 754) – 33 – 226 –264– 358 – 359 – 2064 – 7704 (INT 704)	SRI LANKA - South Coast - Little Basses Reef - Light.
312(T)/07	23 -33 -7702 (INT 702) -7706 (INT 706) -7707 (INT 707)	INDIAN OCEAN - Data buoys.
419(T)/07	406 – 4010	ANDAMAN SEA – INDIA - Little Andaman Islands – Hut Bay – Light.
445(T)/07	BA 817 (INT 7430)	BURMA - Sittwe South-westwards - Survey stations.
583(T)/07	22(INT 752) – 223 – 260(INT 7362) - 261.	INDIA – SOUTH EAST COAST – Off Cape Comorin - Wreck
584(T)/07	3004(INT 7403)	INDIA – EAST COAST – Madras (Chennai) harbour – Lights.
586(P)/07	356(INT 7400) - 3031	INDIA – EAST COAST – Krishnapatnam Anchorage – Construction Work. Dredging.
650(P)/07	4019	BURMA - Rangoon River - Channel depths. Depths. Wreck. Port developments. Coastline. Bridge. Drying contour. Recommended route. Buoyage.
056(P)/08	225 – 2063 - 2064	SRI LANKA - West Coast - Colombo Harbour and Approaches - Depths. Submarine pipeline. Buoy.
109(T)/08	301- 351 - 3011(INT 7421) – 3013 - 3006(INT 7423)	INDIA - EAST COAST - Hugli River -Haldia to Kukrahatti Reach – Depths.
200(T)/08	32(INT 754) –33 – 357(INT 7397) – 3007 – 3033.	INDIA – East Coast – Chemplast Karaikal Terminal – Construction Work. Dredging.
201(T)/08	41 – 473(INT 7031) – 405 – 4030.	INDIA – ANDAMAN SEA – Manners Strait and Duncan Passage – Wreck.
218(P)/08	31 – 32(INT 754) – 355(INT 7405)	INDIA - EAST COAST – Ramaypatnam to Sacramento Shoal – Construction work.
219(T)/08	31 – 32(INT 754) – 354(INT 7408) – 308 – 3002(INT 7410) – 3012(INT 7411)	INDIA - EAST COAST – Approaches to Visakhapatnam – Lightrage area
220(P)/08	31 – 351 - 3017	INDIA – EAST – COAST – Approaches to Dhamra River – Construction Work.

4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA

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.
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.
179 (P)/06	BA 1141 3946 3947	MALAYSIA - Peninsular Malaysia, West Coast -Pelabuhan Sungai Udang and Approaches -Maintained channel. Anchorage areas. Berths.
071(P)/07	433-4025	THAILAND - West Coast - Ao Krabi - Approaches to Krabi and Approaches to Phuket - Leading lines. Buoyage. Light-beacons.
144(P)/07	B.A. 3833	SINGAPORE STRAIT - Western Part - The Brothers to Batuampar Northwards - Submarine cables.
146(P)/07	41 – 432 BA 3941	THAILAND - West Coast - Ko Surin South-westwards to Ko Phuket Westwards - Firing practice areas. Military practice area.
223(P)/07	4026 - 4027	MALAYSIA - Peninsular Malaysia, West Coast - Pinang Harbour - Coastline. Works. Lights. Beacons. Depths. Drying patch. Wrecks. Obstructions. Dredged areas. Marine farms.
376(P)/07	B. A. 1312 -2403 -3721 - 3831 -3833 -3937 -3949 - 4041 -4042	INDONESIA - Kalimantan - West Coast - T. Saleh Westwards to Singapore Strait - Pulau Batam - T. Pinggir - Submarine cable.

377(P)/07	7508(INT 508) B. A. 1312 -1788 -2137 - 2149 -3729	INDONESIA - Sumatera - Pulau Belitung West Coast - Tanjungpandan to Jawa North Coast - Pakis - Submarine cable.
446(P)/07	BA 2403 - 3831 - 3833 - 3937 - 3949 - 4041 - 4042	SINGAPORE STRAIT - Pulau Batam to Johor - Submarine cable.
546(T)/07	B.A. 1358 -2139 -3946	MALAYSIA - Peninsular Malaysia, West Coast - Tanjung Tongkah - Kuala Langat - Buoy. Light-beacon.
588(T)/07	B.A. 3833 -4031 -4032 -4039 -4040	SINGAPORE - Jurong Island - Sinki Fairway - Banyan Basin Southwards - Dredging area. Buoyage.
669(P)/07	436	MALAYSIA - Peninsular Malaysia, West Coast -Selat Manjung and Sungai Manjung – Dredged area.
057(P)/08	B.A. 3833 - 4032 - 4034 - 4035 - 4036 - 4037 - 4040 - 4041 - 5502	SINGAPORE - West Keppel Fairway - Jong Fairway - Western Anchorage -Fairways. Anchorage areas.
058(P)/08	B.A. 2056 - 2149	INDONESIA - Sumatera - East Coast - T.Penet Eastwards - Platforms. Submarine cables. Submarine pipelines. Restricted area.
085(T)/08	B.A. 2403 -3831 -3833 -4037 -4041 -5502	SINGAPORE STRAIT - Bedok Southwards - Dredging area.

Cancelled Notices

Area	Notice No.	Ref. No.
3	163(T)/99	221(T)/08
2	260(P)/99	221(T)/08
2	201(T)/00	146/08
2	372(P)/02	221(T)/08
2	484(T)/02	148/08
2	209(T)/03	171(T)/08
2	270(T)/03	221(T)/08
3	380(T)/03	121/08
2	121(P)/04	178/08
2	195(T)/04	110(T)/08
1	271(P)/04	221(T)/08
2	302(T)/04	060/08
2	085(P)/05	144/08
3	105(T)/05	221(T)/08
3	106(T)/05	221(T)/08
3	133(T)/05	221(T)/08
2	343(T)/05	083(T)/08
2	594(T)/05	221(T)/08
3	059(T)/06	110(T)/08
3	075(T)/06	110(T)/08
3	137(T)/06	110(T)/08
3	180(T)/06	110(T)/08
2	232(P)/06	181/08
3	258(T)/06	110(T)/08
2	325(P)/06	182/08
2	386(P)/06	179/08
2	407(P)/06	119/08
2	424(P)/06	221(T)/08
3	429(P)/06	124/08
3	475(T)/06	221(T)/08
3	512(T)/06	110(T)/08
2	595(T)/06	091/08
1	597(P)/06	189/08

Area	Notice No.	Ref. No.
2	050(T)/07	110(T)/08
2	090(T)/07	107(T)/08
2	105(T)/07	113/08
3	169(T)/07	096/08
3	170(P)/07	201(T)/08
3	171(T)/07	221(T)/08
3	187(T)/07	110(T)/08
3	188(T)/07	221(T)/08
3	189(T)/07	221(T)/08
3	248(T)/07	083(T)/08
1	249(P)/07	072/08
2	275(T)/07	089/08
3	276(T)/07	110(T)/08
3	308(T)/07	221(T)/08
3	309(T)/07	083(T)/08
2	346(T)/07	141(T)/08
2	347(T)/07	114/08
2	348(T)/07	176/08
2	349(T)/07	092/08
2	350(T)/07	093/08
2	351(T)/07	110(T)/08
2	400(T)/07	140(T)/08
3	420(T)/07	083(T)/08
3	444(T)/07	110(T)/08
3	468(T)/07	221(T)/08
1	469(P)/07	126/08
3	485(T)/07	083(T)/08
3	486(T)/07	110(T)/08
1	488(P)/07	084(P)/08
2	510(T)/07	139(T)/08
2	511(T)/07	088/08
3	513(T)/07	109(T)/08
2	542(T)/07	083(T)/08
2	619(T)/07	221(T)/08
-	059(T)/08	221(T)/08
2	083(T)/08	169(T)/08
1	084(P)/08	202(P)/08
2	139(T)/08	170(T)/08
4	142(T)/08	195/08
2	170(T)/08	197(T)/08
2	197(T)/08	215(T)/08

SECTION – IV: MARINE INFORMATION

The diligent reporting of dangers to Navigation by the following ships/units are worthy of appreciation.

Indian Naval/Coastguard ships/Merchant Vessels/Port Trusts/Establishments. INS Investigator, INS Nireekshak, INFAC 82, ICGS Vadinar, Gujarat Maritime Board, Mumbai Port Trust, Visakhapatnam Port Trust, Mormugao Port Trust, Kolkata Port Trust, Paradip Port Trust, Karaikal Port, Krishnapatnam Port, Dhamara Port, NIOT Chennai, DLL Chennai, DLL Jamnagar, DLL Cochin, GSPC Ltd. and Niko Resources, NIO Goa, DG Shipping, MRCC Mumbai.

Distribution of Indian Paper Charts and Nautical Publications

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

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

Tsunami Notices

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

Source: NHO, Dehradun
(HJ/NM/Gen)

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

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

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

Source: PMB A & 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

***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

SECTION – V: RADIO NAVIGATIONAL WARNINGS IN FORCE

1. For details of NAVAREA limits and organization/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2004.
2. **NAVAREA Warnings in force:** - The serial numbers of all the NAVAREA warnings in force as on 27 Mar 08, covering the entire world are listed below against the respective NAVAREA.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
I	N.E. Atlantic	064	2005 series: 402. 2007 series: 019 035 050 199 247 251 279 293 329. 2008 Series: 004 042 046 053 054 056 064.
II	E. Atlantic	083	2008 Series: 017 047 065 066 075 076 077 078.
III	Mediterranean	147	2008 Series: 065 075 076 080 081 082 085 086 101 105 107 108 109 110 111 112 117 122 123 125 129 132 135 136 140 142 144 145 148 150 154 155 156 157 158 159 160 161 162 163.
IV	N.W. Atlantic	098	2007 series: 196. 2008 series: Nil.
V	W. Atlantic	148	2007 series: 1078. 2008 series: Nil.
VI	S.W. Atlantic	064	2008 series: Nil.
VII	S.E. Atlantic	089	2007 series: 183 185. 2008 series: 005 012 024 031 032 034 037.
VIII	Indian Ocean	135	2007 SERIES - 366 367 371 373 380 388 389 418 440 538 540 574 602 612 624 637 638 647 652 653 656 662 664 675 690 697 701 2008 SERIES- 008 009 026 041 042 047 055 062 070 072 076 077 088 093 099 105 107 110 111 112 113 114 118 120 121 122 123 125 126 127 128 129 130 131 132 133 134 135

3. NAVAREA Warnings issued during the period from 25 Feb 08 to 27 Mar 08 (both dates inclusive) are as tabulated below:-

<p>117. India East Coast- Bay of Bengal. Charts 31 41 301 352 371 INT 706. Experimental Rocket Launching Scheduled From ITR Launch Complex Between 0330 UTC and 1030 UTC from 23 Mar to 25 Mar 2008</p> <p>2. Danger Zone-Area bound by following points: (a) 20-48.32N 086-58.06E (b) 20-47.35N 089-57.62E (c) 18-00.27N 092-54.01E (d) 16-15.33N 091-47.58E (e) 15-22.88N 089-36.13E (f) 17-59.18N 086-36.13E</p> <p>3. No over flight and shipping activity is permissible within the above mentioned sector.</p> <p>4. Cancel this message on 26 Mar 2008.</p>
<p>118. India Andaman Sea – Off Great Nicobar Island. Charts 33 41 471 INT 706. Wooden construction fishing boat length 15 metre colour brown abandoned in position 06-00.14N., 092-36.40E.</p> <p>2. All vessels transiting in vicinity to exercise caution.</p>
<p>119. Cancelled.</p>
<p>120. Andaman Sea – India Andaman Islands. Charts 33 41 404 405 473 4006 4016 INT 706. Firing Practice by Naval Coast Battery at Ross Island between 0630 UTC to 1030 UTC on 26 Mar 2008. Danger area 15 NM seaward around 11-40.6N., 092-46.0E.</p> <p>2. Safe flying height 9100 metres.</p> <p>3. Cancel this message on 27 Mar 2008.</p>

<p>121. India West Coast – Mormugao. Chart 22 214 215 257 2020 2022 2078 INT 706. Firing exercise by Naval Coast Battery from position 15-24.6N., 073-47.1E between 0430 UTC and 0730 UTC on 28 Mar 2008. Danger area in sector of 20 NM radius between 200 degree to 260 degree from the position:</p> <p>2. Safe flying height 6500 metres.</p> <p>3. Cancel this message on 29 Mar 2008.</p>												
<p>122. India West Coast – Mormugao. Charts 22 214 215 257 293 2009 INT 705 INT 706. Firing Practice by Naval Aircraft between 0230 UTC to 1230 UTC from 01 Apr to 07 Apr and 14 Apr to 21 Apr 2008. Danger area bounded by</p> <table> <tr> <td>(a) 15-13.0N</td> <td>073-57.0E</td> <td>(b) 15-13.0N</td> <td>073-52.0E</td> </tr> <tr> <td>(c) 15-11.0N</td> <td>073-52.0E</td> <td>(d) 15-11.0N</td> <td>073-57.0E</td> </tr> </table> <p>2. Safe flying height 3500 metres</p> <p>3. Cancel this message on 22 Apr 2008</p>	(a) 15-13.0N	073-57.0E	(b) 15-13.0N	073-52.0E	(c) 15-11.0N	073-52.0E	(d) 15-11.0N	073-57.0E				
(a) 15-13.0N	073-57.0E	(b) 15-13.0N	073-52.0E									
(c) 15-11.0N	073-52.0E	(d) 15-11.0N	073-57.0E									
<p>123 India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery between 0330 UTC to 1530 UTC on 01 Apr 04 Apr 08 Apr 11 Apr 15 Apr 22 Apr 25 Apr and 29 Apr 2008. Danger area bounded by:</p> <table> <tr> <td>(a) 09-57.5N</td> <td>075-59.5E</td> <td>(b) 09-57.7N</td> <td>076-14.2E</td> </tr> <tr> <td>(c) 09-44.0N</td> <td>076-17.5E</td> <td>(d) 09-42.5N</td> <td>076-09.5E</td> </tr> </table> <p>2. Safe flying height 10000 metres</p> <p>3. Cancel this message on 30 Apr 2008</p>	(a) 09-57.5N	075-59.5E	(b) 09-57.7N	076-14.2E	(c) 09-44.0N	076-17.5E	(d) 09-42.5N	076-09.5E				
(a) 09-57.5N	075-59.5E	(b) 09-57.7N	076-14.2E									
(c) 09-44.0N	076-17.5E	(d) 09-42.5N	076-09.5E									
<p>124 – 126. Cancelled.</p>												
<p>127. India East Coast – Bay of Bengal. Charts 31 32 354 355 INT 706. Drilling operation is in progress by Rig Essar Wildcat in position 16-41.7N., 082-31.7E</p> <p>2. Wide berth requested.</p>												
<p>128. India East Coast- Visakhapatnam. Charts 31 32 308 354 3002 3012 INT 706. Firing exercise by Naval Coast Battery from 0001 UTC to 0200 UTC and from 1230 UTC to 1430 UTC on 02 Apr and 16 Apr 2008. Danger area bounded by:</p> <table> <tr> <td>(a) 17-42.0N</td> <td>083-18.0E</td> <td>(b) 17-47.0N</td> <td>083-32.0E</td> </tr> <tr> <td>(c) 17-34.0N</td> <td>083-30.0E</td> <td>(d) 17-28.0N</td> <td>083-18.0E</td> </tr> </table> <p>2. Safe flying height 13000 metres.</p> <p>3. Cancel this message on 17 Apr 2008.</p>	(a) 17-42.0N	083-18.0E	(b) 17-47.0N	083-32.0E	(c) 17-34.0N	083-30.0E	(d) 17-28.0N	083-18.0E				
(a) 17-42.0N	083-18.0E	(b) 17-47.0N	083-32.0E									
(c) 17-34.0N	083-30.0E	(d) 17-28.0N	083-18.0E									
<p>129. India West Coast – Mormugao. Charts 22 213 214 215 257 293 2009 INT 705 INT 706. Firing practice by Naval Aircraft Between 0230 UTC to 1030 UTC on 30 Mar 2008. Danger area bounded by:</p> <table> <tr> <td>(a) 15-44.0N</td> <td>072-54.0E</td> <td>(b) 15-53.0N</td> <td>073-12.0E</td> </tr> <tr> <td>(c) 14-58.0N</td> <td>073-38.0E</td> <td>(d) 14-50.0N</td> <td>073-19.0E</td> </tr> </table> <p>2. Safe flying height 13000 meters.</p> <p>3. Cancel this message on 31 Mar 2008.</p>	(a) 15-44.0N	072-54.0E	(b) 15-53.0N	073-12.0E	(c) 14-58.0N	073-38.0E	(d) 14-50.0N	073-19.0E				
(a) 15-44.0N	072-54.0E	(b) 15-53.0N	073-12.0E									
(c) 14-58.0N	073-38.0E	(d) 14-50.0N	073-19.0E									
<p>130. India West Coast – Gulf of Kachchh. Charts 21 251 271 291 INT 705. Seismic survey in progress by RV Seisquest till 12 May 2008 in area bounded by:</p> <table> <tr> <td>(a) 22-58.00N</td> <td>067-46.07E</td> <td>(b) 22-58.07N</td> <td>068-06.01E</td> </tr> <tr> <td>(c) 22-37.01N</td> <td>068-36.07E</td> <td>(d) 22-37.01N</td> <td>068-06.01E</td> </tr> <tr> <td>(e) 22-50.00N</td> <td>067-42.00E</td> <td></td> <td></td> </tr> </table> <p>2. The vessel is towing six streamers of 04NM length with white flashing light to mark the tail end of the cable.</p> <p>3. All vessels operating in vicinity are to keep a safe distance of 06NM from the vessel and exercise caution.</p> <p>4. Cancel this message on 13 May 2008.</p>	(a) 22-58.00N	067-46.07E	(b) 22-58.07N	068-06.01E	(c) 22-37.01N	068-36.07E	(d) 22-37.01N	068-06.01E	(e) 22-50.00N	067-42.00E		
(a) 22-58.00N	067-46.07E	(b) 22-58.07N	068-06.01E									
(c) 22-37.01N	068-36.07E	(d) 22-37.01N	068-06.01E									
(e) 22-50.00N	067-42.00E											
<p>131. India East Coast-Bay of Bengal. Charts 31 INT 706. Seismic survey is in progress by northern explorer till 31 Mar 2008 in area bounded by:</p> <table> <tr> <td>(a) 15-29.9N</td> <td>084-30.0E</td> <td>(b) 15-29.9N</td> <td>085-30.0E</td> </tr> <tr> <td>(c) 14-57.9N</td> <td>085-30.3E</td> <td>(d) 14-29.9N</td> <td>085-08.0E</td> </tr> <tr> <td>(e) 14-29.4N</td> <td>084-29.4E</td> <td></td> <td></td> </tr> </table> <p>Vessel towing 01 in number 8000 metres long streamer cable attached to a yellow coloured tail buoy fitted with white flashing light.</p> <p>3. All vessels operating in vicinity are to maintain a clearance of 06NM and exercise caution.</p> <p>4. Cancel this message on 01 Apr 2008.</p>	(a) 15-29.9N	084-30.0E	(b) 15-29.9N	085-30.0E	(c) 14-57.9N	085-30.3E	(d) 14-29.9N	085-08.0E	(e) 14-29.4N	084-29.4E		
(a) 15-29.9N	084-30.0E	(b) 15-29.9N	085-30.0E									
(c) 14-57.9N	085-30.3E	(d) 14-29.9N	085-08.0E									
(e) 14-29.4N	084-29.4E											
<p>132. India East Coast-Bay of Bengal. Charts 31 INT 706. Seismic Survey is in progress by Bergon surveyor in area bounded by:</p> <table> <tr> <td>(a) 17-29.9N</td> <td>088-20.1E</td> <td>(b) 17-29.9N</td> <td>086-59.9E</td> </tr> <tr> <td>(c) 16-29.9N</td> <td>086-59.9E</td> <td>(d) 17-09.9N</td> <td>088-20.0E</td> </tr> </table> <p>Vessel towing 01 in number 10000 metres long streamer cable attached to a tail buoy fitted with white flashing light</p> <p>3. All vessels operating in vicinity are to maintain a clearance of 08NM and exercise caution.</p>	(a) 17-29.9N	088-20.1E	(b) 17-29.9N	086-59.9E	(c) 16-29.9N	086-59.9E	(d) 17-09.9N	088-20.0E				
(a) 17-29.9N	088-20.1E	(b) 17-29.9N	086-59.9E									
(c) 16-29.9N	086-59.9E	(d) 17-09.9N	088-20.0E									

133. India West Coast – Arabian Sea. Charts 22 256 257 272 293 INT 705. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography Goa in following positions:

	<u>mooring</u>	<u>LAT</u>	<u>LONG</u>	<u>DEPTH of ADCP</u>
(a)	GRS-1	17-08.74N	072-04.84E	89.6 metre
(b)	GRD-1	17-15.78N	071-28.78E	324 metre
(c)	OGS-3	15-09.99N	073-11.46E	93.2 metre
(d)	GBD-1	13-35.90N	073-14.64E	290 metre
(e)	GBS-1	13-40.01N	073-30.27e	96 metre
(f)	GVAL-1	15-12.45N	072-42.09E	160 metre
(g)	OGD-3	15-08.83N	072-42.61E	323 metre

2. Mariners to exercise caution.

134. Self Cancelling. Cancel Navarea Eight messages 604 of 2007 641 of 2007 and 668 of 2007 by INM 06 of 2008.

135. India East Coast - Gopalpur. Charts 31 352 353 3005 INT 706. Firing exercise between 2330 UTC to 1800 UTC from 02 Apr to 05 Apr and 27 Apr to 30 Apr 2008. Danger area bounded by:

(a)	19-14.60N	084-53.70E	(b)	19-37.05N	085-27.85E
(c)	18-46.05N	085-22.86E			

and arc of 42NM radius joining point (b) and (c).

2. Safe flying height 6100 metres.

3. Cancel this message on 01 May 2008.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	053	2007 series: 022 027 062 092 095 106 108 155 168 172 176 200 202 203 212 214 237 251 263 264 273 274 278. 2008 series: 002 005 006 007 014 017 019 021 022 023 027 028 033 034 035 036 040 044 045 046 048 050 51.
X	Australia, New Guinea	054	2007 series: 235 280 349 2008 series: 014 016 020 021 024 034 035 043 044 045 046 047 048 049 050 051 052 053 054
XI	Malacca Strait, China Sea, N. Pacific	0114	1996 series: 0925 1998 series: 0655 1999 series: 0187 2003 series: 0304 2004 series: 0361 2005 series: 0271 0307 2006 series: 0005 0123 0250 0303 0561 2007 series: 0002 0133 0309 0344 0366 0457 0505 0513 0519 0546 0557 2008 series: 0004 0006 0011 0014 0018 0020 0040 0054 0061 0073 0083 0091 0092 0103 0108 0110 0112 0113 0114
XII	N.E. Pacific	087	2008 series: Nil
XIII	N.W. Pacific	Nil	2008 series: Nil
XIV	S.W. Pacific	003	2008 Series: 001
XV	S.E. Pacific	022	2008 Series: Nil
XVI	E. Pacific	Nil	2008 Series: Nil
Hydropacs	Pacific, Indian Ocean	481	2006 series: 524. 2008 Series: 240 383.
Hydroplants	Atlantic, Mediterranean	446	2008 Series: 300

SECTION – VI: CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

**INP 1 West Coast of India Pilot (Second Edition 2003) –
INDIA WEST COAST – New Manglore to Malpe – Suratkal
Point Light.**

193

Article 6.57

Para 2

Amend Line3 and 4 as follows:

Surtkal Point Light (White square masonry tower, red bands,
36m in height) (13° 00'.2 N, 74° 47'.44 E).

F0754.2	Kadmat Island	11 15.4N 72 47.4E	Fl (4) W 20s	34	8	White framework tower 30	<i>fl 0.5, ec 1, fl 0.5, ec 1, fl 0.5, ec 1, fl 0.5, ec 15.</i> Racon (G)	*
F0754.7	Agatti Island	10 52.5N 72 12.3E	Fl(3)W 30s	35	10	White framework tower 30	<i>fl 1, ec 3, fl 1, ec 3, fl 1, ec 21</i> Racon (B)	*
F0952	Krishnapatnam	14 15-32 N 80 07-59 E	Fl(3)W 15s	35	18	White round masonry tower, black bands 30	<i>(fl 0-5, ec 2) x 2, fl 0-5, ec 9-5</i>	
*	-	..	Racon	ALRS Vol 2 Station 79160	*
F1054	Kutubdia Island	21 51-92 N 91 50-54 E	Fl(3)W 10s	39	17	Red and white □ on metal framework tower	ALRS Vol 2 Station 79300	*
	-	..	Racon		
F1059	-Fakir Point. Sittwe	20 06-83 N 92 53-84 E	Fl W 10s	27	20	White metal framework tower 27	<i>fl 1.</i> Vis 293°-096°(163°)	
	*	*			*			
F1059-8	- Myebon	19 59-31 N 93 22-57 E	Fl W 5s	14	8			*
*	*	*	*	*	*	*		*
F1061	- North Terrible. S side. Thanta	19 26-60 N 93 18-12 E	Fl W 8s	16	7	Black metal framework tower, white bands 14	<i>fl 0-8</i>	
		*			*			
F1062	- Paung Net Kyi	19 26-56 N 93 36-04 E	Fl(4)W 5s	33	7	Red metal framework tower, white top 12	Vis 084°-110°(26°)	*
	*		*		*			*
F1064	Beacon Islet. E Summit. Mun Aung	18 55-84 N 93 26-85 E	Fl(3)W 20s	37	20	Red metal tower, white top 36	Vis 334°-273°(299°)	*
	*	*	*		*			*

F1064-4	Kyauknimaw	18 55-10 N 93 59-34 E	Fl W 5s	9	8		
*	*	*	*	*	*	*	*
F1064-8	Singaung	18 32-18 N 94 14-50 E	Fl W 5s	9	8		
*	*	*	*	*	*	*	*
F1066	Foul Island. Nantha Kyun	18 03-90 N 94 05-43 E	Q W	169	7	Black and white chequered tower 3	
		*	*	*	*		*
F1068	Alguada Reef. Pathein	15 42-29 N 94 11-99 E	Fl W 10s	49	13	Black granite tower, white bands 49	<i>fl 0-5. Vis 260°- 175°(275°)</i>
	*	*		*	*		*
F1128	Double Island. Centre. Kyun Nyi Naung	15 52-39 N 97 35-17 E	Fl W 5s	43	13	White masonry tower 20	Vis 353°-173°(180°)
		*	*		*		
F1131	Kyaukpyu Kyun	13 46-58 N 97 55-23 E	Fl W 7s	53	7	Black and white chequered framework tower 4	<i>fl 0-7. Vis 188°- 139°(311°)</i>
		*		*	*		
F1136	Mali Kyun (Tavoy Island). Cornwall Point. Mali Saon	13 04-69 N 98 20-04 E	Fl W 5s	6	7	Black and white chequered framework tower 4	
		*	*	*	*		*
F1144	- Seik-kan-tha	12 26-55 N 98 35-94 E	Q W	15	12	White○ on whitemetal framework tower, on wooden framework tower 19	
		*			*		
F1440	Remove from list						
F1614-5	Kuala Langat	2 48-08 N 101 24-18E	Fl G 4s	9	5	White concrete column	TE; Light buoy in situ (T) 2008 *

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS**INP 31(1), 2005***(Last correction: Edition No. 02 dated 16 Jan 2008)*

NIL

INP 31(2), 2007*(Last correction: Edition No. 06 dated 16 Mar 2008)***PAGE 31, INDIA section.**

Insert:

Prong Reef Lt Racon	18°52'·71N 72°48'·02E	78987
	G	

BA 10/08		07/08
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PAGE 32, INDIA section.

Insert:

Cape Comorin Lt Racon	8°04'·78N 77°32'·81E	79096
	C	

BA 10/08		07/08
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PAGE 33, INDIA section.

Insert:

Krishnapatnam Lt Racon	18°52'·71N 72°48'·02E	79160
	C	

BA 10/08		07/08
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PAGE 33, INDIA section.**79173 Narasapur Point Lt.**Insert morse ident **B**

BA 10/08		07/08
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BA, VOLUME 3 Part 1, NP 283(1), 2006/07*(Last correction: Edition No. 15 dated 01Aug 2006)*

NIL

INP 31(5), 1997*(Last correction: Edition No. 02 dated 16 Jan 2008)*

NIL

INP 31(6), 2005

(Last correction: Edition No. 05 dated 01 Mar 2008)

**PAGE 42, SAUDI ARABIA (Persian Gulf), RA'S TANNŪRAH AND R A'S
AL JU'AYMAH, Ra's Tannūrah Port Control Centre, PROCEDURE, (I)
Vessels Inward-Bound.**

Delete section (7) (c) and replace by:

(c) Ra's al Ju'aymah LPG Terminal: LPG anchorage (26°53'00N
50°05'50E)

BA 10/08

07/08

**PAGE 48, YEMEN, AL MUKALLA (KHALF), Pilots and Port,
PROCEDURE.**

Delete section (4) and replace by:

(4) Pilot boards in position 14°31'10N 49°08'70E (off the breakwater).

BA 10/08

07/08

SECTION – IX: REPORTING OF NAVIGATIONAL DANGERS

Instructions for raising Hydrographic Note (Form IH 102)

Appeal to all Mariners:

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office
107-A, Rajpur Road,
Post Box No. 75, Dehradun - 248 001
(UTTARAKHAND), INDIA
e-mail: - incho@dataone.in; incho_marinesafety@dataone.in
incho_navwarnings@dataone.in; incho_helpdesk@dataone.in
Fax No.: (0135) 2748373
Web: www.hydrobharat.nic.in

Instructions for filling up Form IH 102 (Overleaf)

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

Position Reporting

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

Depth Reporting

4. When soundings are obtained using Echo Sounders, the echo-gram should be duly annotated with date, time, position and depth, etc., before enclosing it with the Form IH 102. It is important to state whether echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be applied where necessary. The make, name and type of echo sounder should also be given. Care should be taken to set the echo sounder to the largest scale / phase, so as to obtain maximum details of echo of the feature. Efforts should be made to identify and negate false echoes if any.

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

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

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

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

I.H. 102a (Revised 2003)

HYDROGRAPHIC NOTE FOR PORT INFORMATION

(For Reporting Changes to Port Information)

(To accompanying Form I.H. 102)

Name and address of ship / sender:

_____ **Ref No.:** _____
 _____ **Date :** _____

Fax No.: _____, **E-mail:** _____

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

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

18. PORT AUTHORITY Designation, address and telephone number.	
19. SMALL CRAFT FACILITIES a) Information and facilities for small craft /yachts visiting the port. b) Yacht clubs, berths etc.	
20. SHORE LEAVE	
21. CLUBS / RECREATION / INFORMATION KIOSKS – Their location.	
22. VIEWS (duly annotated) Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour, etc. (Picture postcards may also be useful).	

Signature of Observer/Reporter.....

To

The Chief Hydrographer to the Government of India

**National Hydrographic Office
107 A, Rajpur Road**

Post Box No. 75,
Dehradun- 248001

(UTTARAKHAND), 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.nic.in

I.H. 102 (Revised 2003)

HYDROGRAPHIC NOTE

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

Date :

Ref. No:

Details of the Sender / Originator

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

Details of Changes / Dangers Observed

- | 5. Object of Change: | Date/Time of
observation | Charted Observed | Position/Area |
|--------------------------------------|-------------------------------------|-------------------------|----------------------|
| (a) Bathymetry: | | | |
| (i) Depth - | | | |
| (ii) Depth Contour - | | | |
| (iii) Channel Depth - | | | |
| (b) Navigational Dangers: | | | |
| (i) New Shoals..... | | | |
| (ii) New Rocks..... | | | |
| (iii) New Reefs..... | | | |
| (iv) New Wrecks..... | | | |
| (v) New Nav-aid (Specify) - | | | |
| (c) Casualties to existing Nav-Aids: | | | |
| (i) Buoys..... | | | |
| (ii) Lights..... | | | |
| (iii) Fog signals..... | | | |
| (iv) Racons..... | | | |
| (v) Transit Marks | | | |
| (vi) Leading Lines..... | | | |
| (vii) Clearance bearings..... | | | |
| (d) Designated Areas: | | | |
| (i) Exercise Areas | | | |
| (ii) Prohibited Areas | | | |
| (iii) Pilot Station | | | |
| (iv) Anchorage | | | |
| (v) Foul Ground | | | |

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

Signature of the Master / Reporter

Date:

To

The Chief Hydrographer to the Government of India

National Hydrographic Office

107 A, Rajpur Road

Post Box No. 75,

Dehradun- 248001

(UTTARAKHAND), INDIA

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

incho_navwarnings@dataone.in /

incho_helpdesk@dataone.in

Fax No.: 91- 0135- 2748373

WEB: www.hydrobharat.nic.in

Please Note:

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

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 Indian Notice to Mariners 203/08

BA Chart 1312

CHARTS 1336, 2403, 2868, 2869 & 2870:
POSITIONS

Positions on chart 1312 differ from those on charts 1336, 2403, 2868, 2869 and 2870 by varying amounts; positions should be transferred by bearing and distance from common charted objects, not by latitude and longitude.

To accompany Indian Notice to Mariners 203/08

BA Chart 1789

CHART 2870: POSITIONS

Positions on chart 1789 differ from those on chart 2870 by varying amounts; positions should be transferred by bearing and distance from common charted objects, not by latitude and longitude.

To accompany Indian Notice to Mariners 203/08

BA Chart 3721

CHART 2870: POSITIONS

Positions on chart 3721 differ from those on chart 2870 by varying amounts; positions should be transferred by bearing and distance from common charted objects, not by latitude and longitude.

To accompany Indian Notice to Mariners 203/08

BA Chart 3758

CHART 2870: POSITIONS

Positions on chart 3758 differ from those on chart 2870 by varying amounts; positions should be transferred by bearing and distance from common charted objects, not by latitude and longitude.

VISHĀKHAPATNAM HARBOUR

SCALE 1:12 500



Sources: The origin, scale, date and limits of the hydrographic surveys used to compile the chart are shown in the Source Data Diagram. Later additions and corrections to 2007. Topography from Survey of India maps.

SATELLITE - DERIVED POSITIONS

Positions obtained from satellite navigation systems are normally referred to WGS 1984 Datum; such positions should be moved 0,06 minutes SOUTHWARD and 0,11 minutes EASTWARD to agree with this chart.

PIPELINE

Attention is drawn to the existence of unburied pipeline whose presence on the seabed may effectively reduce the charted depth by as much as 2 metres. Vessels should not anchor or trawl in the vicinity of pipeline.

Police Lines

TEL EXCH. TR

VISHĀKHAPATNAM