

INDIAN NOTICES TO MARINERS



EDITION NO. 11 DATED 01 JUN 2024

(CONTAINS NOTICES 076 TO 079)

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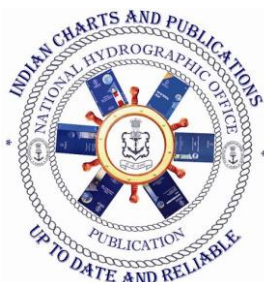
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

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INSIST ON INDIAN CHARTS AND
PUBLICATIONS
Original, Authentic and Up-to-Date



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II

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 Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/ defects pertaining to navigational aids, and shortcomings 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. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer
to the Government of India**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is mandatory on all Charts.

Counterfeit products may have errors resulting in potential risks. The same are not approved by inspecting agencies and do not satisfy the carriage requirements of SOLAS chapter V.

Mariners are strongly advised not to use or encourage the use of counterfeit charts and publications. Failure to comply with the warning may invite legal action.

III

EXPLANATORY NOTES

Corrections to Charts and Publications. Section I comprises List of Charts affected by the notices contained in this edition. Whereas 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 5020 (INT 1).
- (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 IX.

Temporary and Preliminary Notices. These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. Sl 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. 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 cannot 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.

IV

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 some 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 difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Wherever 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 and 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.

NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

1. The new Indian Charts that are available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<i>Nil</i>					

2. The new edition Indian Charts that are available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<i>Nil</i>					

3. The Indian Charts that are permanently withdrawn are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
<i>Nil</i>				

4. The new Indian Electronic Navigational Charts that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
<i>Nil</i>			

5. The new edition Indian Electronic Navigational Charts that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN2293AB	293	MUMBAI TO KARWAR	29-05-2024
IN63028E	3028	KAMARAJAR PORT	27-05-2024

6. The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN2293AB	293	MUMBAI TO KARWAR	23-02-2021
IN63028E	3028	KAMARAJAR PORT	07-01-2022

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
228	NORTH THILADHUNMATHEE TO SOUTH THILADHUNMATHEE	150000	NEW CHART
2594	IHAVANDHIPOLHU ATOLL	50000	NEW CHART
2595	THILADHUNMATHEE UTHURUBURI ATOLL	50000	NEW CHART
2599 (INT 7379)	MALE' ATOLL	25000	NEW EDITION

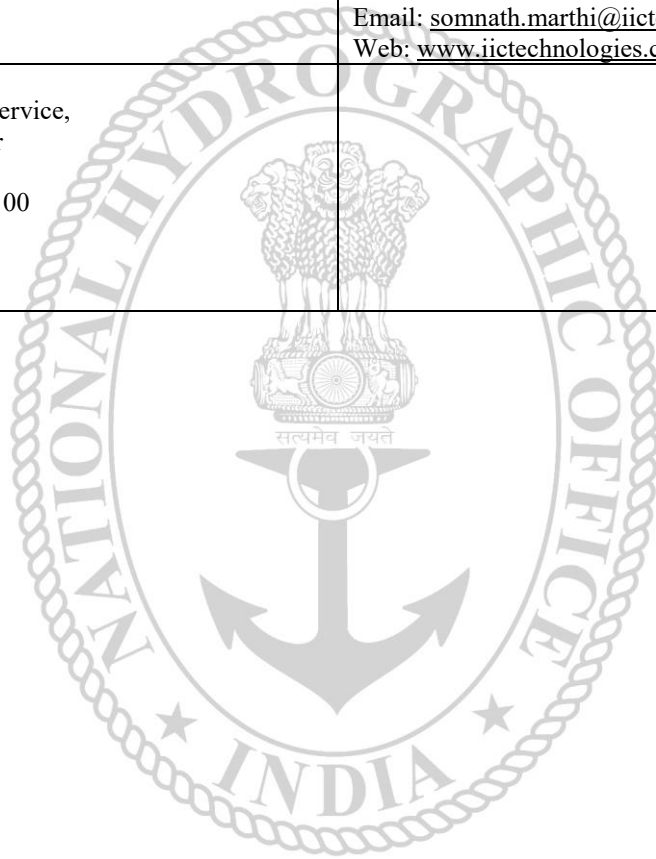
VI

357 (INT 7397)	POINT CALIMERE TO CHENNAI	300000	NEW EDITION
358 (INT 7394)	APPROACHES TO PALK BAY	300000	NEW EDITION
404 (INT 7439)	ELPHINSTONE HARBOUR TO PORT BLAIR	150000	NEW EDITION

Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the worldwide network of their agents and distributors. 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:

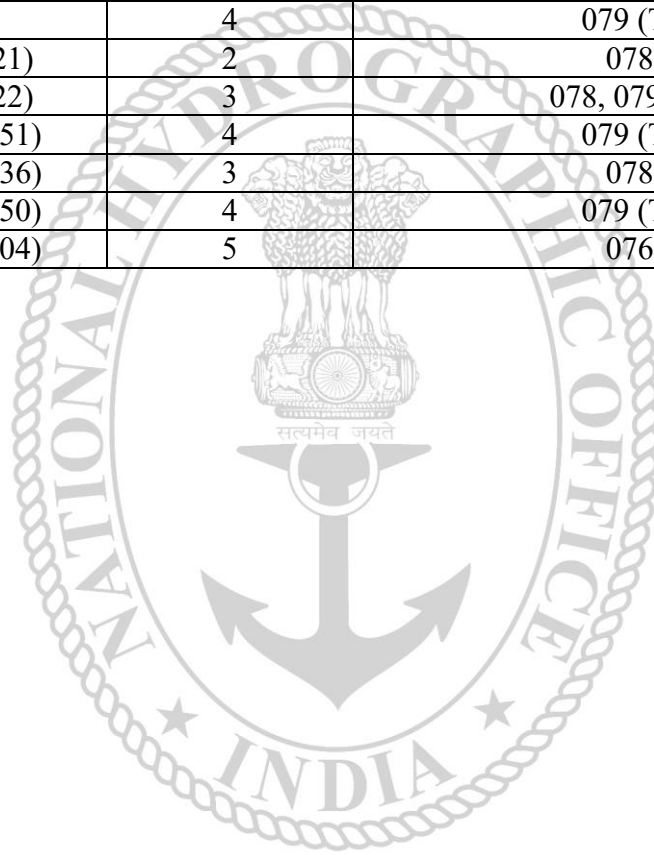
<p>United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel : +44 (0) 1823 337900 Fax : +44 (0) 1823 330561, 1823 284077 Web site : www.hydro.gov.uk</p>	<p>M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills, Hyderabad - 500 034 Telangana Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: data@ecc.no Website: - www.primar.org</p>	



SECTION – I

The list of charts affected by the Notices 076 to 079 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	078
22 (INT 752)	3	078
31 (INT 756)	5	077
41 (INT 757)	6	077
211	3	078
217	4	079 (T)
255 (INT 7334)	3	078
258 (INT 7348)	4	079 (T)
272	4	079 (T)
292 (INT 7021)	2	078
293 (INT 7022)	3	078, 079 (T)
2002 (INT 7351)	4	079 (T)
2016 (INT 7336)	3	078
2359 (INT 7350)	4	079 (T)
3028 (INT 7404)	5	076



SECTION – II**PERMANENT NOTICES*****076 (11/24) INDIA – EAST COAST – Kamarajar Port – Accompanying Block.**

Source: NHO, Dehradun.

Chart 3028 (INT 7404) [previous update NE 30 NOV 21]

Insert accompanying block, centered on;

13° 16′·71N., 080° 20′·64E.

***077 (11/24) INDIAN – OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wreck, light.**

Source: IH-102, INS Sarvekshak.

Chart 31 (INT 756) [previous update 055/24]

Insert



16° 35′·05N., 94° 18′·36E.

Delete



Fl.15s12M

16° 31′·68N., 94° 14′·62E.

Chart 41 (INT 757) [previous update 035/24]

Insert



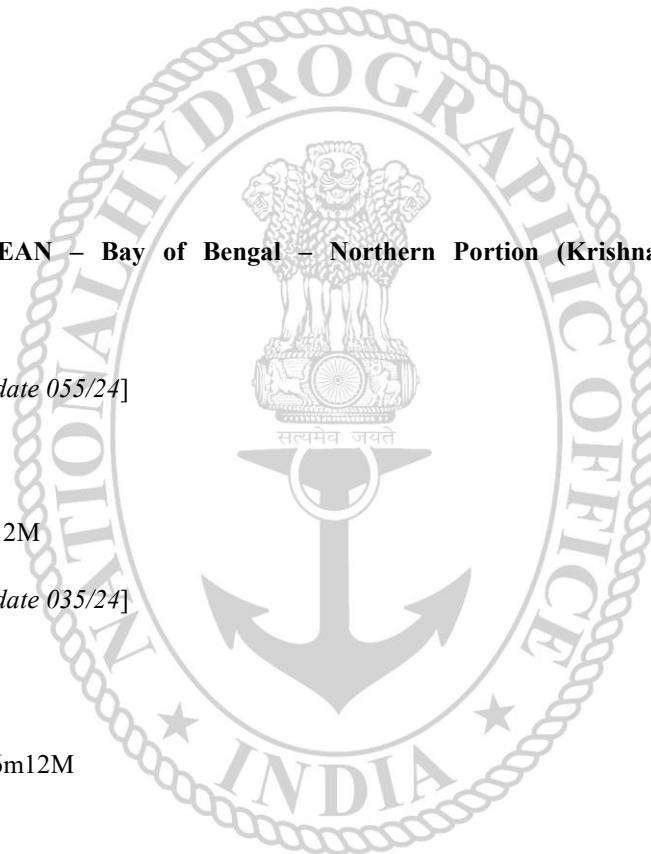
16° 35′·05N., 94° 18′·36E.


Delete




Fl.15s6m12M

16° 32′·48N., 094° 14′·66E.




*078 (11/24)	INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable.	
Source: Seagard.		
Chart 21 [previous update 054/24]		
Insert	submarine cable,  , joining	19°07'.99N., 072°48'.68E.
		19°07'.99N., 072°48'.67E.
		19°07'.98N., 072°48'.66E.
		19°07'.96N., 072°48'.66E.
		19°07'.95N., 072°48'.65E.
		19°07'.88N., 072°48'.63E.
		19°07'.87N., 072°48'.63E.
		19°07'.72N., 072°48'.58E.
		19°07'.49N., 072°48'.50E.
		19°07'.24N., 072°48'.33E.
		19°07'.15N., 072°48'.23E.
		19°07'.07N., 072°48'.13E.
		19°06'.14N., 072°46'.94E.
		19°06'.03N., 072°46'.85E.
		19°05'.91N., 072°46'.79E.
		19°05'.72N., 072°46'.75E.
		19°05'.64N., 072°46'.73E.
		19°05'.23N., 072°46'.65E.
		19°04'.94N., 072°46'.60E.
		19°04'.82N., 072°46'.53E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	19°04'.71N., 072°46'.43E.
		19°04'.61N., 072°46'.28E.
		19°03'.95N., 072°44'.82E.
		19°03'.71N., 072°44'.43E.
		19°03'.24N., 072°43'.27E.
		19°02'.77N., 072°42'.12E.
		19°02'.69N., 072°41'.92E.
		19°02'.54N., 072°41'.65E.
		19°02'.38N., 072°41'.48E.
		19°02'.17N., 072°41'.35E.
		19°01'.93N., 072°41'.25E.
		19°01'.41N., 072°41'.02E.
		19°01'.32N., 072°40'.98E.
		19°01'.12N., 072°40'.90E.
		19°00'.85N., 072°40'.78E.
		19°00'.45N., 072°40'.61E.
		19°00'.06N., 072°40'.44E.
		18°59'.92N., 072°40'.38E.
		18°59'.63N., 072°40'.25E.
		18°59'.54N., 072°40'.21E.
		18°59'.44N., 072°40'.13E.
		18°59'.38N., 072°40'.06E.
		18°59'.27N., 072°39'.83E.
		18°59'.22N., 072°39'.62E.
		18°59'.12N., 072°39'.22E.
		18°59'.03N., 072°38'.61E.
		18°58'.98N., 072°38'.28E.
		18°58'.98N., 072°38'.22E.
		18°58'.92N., 072°37'.80E.
		18°58'.69N., 072°36'.86E.
		18°58'.66N., 072°36'.74E.
		18°58'.49N., 072°35'.80E.
		18°58'.38N., 072°35'.18E.
		18°58'.38N., 072°35'.01E.
		18°58'.41N., 072°34'.87E.
		18°58'.57N., 072°34'.54E.
		18°58'.63N., 072°34'.41E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°58'.90N., 072°33'.84E.
		18°59'.04N., 072°33'.55E.
		18°59'.10N., 072°33'.33E.
		18°59'.12N., 072°33'.24E.
		18°59'.13N., 072°33'.18E.
		18°59'.16N., 072°33'.08E.
		18°59'.16N., 072°32'.60E.
		18°59'.12N., 072°32'.23E.
		18°59'.11N., 072°32'.13E.
		18°59'.02N., 072°31'.38E.
		18°58'.93N., 072°30'.65E.
		18°58'.86N., 072°30'.44E.
		18°58'.74N., 072°30'.26E.
		18°58'.69N., 072°30'.18E.
		18°58'.68N., 072°30'.16E.
		18°58'.65N., 072°30'.11E.
		18°58'.63N., 072°30'.09E.
		18°58'.56N., 072°29'.98E.
		18°58'.51N., 072°29'.90E.
		18°58'.27N., 072°29'.52E.
		18°58'.09N., 072°29'.00E.
		18°58'.00N., 072°27'.90E.
		18°57'.95N., 072°27'.30E.
		18°58'.10N., 072°25'.93E.
		18°58'.38N., 072°24'.93E.
		18°58'.56N., 072°24'.27E.
		18°58'.57N., 072°24'.12E.
		18°58'.54N., 072°23'.93E.
		18°58'.53N., 072°23'.91E.
		18°58'.49N., 072°23'.80E.
		18°58'.48N., 072°23'.77E.
		18°58'.47N., 072°23'.74E.
		18°58'.46N., 072°23'.72E.
		18°58'.41N., 072°23'.60E.
		18°58'.29N., 072°23'.33E.
		18°58'.20N., 072°22'.78E.
		18°57'.97N., 072°21'.74E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°57'.81N., 072°20'.96E.
		18°57'.78N., 072°20'.51E.
		18°57'.80N., 072°20'.37E.
		18°57'.80N., 072°20'.34E.
		18°57'.87N., 072°20'.19E.
		18°57'.96N., 072°20'.07E.
		18°57'.97N., 072°20'.06E.
		18°58'.19N., 072°19'.90E.
		18°58'.29N., 072°19'.82E.
		18°58'.36N., 072°19'.76E.
		18°58'.37N., 072°19'.74E.
		18°58'.43N., 072°19'.68E.
		18°58'.48N., 072°19'.57E.
		18°58'.50N., 072°19'.44E.
		18°58'.50N., 072°19'.24E.
		18°58'.35N., 072°16'.79E.
		18°58'.33N., 072°16'.46E.
		18°58'.28N., 072°16'.28E.
		18°58'.25N., 072°16'.23E.
		18°58'.23N., 072°16'.20E.
		18°58'.21N., 072°16'.18E.
		18°58'.20N., 072°16'.16E.
		18°58'.18N., 072°16'.14E.
		18°58'.17N., 072°16'.10E.
		18°58'.17N., 072°15'.98E.
		18°58'.17N., 072°15'.97E.
		18°58'.16N., 072°15'.97E.
		18°58'.07N., 072°16'.00E.
		18°58'.02N., 072°16'.01E.
		18°57'.99N., 072°16'.01E.
		18°57'.96N., 072°16'.00E.
		18°57'.95N., 072°16'.00E.
		18°57'.93N., 072°15'.99E.
		18°57'.88N., 072°15'.96E.
		18°57'.84N., 072°15'.96E.
		18°57'.79N., 072°16'.00E.
		18°57'.78N., 072°16'.00E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°57'.77N., 072°15'.99E.
		18°57'.78N., 072°15'.93E.
		18°57'.77N., 072°15'.90E.
		18°57'.72N., 072°15'.87E.
		18°57'.55N., 072°15'.76E.
		18°57'.36N., 072°15'.63E.
		18°57'.35N., 072°15'.62E.
		18°57'.28N., 072°15'.51E.
		18°57'.23N., 072°15'.34E.
		18°56'.98N., 072°12'.80E.
		18°56'.81N., 072°11'.05E.
		18°56'.68N., 072°06'.63E.
		18°56'.55N., 072°04'.15E.
		18°56'.56N., 072°03'.37E.
		18°56'.86N., 072°01'.93E.
		18°56'.87N., 072°01'.73E.
		18°56'.87N., 072°01'.61E.
		18°56'.88N., 072°01'.59E.
		18°56'.88N., 072°01'.58E.
		18°56'.88N., 072°01'.46E.
		18°56'.88N., 072°01'.44E.
		18°56'.88N., 072°01'.43E.
		18°56'.88N., 072°01'.41E.
		18°56'.89N., 072°01'.24E.
		18°56'.90N., 072°00'.94E.
		18°56'.66N., 071°59'.74E.
		18°56'.21N., 071°57'.52E.
		18°56'.17N., 071°57'.13E.
		18°56'.14N., 071°54'.12E.
		18°56'.13N., 071°53'.19E.
		18°56'.14N., 071°53'.15E.
		18°56'.22N., 071°53'.10E.
		18°56'.24N., 071°53'.08E.
		18°56'.22N., 071°53'.06E.
		18°56'.14N., 071°53'.03E.
		18°56'.13N., 071°53'.00E.
		18°56'.13N., 071°52'.99E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°56'.13N., 071°52'.98E.
		18°56'.11N., 071°52'.56E.
		18°56'.06N., 071°52'.31E.
		18°56'.02N., 071°52'.13E.
		18°56'.02N., 071°51'.61E.
		18°56'.04N., 071°51'.04E.
		18°56'.02N., 071°50'.48E.
		18°55'.99N., 071°49'.91E.
		18°55'.98N., 071°49'.75E.
		18°55'.93N., 071°49'.11E.
		18°55'.92N., 071°48'.56E.
		18°55'.95N., 071°48'.55E.
		18°56'.02N., 071°48'.52E.
		18°56'.02N., 071°48'.51E.
		18°55'.94N., 071°48'.48E.
		18°55'.92N., 071°48'.47E.
		18°55'.92N., 071°48'.45E.
		18°55'.91N., 071°48'.19E.
		18°55'.79N., 071°47'.68E.
		18°55'.73N., 071°47'.58E.
		18°55'.32N., 071°46'.74E.
		18°55'.27N., 071°46'.65E.
		18°55'.26N., 071°46'.62E.
		18°55'.25N., 071°46'.60E.
		18°55'.18N., 071°46'.46E.
		18°55'.08N., 071°46'.25E.
		18°54'.93N., 071°45'.63E.
		18°54'.92N., 071°45'.16E.
		18°54'.82N., 071°44'.12E.
		18°54'.88N., 071°43'.17E.
		18°54'.89N., 071°43'.05E.
		18°54'.81N., 071°42'.01E.
		18°54'.82N., 071°41'.72E.
		18°54'.70N., 071°39'.45E.
		18°54'.69N., 071°37'.05E.
		18°54'.77N., 071°36'.49E.
		18°54'.78N., 071°36'.22E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°54'.78N., 071°35'.99E.
		18°54'.76N., 071°35'.50E.
		18°54'.76N., 071°35'.49E.
		18°54'.69N., 071°35'.03E.
		18°54'.64N., 071°33'.95E.
		18°54'.59N., 071°33'.39E.
		18°54'.61N., 071°31'.20E.
		18°54'.60N., 071°30'.94E.
		18°54'.46N., 071°29'.97E.
		18°54'.32N., 071°29'.26E.
		18°54'.33N., 071°28'.77E.
		18°54'.13N., 071°25'.61E.
		18°54'.13N., 071°25'.56E.
		18°54'.11N., 071°24'.60E.
		18°53'.95N., 071°21'.35E.
		18°53'.81N., 071°18'.67E.
		18°53'.71N., 071°17'.82E.
		18°53'.68N., 071°17'.04E.
		18°53'.67N., 071°16'.65E.
		18°53'.67N., 071°16'.45E.
		18°53'.67N., 071°16'.04E.
		18°53'.60N., 071°14'.49E.
		18°53'.59N., 071°14'.20E.
		18°53'.55N., 071°13'.93E.
		18°53'.43N., 071°13'.63E.
		18°53'.40N., 071°13'.41E.
		18°53'.38N., 071°12'.82E.
		18°53'.46N., 071°12'.31E.
		18°53'.47N., 071°12'.27E.
		18°53'.43N., 071°11'.52E.
		18°53'.40N., 071°10'.72E.
		18°53'.32N., 071°09'.69E.
		18°53'.20N., 071°07'.01E.
		18°53'.18N., 071°06'.63E.
		18°53'.14N., 071°05'.91E.
		18°53'.09N., 071°05'.25E.
		18°52'.97N., 071°04'.71E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	18°52'.93N., 071°04'.43E.
		18°52'.91N., 071°04'.05E.
		18°52'.94N., 071°03'.65E.
		18°52'.99N., 071°03'.48E.
		18°53'.02N., 071°03'.18E.
		18°52'.68N., 070°57'.65E.
		18°52'.63N., 070°57'.44E.
		18°52'.61N., 070°57'.18E.
		18°52'.63N., 070°57'.08E.
		18°52'.67N., 070°56'.97E.
		18°52'.68N., 070°56'.86E.
		18°52'.67N., 070°56'.62E.
		18°52'.59N., 070°55'.43E.
		18°52'.51N., 070°54'.40E.
		18°52'.48N., 070°54'.32E.
		18°52'.45N., 070°54'.25E.
		18°52'.42N., 070°54'.18E.
		18°52'.40N., 070°54'.08E.
		18°52'.40N., 070°53'.89E.
		18°52'.39N., 070°53'.62E.
		18°52'.39N., 070°53'.45E.
		18°52'.32N., 070°52'.71E.
		18°52'.09N., 070°51'.97E.
		18°51'.36N., 070°49'.36E.
		18°51'.32N., 070°49'.22E.
		18°50'.50N., 070°46'.68E.
		18°50'.41N., 070°46'.38E.
		18°50'.31N., 070°46'.08E.
		18°50'.23N., 070°45'.83E.
		18°48'.32N., 070°39'.81E.
		18°48'.07N., 070°39'.23E.
		18°47'.82N., 070°38'.28E.
		18°47'.43N., 070°37'.05E.
		18°47'.24N., 070°36'.52E.
		18°46'.74N., 070°35'.11E.
		18°46'.39N., 070°34'.14E.
		18°46'.36N., 070°34'.05E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	18°46'.17N., 070°33'.22E.
		18°45'.16N., 070°29'.97E.
		18°44'.91N., 070°29'.31E.
		18°44'.28N., 070°27'.40E.
		18°43'.91N., 070°26'.26E.
		18°43'.07N., 070°23'.66E.
		18°43'.02N., 070°23'.49E.
		18°42'.98N., 070°23'.37E.
		18°42'.90N., 070°23'.14E.
		18°42'.92N., 070°23'.12E.
		18°42'.99N., 070°23'.07E.
		18°42'.99N., 070°23'.06E.
		18°42'.98N., 070°23'.05E.
		18°42'.90N., 070°23'.06E.
		18°42'.87N., 070°23'.05E.
		18°42'.86N., 070°23'.03E.
		18°42'.78N., 070°22'.81E.
		18°42'.66N., 070°22'.26E.
		18°42'.58N., 070°22'.02E.
		18°42'.17N., 070°20'.74E.
		18°41'.71N., 070°19'.26E.
		18°41'.53N., 070°18'.77E.
		18°41'.47N., 070°18'.58E.
		18°41'.15N., 070°17'.58E.
		18°40'.66N., 070°16'.29E.
		18°40'.31N., 070°15'.08E.
		18°40'.00N., 070°13'.75E.
		18°39'.52N., 070°12'.44E.
		18°38'.99N., 070°10'.84E.
		18°37'.83N., 070°08'.56E.
		18°36'.62N., 070°06'.20E.
		18°36'.28N., 070°04'.16E.
		18°36'.24N., 070°02'.03E.
		18°36'.19N., 070°00'.26E.
		18°36'.17N., 069°58'.90E.
		18°36'.09N., 069°58'.20E.
		18°36'.08N., 069°58'.14E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	18°35'.86N., 069°57'.20E.
		18°34'.40N., 069°52'.14E.
		18°34'.23N., 069°51'.32E.
		18°34'.14N., 069°50'.53E.
		18°34'.13N., 069°49'.75E.
		18°34'.21N., 069°49'.12E.
		18°34'.36N., 069°48'.60E.
		18°34'.40N., 069°48'.49E.
		18°34'.66N., 069°48'.00E.
		18°35'.16N., 069°47'.30E.
		18°36'.12N., 069°46'.12E.
		18°38'.21N., 069°43'.53E.
		18°38'.23N., 069°43'.50E.
		18°38'.58N., 069°42'.94E.
		18°38'.67N., 069°42'.76E.
		18°38'.96N., 069°42'.05E.
		18°39'.27N., 069°40'.97E.
		18°39'.57N., 069°39'.65E.
		18°39'.70N., 069°39'.03E.
		18°40'.14N., 069°36'.47E.
		18°42'.35N., 069°22'.28E.
		18°43'.51N., 069°14'.91E.
		18°43'.64N., 069°14'.21E.
		18°43'.86N., 069°13'.02E.
		18°47'.39N., 068°55'.38E.
		18°49'.18N., 068°46'.50E.
		18°54'.12N., 068°21'.92E.
		18°54'.52N., 068°19'.94E.
		18°59'.81N., 067°53'.61E.
		19°04'.91N., 067°27'.94E.
		19°05'.02N., 067°27'.28E.
		19°05'.16N., 067°26'.36E.
		19°05'.44N., 067°24'.06E.
		19°05'.79N., 067°20'.31E.
		19°05'.95N., 067°18'.23E.
		19°06'.09N., 067°17'.37E.
		19°06'.25N., 067°16'.75E.

*078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).		
Insert	submarine cable,  , joining	19°06'.60N., 067°15'.71E.
		19°07'.44N., 067°13'.75E.
		19°07'.85N., 067°12'.78E.
		19°08'.78N., 067°10'.75E.
		19°09'.09N., 067°09'.87E.
		19°09'.16N., 067°09'.63E.
		19°09'.52N., 067°08'.25E.
		19°11'.01N., 067°01'.05E.
		19°11'.66N., 066°58'.09E.
		19°11'.71N., 066°57'.90E.
		19°12'.83N., 066°53'.50E.
		19°17'.19N., 066°37'.06E.
		19°17'.75N., 066°35'.07E.
		19°17'.79N., 066°34'.91E.
		19°18'.00N., 066°33'.79E.
		19°18'.04N., 066°33'.46E.
		19°18'.13N., 066°32'.13E.
		19°18'.41N., 066°20'.37E.
		19°18'.69N., 066°08'.12E.
		19°18'.78N., 066°05'.69E.
		19°18'.90N., 066°04'.36E.
		19°19'.15N., 066°02'.55E.
		19°21'.08N., 065°51'.96E.
		19°21'.94N., 065°47'.29E.
		19°22'.86N., 065°42'.36E.
		19°23'.00N., 065°41'.62E.
		19°24'.12N., 065°35'.50E.
		19°24'.40N., 065°34'.14E.
		19°24'.66N., 065°33'.24E.
		19°25'.19N., 065°31'.93E.
		19°26'.52N., 065°29'.01E.
		19°28'.85N., 065°24'.04E.
		19°29'.24N., 065°23'.00E.
		19°29'.57N., 065°21'.78E.
		19°30'.77N., 065°15'.72E.
		19°36'.06N., 064°48'.95E.
		19°41'.77N., 064°19'.97E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		19°41'.96N., 064°19'.00E.
		19°42'.84N., 064°14'.43E.
		19°43'.47N., 064°10'.89E.
		19°44'.89N., 064°02'.49E.
		19°46'.30N., 063°54'.04E.
		19°48'.16N., 063°43'.05E.
		19°50'.81N., 063°27'.44E.
		19°51'.06N., 063°26'.11E.
		19°51'.97N., 063°21'.34E.
		19°52'.89N., 063°16'.54E.
		19°56'.02N., 063°00'.40E.
		19°56'.64N., 062°57'.13E.
		19°57'.04N., 062°54'.75E.
		19°57'.27N., 062°53'.84E.
		19°57'.44N., 062°53'.34E.
		19°57'.78N., 062°52'.62E.
		19°58'.27N., 062°51'.80E.
		19°59'.33N., 062°50'.27E.
		20°01'.32N., 062°47'.32E.
		20°07'.98N., 062°37'.23E.
		20°08'.43N., 062°36'.51E.
		20°09'.59N., 062°34'.69E.
		20°10'.15N., 062°33'.97E.
		20°10'.65N., 062°33'.45E.
		20°11'.37N., 062°32'.83E.
		20°12'.50N., 062°32'.02E.
		20°15'.79N., 062°29'.87E.
		20°15'.85N., 062°29'.82E.
		20°20'.89N., 062°26'.46E.
		20°22'.17N., 062°25'.54E.
		20°24'.08N., 062°24'.05E.
		20°29'.81N., 062°19'.37E.
		20°30'.82N., 062°18'.54E.
		20°33'.14N., 062°16'.67E.
		20°35'.05N., 062°15'.25E.
		20°35'.55N., 062°14'.80E.
		20°36'.38N., 062°13'.85E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		20°36'.94N., 062°12'.93E.
		20°38'.90N., 062°09'.34E.
		20°40'.47N., 062°06'.60E.
		20°49'.73N., 061°50'.73E.
		20°51'.75N., 061°47'.31E.
		20°52'.24N., 061°46'.52E.
		20°53'.83N., 061°44'.15E.
		21°00'.04N., 061°35'.20E.
		21°00'.72N., 061°34'.22E.
		21°04'.49N., 061°28'.81E.
		21°06'.28N., 061°26'.21E.
		21°07'.09N., 061°24'.90E.
		21°07'.40N., 061°24'.56E.
		21°07'.69N., 061°24'.33E.
		21°08'.24N., 061°24'.05E.
		21°15'.38N., 061°21'.38E.
		21°24'.00N., 061°17'.97E.
		21°26'.21N., 061°17'.04E.
		21°26'.39N., 061°16'.97E.
		21°27'.22N., 061°16'.73E.
		21°27'.86N., 061°16'.62E.
		21°28'.75N., 061°16'.59E.
		21°29'.73N., 061°16'.67E.
		21°35'.48N., 061°17'.57E.
		21°51'.66N., 061°19'.95E.
		21°57'.54N., 061°20'.85E.
		21°59'.88N., 061°21'.27E.
		22°00'.13N., 061°21'.30E.
		22°00'.90N., 061°21'.35E.
		22°01'.35N., 061°21'.34E.
		22°02'.18N., 061°21'.26E.
		22°03'.88N., 061°20'.96E.
		22°05'.58N., 061°20'.61E.
		22°06'.46N., 061°20'.36E.
		22°07'.14N., 061°20'.08E.
		22°08'.00N., 061°19'.61E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**




Insert	submarine cable,  , joining	22°09'.19N., 061°18'.82E.
		22°09'.32N., 061°18'.72E.
		22°11'.23N., 061°17'.38E.
		22°11'.44N., 061°17'.02E.
		22°12'.48N., 061°15'.52E.
		22°13'.44N., 061°14'.30E.
		22°13'.67N., 061°13'.88E.
		22°13'.71N., 061°13'.76E.
		22°13'.82N., 061°13'.32E.
		22°13'.88N., 061°12'.46E.
		22°13'.93N., 061°11'.21E.
		22°14'.00N., 061°11'.00E.
		22°14'.13N., 061°10'.85E.
		22°14'.36N., 061°10'.82E.
		22°14'.62N., 061°10'.80E.
		22°16'.04N., 061°11'.10E.
		22°16'.18N., 061°11'.13E.
		22°16'.20N., 061°11'.11E.
		22°16'.19N., 061°11'.09E.
		22°16'.10N., 061°11'.06E.
		22°15'.99N., 061°11'.02E.
		22°14'.68N., 061°10'.64E.
		22°14'.45N., 061°10'.50E.
		22°14'.33N., 061°10'.35E.
		22°14'.28N., 061°09'.05E.
		22°14'.23N., 061°08'.29E.
		22°14'.07N., 061°07'.88E.
		22°13'.73N., 061°07'.54E.
		22°13'.33N., 061°07'.29E.
		22°12'.65N., 061°06'.89E.


Chart 22 (INT 752) [previous update 03/24]


Insert	submarine cable,  , joining	19°07'.99N., 072°48'.68E.
		19°07'.99N., 072°48'.67E.
		19°07'.98N., 072°48'.66E.
		19°07'.96N., 072°48'.66E.
		19°07'.95N., 072°48'.65E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	
		19°07'.88N., 072°48'.63E.
		19°07'.87N., 072°48'.63E.
		19°07'.72N., 072°48'.58E.
		19°07'.49N., 072°48'.50E.
		19°07'.24N., 072°48'.33E.
		19°07'.15N., 072°48'.23E.
		19°07'.07N., 072°48'.13E.
		19°06'.14N., 072°46'.94E.
		19°06'.03N., 072°46'.85E.
		19°05'.91N., 072°46'.79E.
		19°05'.72N., 072°46'.75E.
		19°05'.64N., 072°46'.73E.
		19°05'.23N., 072°46'.65E.
		19°04'.94N., 072°46'.60E.
		19°04'.82N., 072°46'.53E.
		19°04'.71N., 072°46'.43E.
		19°04'.61N., 072°46'.28E.
		19°03'.95N., 072°44'.82E.
		19°03'.71N., 072°44'.43E.
		19°03'.24N., 072°43'.27E.
		19°02'.77N., 072°42'.12E.
		19°02'.69N., 072°41'.92E.
		19°02'.54N., 072°41'.65E.
		19°02'.38N., 072°41'.48E.
		19°02'.17N., 072°41'.35E.
		19°01'.93N., 072°41'.25E.
		19°01'.41N., 072°41'.02E.
		19°01'.32N., 072°40'.98E.
		19°01'.12N., 072°40'.90E.
		19°00'.85N., 072°40'.78E.
		19°00'.45N., 072°40'.61E.
		19°00'.06N., 072°40'.44E.
		18°59'.92N., 072°40'.38E.
		18°59'.63N., 072°40'.25E.
		18°59'.54N., 072°40'.21E.
		18°59'.44N., 072°40'.13E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	18°59'.38N., 072°40'.06E.
		18°59'.27N., 072°39'.83E.
		18°59'.22N., 072°39'.62E.
		18°59'.12N., 072°39'.22E.
		18°59'.03N., 072°38'.61E.
		18°58'.98N., 072°38'.28E.
		18°58'.98N., 072°38'.22E.
		18°58'.92N., 072°37'.80E.
		18°58'.69N., 072°36'.86E.
		18°58'.66N., 072°36'.74E.
		18°58'.49N., 072°35'.80E.
		18°58'.38N., 072°35'.18E.
		18°58'.38N., 072°35'.01E.
		18°58'.41N., 072°34'.87E.
		18°58'.57N., 072°34'.54E.
		18°58'.63N., 072°34'.41E.
		18°58'.90N., 072°33'.84E.
		18°59'.04N., 072°33'.55E.
		18°59'.10N., 072°33'.33E.
		18°59'.12N., 072°33'.24E.
		18°59'.13N., 072°33'.18E.
		18°59'.16N., 072°33'.08E.
		18°59'.16N., 072°32'.60E.
		18°59'.12N., 072°32'.23E.
		18°59'.11N., 072°32'.13E.
		18°59'.02N., 072°31'.38E.
		18°58'.93N., 072°30'.65E.
		18°58'.86N., 072°30'.44E.
		18°58'.74N., 072°30'.26E.
		18°58'.69N., 072°30'.18E.
		18°58'.68N., 072°30'.16E.
		18°58'.65N., 072°30'.11E.
		18°58'.63N., 072°30'.09E.
		18°58'.56N., 072°29'.98E.
		18°58'.51N., 072°29'.90E.
		18°58'.27N., 072°29'.52E.
		18°58'.09N., 072°29'.00E.

*078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).		
Insert	submarine cable,  , joining	18°58'.00N., 072°27'.90E.
		18°57'.95N., 072°27'.30E.
		18°58'.10N., 072°25'.93E.
		18°58'.38N., 072°24'.93E.
		18°58'.56N., 072°24'.27E.
		18°58'.57N., 072°24'.12E.
		18°58'.54N., 072°23'.93E.
		18°58'.53N., 072°23'.91E.
		18°58'.49N., 072°23'.80E.
		18°58'.48N., 072°23'.77E.
		18°58'.47N., 072°23'.74E.
		18°58'.46N., 072°23'.72E.
		18°58'.41N., 072°23'.60E.
		18°58'.29N., 072°23'.33E.
		18°58'.20N., 072°22'.78E.
		18°57'.97N., 072°21'.74E.
		18°57'.81N., 072°20'.96E.
		18°57'.78N., 072°20'.51E.
		18°57'.80N., 072°20'.37E.
		18°57'.80N., 072°20'.34E.
		18°57'.87N., 072°20'.19E.
		18°57'.96N., 072°20'.07E.
		18°57'.97N., 072°20'.06E.
		18°58'.19N., 072°19'.90E.
		18°58'.29N., 072°19'.82E.
		18°58'.36N., 072°19'.76E.
		18°58'.37N., 072°19'.74E.
		18°58'.43N., 072°19'.68E.
		18°58'.48N., 072°19'.57E.
		18°58'.50N., 072°19'.44E.
		18°58'.50N., 072°19'.24E.
		18°58'.35N., 072°16'.79E.
		18°58'.33N., 072°16'.46E.
		18°58'.28N., 072°16'.28E.
		18°58'.25N., 072°16'.23E.
		18°58'.23N., 072°16'.20E.
		18°58'.21N., 072°16'.18E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	18°58'.20N., 072°16'.16E.
		18°58'.18N., 072°16'.14E.
		18°58'.17N., 072°16'.10E.
		18°58'.17N., 072°15'.98E.
		18°58'.17N., 072°15'.97E.
		18°58'.16N., 072°15'.97E.
		18°58'.07N., 072°16'.00E.
		18°58'.02N., 072°16'.01E.
		18°57'.99N., 072°16'.01E.
		18°57'.96N., 072°16'.00E.
		18°57'.95N., 072°16'.00E.
		18°57'.93N., 072°15'.99E.
		18°57'.88N., 072°15'.96E.
		18°57'.84N., 072°15'.96E.
		18°57'.79N., 072°16'.00E.
		18°57'.78N., 072°16'.00E.
		18°57'.77N., 072°15'.99E.
		18°57'.78N., 072°15'.93E.
		18°57'.77N., 072°15'.90E.
		18°57'.72N., 072°15'.87E.
		18°57'.55N., 072°15'.76E.
		18°57'.36N., 072°15'.63E.
		18°57'.35N., 072°15'.62E.
		18°57'.28N., 072°15'.51E.
		18°57'.23N., 072°15'.34E.
		18°56'.98N., 072°12'.80E.
		18°56'.81N., 072°11'.05E.
		18°56'.68N., 072°06'.63E.
		18°56'.55N., 072°04'.15E.
		18°56'.56N., 072°03'.37E.
		18°56'.86N., 072°01'.93E.
		18°56'.87N., 072°01'.73E.
		18°56'.87N., 072°01'.61E.
		18°56'.88N., 072°01'.59E.
		18°56'.88N., 072°01'.58E.
		18°56'.88N., 072°01'.46E.
		18°56'.88N., 072°01'.44E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	
		18°56'.88N., 072°01'.43E.
		18°56'.88N., 072°01'.41E.
		18°56'.89N., 072°01'.24E.
		18°56'.90N., 072°00'.94E.
		18°56'.66N., 071°59'.74E.
		18°56'.21N., 071°57'.52E.
		18°56'.17N., 071°57'.13E.
		18°56'.14N., 071°54'.12E.
		18°56'.13N., 071°53'.19E.
		18°56'.14N., 071°53'.15E.
		18°56'.22N., 071°53'.10E.
		18°56'.24N., 071°53'.08E.
		18°56'.22N., 071°53'.06E.
		18°56'.14N., 071°53'.03E.
		18°56'.13N., 071°53'.00E.
		18°56'.13N., 071°52'.99E.
		18°56'.13N., 071°52'.98E.
		18°56'.11N., 071°52'.56E.
		18°56'.06N., 071°52'.31E.
		18°56'.02N., 071°52'.13E.
		18°56'.02N., 071°51'.61E.
		18°56'.04N., 071°51'.04E.
		18°56'.02N., 071°50'.48E.
		18°55'.99N., 071°49'.91E.
		18°55'.98N., 071°49'.75E.
		18°55'.93N., 071°49'.11E.
		18°55'.92N., 071°48'.56E.
		18°55'.95N., 071°48'.55E.
		18°56'.02N., 071°48'.52E.
		18°56'.02N., 071°48'.51E.
		18°55'.94N., 071°48'.48E.
		18°55'.92N., 071°48'.47E.
		18°55'.92N., 071°48'.45E.
		18°55'.91N., 071°48'.19E.
		18°55'.79N., 071°47'.68E.
		18°55'.73N., 071°47'.58E.
		18°55'.32N., 071°46'.74E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	18°55'.27N., 071°46'.65E.
		18°55'.26N., 071°46'.62E.
		18°55'.25N., 071°46'.60E.
		18°55'.18N., 071°46'.46E.
		18°55'.08N., 071°46'.25E.
		18°54'.93N., 071°45'.63E.
		18°54'.92N., 071°45'.16E.
		18°54'.82N., 071°44'.12E.
		18°54'.88N., 071°43'.17E.
		18°54'.89N., 071°43'.05E.
		18°54'.81N., 071°42'.01E.
		18°54'.82N., 071°41'.72E.
		18°54'.70N., 071°39'.45E.
		18°54'.69N., 071°37'.05E.
		18°54'.77N., 071°36'.49E.
		18°54'.78N., 071°36'.22E.
		18°54'.78N., 071°35'.99E.
		18°54'.76N., 071°35'.50E.
		18°54'.76N., 071°35'.49E.
		18°54'.69N., 071°35'.03E.
		18°54'.64N., 071°33'.95E.
		18°54'.59N., 071°33'.39E.
		18°54'.61N., 071°31'.20E.
		18°54'.60N., 071°30'.94E.
		18°54'.46N., 071°29'.97E.
		18°54'.32N., 071°29'.26E.
		18°54'.33N., 071°28'.77E.
		18°54'.13N., 071°25'.61E.
		18°54'.13N., 071°25'.56E.
		18°54'.11N., 071°24'.60E.
		18°53'.95N., 071°21'.35E.
		18°53'.81N., 071°18'.67E.
		18°53'.71N., 071°17'.82E.
		18°53'.68N., 071°17'.04E.
		18°53'.67N., 071°16'.65E.
		18°53'.67N., 071°16'.45E.
		18°53'.67N., 071°16'.04E.

*078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).		
Insert	submarine cable,  , joining	18°53'.60N., 071°14'.49E.
		18°53'.59N., 071°14'.20E.
		18°53'.55N., 071°13'.93E.
		18°53'.43N., 071°13'.63E.
		18°53'.40N., 071°13'.41E.
		18°53'.38N., 071°12'.82E.
		18°53'.46N., 071°12'.31E.
		18°53'.47N., 071°12'.27E.
		18°53'.43N., 071°11'.52E.
		18°53'.40N., 071°10'.72E.
		18°53'.32N., 071°09'.69E.
		18°53'.20N., 071°07'.01E.
		18°53'.18N., 071°06'.63E.
		18°53'.14N., 071°05'.91E.
		18°53'.09N., 071°05'.25E.
		18°52'.97N., 071°04'.71E.
		18°52'.93N., 071°04'.43E.
		18°52'.91N., 071°04'.05E.
		18°52'.94N., 071°03'.65E.
		18°52'.99N., 071°03'.48E.
		18°53'.02N., 071°03'.18E.
		18°52'.68N., 070°57'.65E.
		18°52'.63N., 070°57'.44E.
		18°52'.61N., 070°57'.18E.
		18°52'.63N., 070°57'.08E.
		18°52'.67N., 070°56'.97E.
		18°52'.68N., 070°56'.86E.
		18°52'.67N., 070°56'.62E.
		18°52'.59N., 070°55'.43E.
		18°52'.51N., 070°54'.40E.
		18°52'.48N., 070°54'.32E.
		18°52'.45N., 070°54'.25E.
		18°52'.42N., 070°54'.18E.
		18°52'.40N., 070°54'.08E.
		18°52'.40N., 070°53'.89E.
		18°52'.39N., 070°53'.62E.
		18°52'.39N., 070°53'.45E.



***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		18°52'.32N., 070°52'.71E.
		18°52'.09N., 070°51'.97E.
		18°51'.36N., 070°49'.36E.
		18°51'.32N., 070°49'.22E.
		18°50'.50N., 070°46'.68E.
		18°50'.41N., 070°46'.38E.
		18°50'.31N., 070°46'.08E.
		18°50'.23N., 070°45'.83E.
		18°48'.32N., 070°39'.81E.
		18°48'.07N., 070°39'.23E.
		18°47'.82N., 070°38'.28E.
		18°47'.43N., 070°37'.05E.
		18°47'.24N., 070°36'.52E.
		18°46'.74N., 070°35'.11E.
		18°46'.39N., 070°34'.14E.
		18°46'.36N., 070°34'.05E.
		18°46'.17N., 070°33'.22E.
		18°45'.16N., 070°29'.97E.
		18°44'.91N., 070°29'.31E.
		18°44'.28N., 070°27'.40E.
		18°43'.91N., 070°26'.26E.
		18°43'.07N., 070°23'.66E.
		18°43'.02N., 070°23'.49E.
		18°42'.98N., 070°23'.37E.
		18°42'.90N., 070°23'.14E.
		18°42'.92N., 070°23'.12E.
		18°42'.99N., 070°23'.07E.
		18°42'.99N., 070°23'.06E.
		18°42'.98N., 070°23'.05E.
		18°42'.90N., 070°23'.06E.
		18°42'.87N., 070°23'.05E.
		18°42'.86N., 070°23'.03E.
		18°42'.78N., 070°22'.81E.
		18°42'.66N., 070°22'.26E.
		18°42'.58N., 070°22'.02E.
		18°42'.17N., 070°20'.74E.
		18°41'.71N., 070°19'.26E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		18°41'.53N., 070°18'.77E.
		18°41'.47N., 070°18'.58E.
		18°41'.15N., 070°17'.58E.
		18°40'.66N., 070°16'.29E.
		18°40'.31N., 070°15'.08E.
		18°40'.00N., 070°13'.75E.
		18°39'.52N., 070°12'.44E.
		18°38'.99N., 070°10'.84E.
		18°37'.83N., 070°08'.56E.
		18°36'.62N., 070°06'.20E.
		18°36'.28N., 070°04'.16E.
		18°36'.24N., 070°02'.03E.
		18°36'.19N., 070°00'.26E.
		18°36'.17N., 069°58'.90E.
		18°36'.09N., 069°58'.20E.
		18°36'.08N., 069°58'.14E.
		18°35'.86N., 069°57'.20E.
		18°34'.40N., 069°52'.14E.
		18°34'.23N., 069°51'.32E.
		18°34'.14N., 069°50'.53E.
		18°34'.13N., 069°49'.75E.
		18°34'.21N., 069°49'.12E.
		18°34'.36N., 069°48'.60E.
		18°34'.40N., 069°48'.49E.
		18°34'.66N., 069°48'.00E.
		18°35'.16N., 069°47'.30E.
		18°36'.12N., 069°46'.12E.
		18°38'.21N., 069°43'.53E.
		18°38'.23N., 069°43'.50E.
		18°38'.58N., 069°42'.94E.
		18°38'.67N., 069°42'.76E.
		18°38'.96N., 069°42'.05E.
		18°39'.27N., 069°40'.97E.
		18°39'.57N., 069°39'.65E.
		18°39'.70N., 069°39'.03E.
		18°40'.14N., 069°36'.47E.
		18°42'.35N., 069°22'.28E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°43'.51N., 069°14'.91E.
		18°43'.64N., 069°14'.21E.
		18°43'.86N., 069°13'.02E.
		18°44'.46N., 069°10'.00E.
Chart 211 [<i>previous update 031/24</i>]		
Insert	submarine cable,  , joining	19°07'.99N., 072°48'.68E.
		19°07'.99N., 072°48'.67E.
		19°07'.98N., 072°48'.66E.
		19°07'.96N., 072°48'.66E.
		19°07'.95N., 072°48'.65E.
		19°07'.88N., 072°48'.63E.
		19°07'.87N., 072°48'.63E.
		19°07'.72N., 072°48'.58E.
		19°07'.49N., 072°48'.50E.
		19°07'.24N., 072°48'.33E.
		19°07'.15N., 072°48'.23E.
		19°07'.07N., 072°48'.13E.
		19°06'.14N., 072°46'.94E.
		19°06'.03N., 072°46'.85E.
		19°05'.91N., 072°46'.79E.
		19°05'.72N., 072°46'.75E.
		19°05'.64N., 072°46'.73E.
		19°05'.23N., 072°46'.65E.
		19°04'.94N., 072°46'.60E.
		19°04'.82N., 072°46'.53E.
		19°04'.71N., 072°46'.43E.
		19°04'.61N., 072°46'.28E.
		19°03'.95N., 072°44'.82E.
		19°03'.71N., 072°44'.43E.
		19°03'.24N., 072°43'.27E.
		19°02'.77N., 072°42'.12E.
		19°02'.69N., 072°41'.92E.
		19°02'.54N., 072°41'.65E.
		19°02'.38N., 072°41'.48E.
		19°02'.17N., 072°41'.35E.
		19°01'.93N., 072°41'.25E.
		19°01'.41N., 072°41'.02E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**



Insert	submarine cable,  , joining	
		19°01'.32N., 072°40'.98E.
		19°01'.12N., 072°40'.90E.
		19°00'.85N., 072°40'.78E.
		19°00'.45N., 072°40'.61E.
		19°00'.06N., 072°40'.44E.
		18°59'.92N., 072°40'.38E.
		18°59'.63N., 072°40'.25E.
		18°59'.54N., 072°40'.21E.
		18°59'.44N., 072°40'.13E.
		18°59'.38N., 072°40'.06E.
		18°59'.27N., 072°39'.83E.
		18°59'.22N., 072°39'.62E.
		18°59'.12N., 072°39'.22E.
		18°59'.03N., 072°38'.61E.
		18°58'.98N., 072°38'.28E.
		18°58'.98N., 072°38'.22E.
		18°58'.92N., 072°37'.80E.
		18°58'.69N., 072°36'.86E.
		18°58'.66N., 072°36'.74E.
		18°58'.49N., 072°35'.80E.
		18°58'.38N., 072°35'.18E.
		18°58'.38N., 072°35'.01E.
		18°58'.41N., 072°34'.87E.
		18°58'.57N., 072°34'.54E.
		18°58'.63N., 072°34'.41E.
		18°58'.90N., 072°33'.84E.
		18°59'.04N., 072°33'.55E.
		18°59'.10N., 072°33'.33E.
		18°59'.12N., 072°33'.24E.
		18°59'.13N., 072°33'.18E.
		18°59'.16N., 072°33'.08E.
		18°59'.16N., 072°32'.60E.
		18°59'.12N., 072°32'.23E.
		18°59'.11N., 072°32'.13E.
		18°59'.02N., 072°31'.38E.
		18°58'.93N., 072°30'.65E.
		18°58'.86N., 072°30'.44E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	
		18°58'.74N., 072°30'.26E.
		18°58'.69N., 072°30'.18E.
		18°58'.68N., 072°30'.16E.
		18°58'.65N., 072°30'.11E.
		18°58'.63N., 072°30'.09E.
		18°58'.56N., 072°29'.98E.
		18°58'.51N., 072°29'.90E.
		18°58'.27N., 072°29'.52E.
		18°58'.09N., 072°29'.00E.
		18°58'.00N., 072°27'.90E.
		18°57'.95N., 072°27'.30E.
		18°58'.10N., 072°25'.93E.
		18°58'.38N., 072°24'.93E.
		18°58'.56N., 072°24'.27E.
		18°58'.57N., 072°24'.12E.
		18°58'.54N., 072°23'.93E.
		18°58'.53N., 072°23'.91E.
		18°58'.49N., 072°23'.80E.
		18°58'.48N., 072°23'.77E.
		18°58'.47N., 072°23'.74E.
		18°58'.46N., 072°23'.72E.
		18°58'.41N., 072°23'.60E.
		18°58'.29N., 072°23'.33E.
		18°58'.20N., 072°22'.78E.
		18°57'.97N., 072°21'.74E.
		18°57'.81N., 072°20'.96E.
		18°57'.78N., 072°20'.51E.
		18°57'.80N., 072°20'.37E.
		18°57'.80N., 072°20'.34E.
		18°57'.87N., 072°20'.19E.
		18°57'.96N., 072°20'.07E.
		18°57'.97N., 072°20'.06E.
		18°58'.19N., 072°19'.90E.
		18°58'.29N., 072°19'.82E.
		18°58'.36N., 072°19'.76E.
		18°58'.37N., 072°19'.74E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	
		18°58'.43N., 072°19'.68E.
		18°58'.48N., 072°19'.57E.
		18°58'.50N., 072°19'.44E.
		18°58'.50N., 072°19'.24E.
		18°58'.35N., 072°16'.79E.
		18°58'.33N., 072°16'.46E.
		18°58'.28N., 072°16'.28E.
		18°58'.25N., 072°16'.23E.
		18°58'.23N., 072°16'.20E.
		18°58'.21N., 072°16'.18E.
		18°58'.20N., 072°16'.16E.
		18°58'.18N., 072°16'.14E.
		18°58'.17N., 072°16'.10E.
		18°58'.17N., 072°15'.98E.
		18°58'.17N., 072°15'.97E.
		18°58'.16N., 072°15'.97E.
		18°58'.07N., 072°16'.00E.
		18°58'.02N., 072°16'.01E.
		18°57'.99N., 072°16'.01E.
		18°57'.96N., 072°16'.00E.
		18°57'.95N., 072°16'.00E.
		18°57'.93N., 072°15'.99E.
		18°57'.88N., 072°15'.96E.
		18°57'.84N., 072°15'.96E.
		18°57'.79N., 072°16'.00E.
		18°57'.78N., 072°16'.00E.
		18°57'.77N., 072°15'.99E.
		18°57'.78N., 072°15'.93E.
		18°57'.77N., 072°15'.90E.
		18°57'.72N., 072°15'.87E.
		18°57'.55N., 072°15'.76E.
		18°57'.36N., 072°15'.63E.
		18°57'.35N., 072°15'.62E.
		18°57'.28N., 072°15'.51E.
		18°57'.23N., 072°15'.34E.
		18°56'.98N., 072°12'.80E.

*078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).		
Insert	submarine cable,  , joining	18°56′.81N., 072°11′.05E.
		18°56′.72N., 072°08′.00E.
Chart 255 (INT 7334) [previous update 031/24]		
Insert	submarine cable,  , joining	19°07′.99N., 072°48′.68E.
		19°07′.99N., 072°48′.67E.
		19°07′.98N., 072°48′.66E.
		19°07′.96N., 072°48′.66E.
		19°07′.95N., 072°48′.65E.
		19°07′.88N., 072°48′.63E.
		19°07′.87N., 072°48′.63E.
		19°07′.72N., 072°48′.58E.
		19°07′.49N., 072°48′.50E.
		19°07′.24N., 072°48′.33E.
		19°07′.15N., 072°48′.23E.
		19°07′.07N., 072°48′.13E.
		19°06′.14N., 072°46′.94E.
		19°06′.03N., 072°46′.85E.
		19°05′.91N., 072°46′.79E.
		19°05′.72N., 072°46′.75E.
		19°05′.64N., 072°46′.73E.
		19°05′.23N., 072°46′.65E.
		19°04′.94N., 072°46′.60E.
		19°04′.82N., 072°46′.53E.
		19°04′.71N., 072°46′.43E.
		19°04′.61N., 072°46′.28E.
		19°03′.95N., 072°44′.82E.
		19°03′.71N., 072°44′.43E.
		19°03′.24N., 072°43′.27E.
		19°02′.77N., 072°42′.12E.
		19°02′.69N., 072°41′.92E.
		19°02′.54N., 072°41′.65E.
		19°02′.38N., 072°41′.48E.
		19°02′.17N., 072°41′.35E.
		19°01′.93N., 072°41′.25E.
		19°01′.41N., 072°41′.02E.
		19°01′.32N., 072°40′.98E.
		19°01′.12N., 072°40′.90E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	19°00'.85N., 072°40'.78E.
		19°00'.45N., 072°40'.61E.
		19°00'.06N., 072°40'.44E.
		18°59'.92N., 072°40'.38E.
		18°59'.63N., 072°40'.25E.
		18°59'.54N., 072°40'.21E.
		18°59'.44N., 072°40'.13E.
		18°59'.38N., 072°40'.06E.
		18°59'.27N., 072°39'.83E.
		18°59'.22N., 072°39'.62E.
		18°59'.12N., 072°39'.22E.
		18°59'.03N., 072°38'.61E.
		18°58'.98N., 072°38'.28E.
		18°58'.98N., 072°38'.22E.
		18°58'.92N., 072°37'.80E.
		18°58'.69N., 072°36'.86E.
		18°58'.66N., 072°36'.74E.
		18°58'.49N., 072°35'.80E.
		18°58'.38N., 072°35'.18E.
		18°58'.38N., 072°35'.01E.
		18°58'.41N., 072°34'.87E.
		18°58'.57N., 072°34'.54E.
		18°58'.63N., 072°34'.41E.
		18°58'.90N., 072°33'.84E.
		18°59'.04N., 072°33'.55E.
		18°59'.10N., 072°33'.33E.
		18°59'.12N., 072°33'.24E.
		18°59'.13N., 072°33'.18E.
		18°59'.16N., 072°33'.08E.
		18°59'.16N., 072°32'.60E.
		18°59'.12N., 072°32'.23E.
		18°59'.11N., 072°32'.13E.
		18°59'.02N., 072°31'.38E.
		18°58'.93N., 072°30'.65E.
		18°58'.86N., 072°30'.44E.
		18°58'.74N., 072°30'.26E.
		18°58'.69N., 072°30'.18E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°58'.68N., 072°30'.16E.
		18°58'.65N., 072°30'.11E.
		18°58'.63N., 072°30'.09E.
		18°58'.56N., 072°29'.98E.
		18°58'.51N., 072°29'.90E.
		18°58'.27N., 072°29'.52E.
		18°58'.09N., 072°29'.00E.
		18°58'.00N., 072°27'.90E.
		18°57'.95N., 072°27'.30E.
		18°58'.10N., 072°25'.93E.
		18°58'.38N., 072°24'.93E.
		18°58'.56N., 072°24'.27E.
		18°58'.57N., 072°24'.12E.
		18°58'.54N., 072°23'.93E.
		18°58'.53N., 072°23'.91E.
		18°58'.49N., 072°23'.80E.
		18°58'.48N., 072°23'.77E.
		18°58'.47N., 072°23'.74E.
		18°58'.46N., 072°23'.72E.
		18°58'.41N., 072°23'.60E.
		18°58'.29N., 072°23'.33E.
		18°58'.20N., 072°22'.78E.
		18°57'.97N., 072°21'.74E.
		18°57'.81N., 072°20'.96E.
		18°57'.78N., 072°20'.51E.
		18°57'.80N., 072°20'.37E.
		18°57'.80N., 072°20'.34E.
		18°57'.87N., 072°20'.19E.
		18°57'.96N., 072°20'.07E.
		18°57'.97N., 072°20'.06E.
		18°58'.19N., 072°19'.90E.
		18°58'.29N., 072°19'.82E.
		18°58'.36N., 072°19'.76E.
		18°58'.37N., 072°19'.74E.
		18°58'.43N., 072°19'.68E.
		18°58'.48N., 072°19'.57E.
		18°58'.50N., 072°19'.44E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°58'.50N., 072°19'.24E.
		18°58'.35N., 072°16'.79E.
		18°58'.33N., 072°16'.46E.
		18°58'.28N., 072°16'.28E.
		18°58'.25N., 072°16'.23E.
		18°58'.23N., 072°16'.20E.
		18°58'.21N., 072°16'.18E.
		18°58'.20N., 072°16'.16E.
		18°58'.18N., 072°16'.14E.
		18°58'.17N., 072°16'.10E.
		18°58'.17N., 072°15'.98E.
		18°58'.17N., 072°15'.97E.
		18°58'.16N., 072°15'.97E.
		18°58'.07N., 072°16'.00E.
		18°58'.02N., 072°16'.01E.
		18°57'.99N., 072°16'.01E.
		18°57'.96N., 072°16'.00E.
		18°57'.95N., 072°16'.00E.
		18°57'.93N., 072°15'.99E.
		18°57'.88N., 072°15'.96E.
		18°57'.84N., 072°15'.96E.
		18°57'.79N., 072°16'.00E.
		18°57'.78N., 072°16'.00E.
		18°57'.77N., 072°15'.99E.
		18°57'.78N., 072°15'.93E.
		18°57'.77N., 072°15'.90E.
		18°57'.72N., 072°15'.87E.
		18°57'.55N., 072°15'.76E.
		18°57'.36N., 072°15'.63E.
		18°57'.35N., 072°15'.62E.
		18°57'.28N., 072°15'.51E.
		18°57'.23N., 072°15'.34E.
		18°56'.98N., 072°12'.80E.
		18°56'.81N., 072°11'.05E.
		18°56'.68N., 072°06'.63E.
		18°56'.55N., 072°04'.15E.
		18°56'.56N., 072°03'.37E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		18°56'.86N., 072°01'.93E.
		18°56'.87N., 072°01'.73E.
		18°56'.87N., 072°01'.61E.
		18°56'.88N., 072°01'.59E.
		18°56'.88N., 072°01'.58E.
		18°56'.88N., 072°01'.46E.
		18°56'.88N., 072°01'.44E.
		18°56'.88N., 072°01'.43E.
		18°56'.88N., 072°01'.41E.
		18°56'.89N., 072°01'.24E.
		18°56'.90N., 072°00'.94E.
		18°56'.66N., 071°59'.74E.
		18°56'.21N., 071°57'.52E.
		18°56'.17N., 071°57'.13E.
		18°56'.14N., 071°54'.12E.
		18°56'.13N., 071°53'.19E.
		18°56'.14N., 071°53'.15E.
		18°56'.22N., 071°53'.10E.
		18°56'.24N., 071°53'.08E.
		18°56'.22N., 071°53'.06E.
		18°56'.14N., 071°53'.03E.
		18°56'.13N., 071°53'.00E.
		18°56'.13N., 071°52'.99E.
		18°56'.13N., 071°52'.98E.
		18°56'.11N., 071°52'.56E.
		18°56'.06N., 071°52'.31E.
		18°56'.02N., 071°52'.13E.
		18°56'.02N., 071°51'.61E.
		18°56'.04N., 071°51'.04E.
		18°56'.02N., 071°50'.48E.
		18°55'.99N., 071°49'.91E.
		18°55'.98N., 071°49'.75E.
		18°55'.93N., 071°49'.11E.
		18°55'.92N., 071°48'.56E.
		18°55'.95N., 071°48'.55E.
		18°56'.02N., 071°48'.52E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		18°56'.02N., 071°48'.51E.
		18°55'.94N., 071°48'.48E.
		18°55'.92N., 071°48'.47E.
		18°55'.92N., 071°48'.45E.
		18°55'.91N., 071°48'.19E.
		18°55'.79N., 071°47'.68E.
		18°55'.73N., 071°47'.58E.
		18°55'.32N., 071°46'.74E.
		18°55'.27N., 071°46'.65E.
		18°55'.26N., 071°46'.62E.
		18°55'.25N., 071°46'.60E.
		18°55'.18N., 071°46'.46E.
		18°55'.08N., 071°46'.25E.
		18°54'.93N., 071°45'.63E.
		18°54'.92N., 071°45'.16E.
		18°54'.82N., 071°44'.12E.
		18°54'.88N., 071°43'.17E.
		18°54'.89N., 071°43'.05E.
		18°54'.81N., 071°42'.01E.
		18°54'.82N., 071°41'.72E.
		18°54'.70N., 071°39'.45E.
		18°54'.69N., 071°37'.05E.
		18°54'.77N., 071°36'.49E.
		18°54'.78N., 071°36'.22E.
		18°54'.78N., 071°35'.99E.
		18°54'.76N., 071°35'.50E.
		18°54'.76N., 071°35'.49E.
		18°54'.69N., 071°35'.03E.
		18°54'.64N., 071°33'.95E.
		18°54'.59N., 071°33'.39E.
		18°54'.61N., 071°31'.20E.
		18°54'.60N., 071°30'.94E.
		18°54'.46N., 071°29'.97E.
		18°54'.32N., 071°29'.26E.
		18°54'.33N., 071°28'.77E.
		18°54'.13N., 071°25'.61E.



***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		18°54'.13N., 071°25'.56E.
		18°54'.11N., 071°24'.60E.
		18°53'.95N., 071°21'.35E.
		18°53'.81N., 071°18'.67E.
		18°53'.71N., 071°17'.82E.
		18°53'.68N., 071°17'.04E.
		18°53'.67N., 071°16'.65E.
		18°53'.67N., 071°16'.45E.
		18°53'.67N., 071°16'.04E.
		18°53'.60N., 071°14'.49E.
		18°53'.59N., 071°14'.20E.
		18°53'.55N., 071°13'.93E.
		18°53'.43N., 071°13'.63E.
		18°53'.40N., 071°13'.41E.
		18°53'.38N., 071°12'.82E.
		18°53'.46N., 071°12'.31E.
		18°53'.47N., 071°12'.27E.
		18°53'.43N., 071°11'.52E.
		18°53'.40N., 071°10'.72E.
		18°53'.32N., 071°09'.69E.
		18°53'.20N., 071°07'.01E.
		18°53'.18N., 071°06'.63E.
		18°53'.14N., 071°05'.91E.
		18°53'.09N., 071°05'.25E.
		18°52'.97N., 071°04'.71E.
		18°52'.93N., 071°04'.43E.
		18°52'.91N., 071°04'.05E.
		18°52'.94N., 071°03'.65E.
		18°52'.99N., 071°03'.48E.
		18°53'.02N., 071°03'.18E.
		18°52'.68N., 070°57'.65E.
		18°52'.63N., 070°57'.44E.
		18°52'.61N., 070°57'.18E.
		18°52'.63N., 070°57'.08E.
		18°52'.67N., 070°56'.97E.
		18°52'.68N., 070°56'.86E.
		18°52'.67N., 070°56'.62E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	18°52'.59N., 070°55'.43E.
		18°52'.51N., 070°54'.40E.
		18°52'.48N., 070°54'.32E.
		18°52'.45N., 070°54'.25E.
		18°52'.42N., 070°54'.18E.
		18°52'.40N., 070°54'.08E.
		18°52'.40N., 070°53'.89E.
		18°52'.39N., 070°53'.62E.
		18°52'.39N., 070°53'.45E.
		18°52'.32N., 070°52'.71E.
		18°52'.09N., 070°51'.97E.
		18°51'.36N., 070°49'.36E.
		18°51'.32N., 070°49'.22E.
		18°50'.50N., 070°46'.68E.
		18°50'.41N., 070°46'.38E.
		18°50'.31N., 070°46'.08E.
		18°50'.23N., 070°45'.83E.
		18°48'.32N., 070°39'.81E.
		18°48'.07N., 070°39'.23E.
		18°47'.82N., 070°38'.28E.
		18°47'.43N., 070°37'.05E.
		18°47'.24N., 070°36'.52E.
		18°46'.74N., 070°35'.11E.
		18°46'.39N., 070°34'.14E.
		18°46'.36N., 070°34'.05E.
		18°46'.17N., 070°33'.22E.
		18°45'.16N., 070°29'.97E.
		18°44'.91N., 070°29'.31E.
		18°44'.28N., 070°27'.40E.
		18°43'.91N., 070°26'.26E.
		18°43'.07N., 070°23'.66E.
		18°43'.02N., 070°23'.49E.
		18°42'.98N., 070°23'.37E.
		18°42'.90N., 070°23'.14E.
		18°42'.92N., 070°23'.12E.
		18°42'.99N., 070°23'.07E.
		18°42'.99N., 070°23'.06E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	18°42'.98N., 070°23'.05E.
		18°42'.90N., 070°23'.06E.
		18°42'.87N., 070°23'.05E.
		18°42'.86N., 070°23'.03E.
		18°42'.78N., 070°22'.81E.
		18°42'.66N., 070°22'.26E.
		18°42'.58N., 070°22'.02E.
		18°42'.17N., 070°20'.74E.
		18°41'.71N., 070°19'.26E.
		18°41'.53N., 070°18'.77E.
		18°41'.47N., 070°18'.58E.
		18°41'.15N., 070°17'.58E.
		18°40'.93N., 070°17'.00E.
Chart 292 (INT 7021) [previous update 054/24]		
Insert	submarine cable,  , joining	19°07'.99N., 072°48'.68E.
		19°07'.99N., 072°48'.67E.
		19°07'.98N., 072°48'.66E.
		19°07'.96N., 072°48'.66E.
		19°07'.95N., 072°48'.65E.
		19°07'.88N., 072°48'.63E.
		19°07'.87N., 072°48'.63E.
		19°07'.72N., 072°48'.58E.
		19°07'.49N., 072°48'.50E.
		19°07'.24N., 072°48'.33E.
		19°07'.15N., 072°48'.23E.
		19°07'.07N., 072°48'.13E.
		19°06'.14N., 072°46'.94E.
		19°06'.03N., 072°46'.85E.
		19°05'.91N., 072°46'.79E.
		19°05'.72N., 072°46'.75E.
		19°05'.64N., 072°46'.73E.
		19°05'.23N., 072°46'.65E.
		19°04'.94N., 072°46'.60E.
		19°04'.82N., 072°46'.53E.
		19°04'.71N., 072°46'.43E.
		19°04'.61N., 072°46'.28E.
		19°03'.95N., 072°44'.82E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**


Insert	submarine cable,  , joining	
		19°03'.71N., 072°44'.43E.
		19°03'.24N., 072°43'.27E.
		19°02'.77N., 072°42'.12E.
		19°02'.69N., 072°41'.92E.
		19°02'.54N., 072°41'.65E.
		19°02'.38N., 072°41'.48E.
		19°02'.17N., 072°41'.35E.
		19°01'.93N., 072°41'.25E.
		19°01'.41N., 072°41'.02E.
		19°01'.32N., 072°40'.98E.
		19°01'.12N., 072°40'.90E.
		19°00'.85N., 072°40'.78E.
		19°00'.45N., 072°40'.61E.
		19°00'.06N., 072°40'.44E.
		18°59'.92N., 072°40'.38E.
		18°59'.63N., 072°40'.25E.
		18°59'.54N., 072°40'.21E.
		18°59'.44N., 072°40'.13E.
		18°59'.38N., 072°40'.06E.
		18°59'.27N., 072°39'.83E.
		18°59'.22N., 072°39'.62E.
		18°59'.12N., 072°39'.22E.
		18°59'.03N., 072°38'.61E.
		18°58'.98N., 072°38'.28E.
		18°58'.98N., 072°38'.22E.
		18°58'.92N., 072°37'.80E.
		18°58'.69N., 072°36'.86E.
		18°58'.66N., 072°36'.74E.
		18°58'.49N., 072°35'.80E.
		18°58'.38N., 072°35'.18E.
		18°58'.38N., 072°35'.01E.
		18°58'.41N., 072°34'.87E.
		18°58'.57N., 072°34'.54E.
		18°58'.63N., 072°34'.41E.
		18°58'.90N., 072°33'.84E.
		18°59'.04N., 072°33'.55E.
		18°59'.10N., 072°33'.33E.

*078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).		
Insert	submarine cable,  , joining	18°59'.12N., 072°33'.24E.
		18°59'.13N., 072°33'.18E.
		18°59'.16N., 072°33'.08E.
		18°59'.16N., 072°32'.60E.
		18°59'.12N., 072°32'.23E.
		18°59'.11N., 072°32'.13E.
		18°59'.02N., 072°31'.38E.
		18°58'.93N., 072°30'.65E.
		18°58'.86N., 072°30'.44E.
		18°58'.74N., 072°30'.26E.
		18°58'.69N., 072°30'.18E.
		18°58'.68N., 072°30'.16E.
		18°58'.65N., 072°30'.11E.
		18°58'.63N., 072°30'.09E.
		18°58'.56N., 072°29'.98E.
		18°58'.51N., 072°29'.90E.
		18°58'.27N., 072°29'.52E.
		18°58'.09N., 072°29'.00E.
		18°58'.00N., 072°27'.90E.
		18°57'.95N., 072°27'.30E.
		18°58'.10N., 072°25'.93E.
		18°58'.38N., 072°24'.93E.
		18°58'.56N., 072°24'.27E.
		18°58'.57N., 072°24'.12E.
		18°58'.54N., 072°23'.93E.
		18°58'.53N., 072°23'.91E.
		18°58'.49N., 072°23'.80E.
		18°58'.48N., 072°23'.77E.
		18°58'.47N., 072°23'.74E.
		18°58'.46N., 072°23'.72E.
		18°58'.41N., 072°23'.60E.
		18°58'.29N., 072°23'.33E.
		18°58'.20N., 072°22'.78E.
		18°57'.97N., 072°21'.74E.
		18°57'.81N., 072°20'.96E.
		18°57'.78N., 072°20'.51E.
		18°57'.80N., 072°20'.37E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°57'.80N., 072°20'.34E.
		18°57'.87N., 072°20'.19E.
		18°57'.96N., 072°20'.07E.
		18°57'.97N., 072°20'.06E.
		18°58'.19N., 072°19'.90E.
		18°58'.29N., 072°19'.82E.
		18°58'.36N., 072°19'.76E.
		18°58'.37N., 072°19'.74E.
		18°58'.43N., 072°19'.68E.
		18°58'.48N., 072°19'.57E.
		18°58'.50N., 072°19'.44E.
		18°58'.50N., 072°19'.24E.
		18°58'.35N., 072°16'.79E.
		18°58'.33N., 072°16'.46E.
		18°58'.28N., 072°16'.28E.
		18°58'.25N., 072°16'.23E.
		18°58'.23N., 072°16'.20E.
		18°58'.21N., 072°16'.18E.
		18°58'.20N., 072°16'.16E.
		18°58'.18N., 072°16'.14E.
		18°58'.17N., 072°16'.10E.
		18°58'.17N., 072°15'.98E.
		18°58'.17N., 072°15'.97E.
		18°58'.16N., 072°15'.97E.
		18°58'.07N., 072°16'.00E.
		18°58'.02N., 072°16'.01E.
		18°57'.99N., 072°16'.01E.
		18°57'.96N., 072°16'.00E.
		18°57'.95N., 072°16'.00E.
		18°57'.93N., 072°15'.99E.
		18°57'.88N., 072°15'.96E.
		18°57'.84N., 072°15'.96E.
		18°57'.79N., 072°16'.00E.
		18°57'.78N., 072°16'.00E.
		18°57'.77N., 072°15'.99E.
		18°57'.78N., 072°15'.93E.
		18°57'.77N., 072°15'.90E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°57'.72N., 072°15'.87E.
		18°57'.55N., 072°15'.76E.
		18°57'.36N., 072°15'.63E.
		18°57'.35N., 072°15'.62E.
		18°57'.28N., 072°15'.51E.
		18°57'.23N., 072°15'.34E.
		18°56'.98N., 072°12'.80E.
		18°56'.81N., 072°11'.05E.
		18°56'.68N., 072°06'.63E.
		18°56'.55N., 072°04'.15E.
		18°56'.56N., 072°03'.37E.
		18°56'.86N., 072°01'.93E.
		18°56'.87N., 072°01'.73E.
		18°56'.87N., 072°01'.61E.
		18°56'.88N., 072°01'.59E.
		18°56'.88N., 072°01'.58E.
		18°56'.88N., 072°01'.46E.
		18°56'.88N., 072°01'.44E.
		18°56'.88N., 072°01'.43E.
		18°56'.88N., 072°01'.41E.
		18°56'.89N., 072°01'.24E.
		18°56'.90N., 072°00'.94E.
		18°56'.66N., 071°59'.74E.
		18°56'.21N., 071°57'.52E.
		18°56'.17N., 071°57'.13E.
		18°56'.14N., 071°54'.12E.
		18°56'.13N., 071°53'.19E.
		18°56'.14N., 071°53'.15E.
		18°56'.22N., 071°53'.10E.
		18°56'.24N., 071°53'.08E.
		18°56'.22N., 071°53'.06E.
		18°56'.14N., 071°53'.03E.
		18°56'.13N., 071°53'.00E.
		18°56'.13N., 071°52'.99E.
		18°56'.13N., 071°52'.98E.
		18°56'.11N., 071°52'.56E.
		18°56'.06N., 071°52'.31E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		18°56'.02N., 071°52'.13E.
		18°56'.02N., 071°51'.61E.
		18°56'.04N., 071°51'.04E.
		18°56'.02N., 071°50'.48E.
		18°55'.99N., 071°49'.91E.
		18°55'.98N., 071°49'.75E.
		18°55'.93N., 071°49'.11E.
		18°55'.92N., 071°48'.56E.
		18°55'.95N., 071°48'.55E.
		18°56'.02N., 071°48'.52E.
		18°56'.02N., 071°48'.51E.
		18°55'.94N., 071°48'.48E.
		18°55'.92N., 071°48'.47E.
		18°55'.92N., 071°48'.45E.
		18°55'.91N., 071°48'.19E.
		18°55'.79N., 071°47'.68E.
		18°55'.73N., 071°47'.58E.
		18°55'.32N., 071°46'.74E.
		18°55'.27N., 071°46'.65E.
		18°55'.26N., 071°46'.62E.
		18°55'.25N., 071°46'.60E.
		18°55'.18N., 071°46'.46E.
		18°55'.08N., 071°46'.25E.
		18°54'.93N., 071°45'.63E.
		18°54'.92N., 071°45'.16E.
		18°54'.82N., 071°44'.12E.
		18°54'.88N., 071°43'.17E.
		18°54'.89N., 071°43'.05E.
		18°54'.81N., 071°42'.01E.
		18°54'.82N., 071°41'.72E.
		18°54'.70N., 071°39'.45E.
		18°54'.69N., 071°37'.05E.
		18°54'.77N., 071°36'.49E.
		18°54'.78N., 071°36'.22E.
		18°54'.78N., 071°35'.99E.
		18°54'.76N., 071°35'.50E.
		18°54'.76N., 071°35'.49E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°54'.69N., 071°35'.03E.
		18°54'.64N., 071°33'.95E.
		18°54'.59N., 071°33'.39E.
		18°54'.61N., 071°31'.20E.
		18°54'.60N., 071°30'.94E.
		18°54'.46N., 071°29'.97E.
		18°54'.32N., 071°29'.26E.
		18°54'.33N., 071°28'.77E.
		18°54'.13N., 071°25'.61E.
		18°54'.13N., 071°25'.56E.
		18°54'.11N., 071°24'.60E.
		18°53'.95N., 071°21'.35E.
		18°53'.81N., 071°18'.67E.
		18°53'.71N., 071°17'.82E.
		18°53'.68N., 071°17'.04E.
		18°53'.67N., 071°16'.65E.
		18°53'.67N., 071°16'.45E.
		18°53'.67N., 071°16'.04E.
		18°53'.60N., 071°14'.49E.
		18°53'.59N., 071°14'.20E.
		18°53'.55N., 071°13'.93E.
		18°53'.43N., 071°13'.63E.
		18°53'.40N., 071°13'.41E.
		18°53'.38N., 071°12'.82E.
		18°53'.46N., 071°12'.31E.
		18°53'.47N., 071°12'.27E.
		18°53'.43N., 071°11'.52E.
		18°53'.40N., 071°10'.72E.
		18°53'.32N., 071°09'.69E.
		18°53'.20N., 071°07'.01E.
		18°53'.18N., 071°06'.63E.
		18°53'.14N., 071°05'.91E.
		18°53'.09N., 071°05'.25E.
		18°52'.97N., 071°04'.71E.
		18°52'.93N., 071°04'.43E.
		18°52'.91N., 071°04'.05E.
		18°52'.94N., 071°03'.65E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°52'.99N., 071°03'.48E.
		18°53'.02N., 071°03'.18E.
		18°52'.68N., 070°57'.65E.
		18°52'.63N., 070°57'.44E.
		18°52'.61N., 070°57'.18E.
		18°52'.63N., 070°57'.08E.
		18°52'.67N., 070°56'.97E.
		18°52'.68N., 070°56'.86E.
		18°52'.67N., 070°56'.62E.
		18°52'.59N., 070°55'.43E.
		18°52'.51N., 070°54'.40E.
		18°52'.48N., 070°54'.32E.
		18°52'.45N., 070°54'.25E.
		18°52'.42N., 070°54'.18E.
		18°52'.40N., 070°54'.08E.
		18°52'.40N., 070°53'.89E.
		18°52'.39N., 070°53'.62E.
		18°52'.39N., 070°53'.45E.
		18°52'.32N., 070°52'.71E.
		18°52'.09N., 070°51'.97E.
		18°51'.36N., 070°49'.36E.
		18°51'.32N., 070°49'.22E.
		18°50'.50N., 070°46'.68E.
		18°50'.41N., 070°46'.38E.
		18°50'.31N., 070°46'.08E.
		18°50'.23N., 070°45'.83E.
		18°48'.32N., 070°39'.81E.
		18°48'.07N., 070°39'.23E.
		18°47'.82N., 070°38'.28E.
		18°47'.43N., 070°37'.05E.
		18°47'.24N., 070°36'.52E.
		18°46'.74N., 070°35'.11E.
		18°46'.39N., 070°34'.14E.
		18°46'.36N., 070°34'.05E.
		18°46'.17N., 070°33'.22E.
		18°45'.16N., 070°29'.97E.
		18°44'.91N., 070°29'.31E.



***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		18°44'.28N., 070°27'.40E.
		18°43'.91N., 070°26'.26E.
		18°43'.07N., 070°23'.66E.
		18°43'.02N., 070°23'.49E.
		18°42'.98N., 070°23'.37E.
		18°42'.90N., 070°23'.14E.
		18°42'.92N., 070°23'.12E.
		18°42'.99N., 070°23'.07E.
		18°42'.99N., 070°23'.06E.
		18°42'.98N., 070°23'.05E.
		18°42'.90N., 070°23'.06E.
		18°42'.87N., 070°23'.05E.
		18°42'.86N., 070°23'.03E.
		18°42'.78N., 070°22'.81E.
		18°42'.66N., 070°22'.26E.
		18°42'.58N., 070°22'.02E.
		18°42'.17N., 070°20'.74E.
		18°41'.71N., 070°19'.26E.
		18°41'.53N., 070°18'.77E.
		18°41'.47N., 070°18'.58E.
		18°41'.15N., 070°17'.58E.
		18°40'.66N., 070°16'.29E.
		18°40'.31N., 070°15'.08E.
		18°40'.00N., 070°13'.75E.
		18°39'.52N., 070°12'.44E.
		18°38'.99N., 070°10'.84E.
		18°37'.83N., 070°08'.56E.
		18°36'.62N., 070°06'.20E.
		18°36'.28N., 070°04'.16E.
		18°36'.24N., 070°02'.03E.
		18°36'.19N., 070°00'.26E.
		18°36'.17N., 069°58'.90E.
		18°36'.09N., 069°58'.20E.
		18°36'.08N., 069°58'.14E.
		18°35'.86N., 069°57'.20E.
		18°34'.40N., 069°52'.14E.
		18°34'.23N., 069°51'.32E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°34'.14N., 069°50'.53E.
		18°34'.13N., 069°49'.75E.
		18°34'.21N., 069°49'.12E.
		18°34'.36N., 069°48'.60E.
		18°34'.40N., 069°48'.49E.
		18°34'.66N., 069°48'.00E.
		18°35'.16N., 069°47'.30E.
		18°36'.12N., 069°46'.12E.
		18°38'.21N., 069°43'.53E.
		18°38'.23N., 069°43'.50E.
		18°38'.58N., 069°42'.94E.
		18°38'.67N., 069°42'.76E.
		18°38'.96N., 069°42'.05E.
		18°39'.27N., 069°40'.97E.
		18°39'.57N., 069°39'.65E.
		18°39'.70N., 069°39'.03E.
		18°40'.14N., 069°36'.47E.
		18°42'.35N., 069°22'.28E.
		18°43'.51N., 069°14'.91E.
		18°43'.64N., 069°14'.21E.
		18°43'.86N., 069°13'.02E.
		18°47'.39N., 068°55'.38E.
		18°49'.18N., 068°46'.50E.
		18°54'.12N., 068°21'.92E.
		18°54'.52N., 068°19'.94E.
		18°59'.81N., 067°53'.61E.
		19°04'.91N., 067°27'.94E.
		19°05'.02N., 067°27'.28E.
		19°05'.16N., 067°26'.36E.
		19°05'.44N., 067°24'.06E.
		19°05'.79N., 067°20'.31E.
		19°05'.95N., 067°18'.23E.
		19°06'.09N., 067°17'.37E.
		19°06'.25N., 067°16'.75E.
		19°06'.60N., 067°15'.71E.
		19°07'.44N., 067°13'.75E.
		19°07'.85N., 067°12'.78E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	19°08'.78N., 067°10'.75E.
		19°09'.09N., 067°09'.87E.
		19°09'.16N., 067°09'.63E.
		19°09'.52N., 067°08'.25E.
		19°11'.01N., 067°01'.05E.
		19°11'.66N., 066°58'.09E.
		19°11'.71N., 066°57'.90E.
		19°12'.83N., 066°53'.50E.
		19°17'.19N., 066°37'.06E.
		19°17'.75N., 066°35'.07E.
		19°17'.79N., 066°34'.91E.
		19°18'.00N., 066°33'.79E.
		19°18'.04N., 066°33'.46E.
		19°18'.13N., 066°32'.13E.
		19°18'.41N., 066°20'.37E.
		19°18'.65N., 066°10'.00E.
Chart 293 (INT 7022) [previous update 031/24]		
Insert	submarine cable,  , joining	19°00'.00N., 072°40'.41E.
		18°59'.92N., 072°40'.38E.
		18°59'.63N., 072°40'.25E.
		18°59'.54N., 072°40'.21E.
		18°59'.44N., 072°40'.13E.
		18°59'.38N., 072°40'.06E.
		18°59'.27N., 072°39'.83E.
		18°59'.22N., 072°39'.62E.
		18°59'.12N., 072°39'.22E.
		18°59'.03N., 072°38'.61E.
		18°58'.98N., 072°38'.28E.
		18°58'.98N., 072°38'.22E.
		18°58'.92N., 072°37'.80E.
		18°58'.69N., 072°36'.86E.
		18°58'.66N., 072°36'.74E.
		18°58'.49N., 072°35'.80E.
		18°58'.38N., 072°35'.18E.
		18°58'.38N., 072°35'.01E.
		18°58'.41N., 072°34'.87E.
		18°58'.57N., 072°34'.54E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		18°58'.63N., 072°34'.41E.
		18°58'.90N., 072°33'.84E.
		18°59'.04N., 072°33'.55E.
		18°59'.10N., 072°33'.33E.
		18°59'.12N., 072°33'.24E.
		18°59'.13N., 072°33'.18E.
		18°59'.16N., 072°33'.08E.
		18°59'.16N., 072°32'.60E.
		18°59'.12N., 072°32'.23E.
		18°59'.11N., 072°32'.13E.
		18°59'.02N., 072°31'.38E.
		18°58'.93N., 072°30'.65E.
		18°58'.86N., 072°30'.44E.
		18°58'.74N., 072°30'.26E.
		18°58'.69N., 072°30'.18E.
		18°58'.68N., 072°30'.16E.
		18°58'.65N., 072°30'.11E.
		18°58'.63N., 072°30'.09E.
		18°58'.56N., 072°29'.98E.
		18°58'.51N., 072°29'.90E.
		18°58'.27N., 072°29'.52E.
		18°58'.09N., 072°29'.00E.
		18°58'.00N., 072°27'.90E.
		18°57'.95N., 072°27'.30E.
		18°58'.10N., 072°25'.93E.
		18°58'.38N., 072°24'.93E.
		18°58'.56N., 072°24'.27E.
		18°58'.57N., 072°24'.12E.
		18°58'.54N., 072°23'.93E.
		18°58'.53N., 072°23'.91E.
		18°58'.49N., 072°23'.80E.
		18°58'.48N., 072°23'.77E.
		18°58'.47N., 072°23'.74E.
		18°58'.46N., 072°23'.72E.
		18°58'.41N., 072°23'.60E.
		18°58'.29N., 072°23'.33E.
		18°58'.20N., 072°22'.78E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°57'.97N., 072°21'.74E.
		18°57'.81N., 072°20'.96E.
		18°57'.78N., 072°20'.51E.
		18°57'.80N., 072°20'.37E.
		18°57'.80N., 072°20'.34E.
		18°57'.87N., 072°20'.19E.
		18°57'.96N., 072°20'.07E.
		18°57'.97N., 072°20'.06E.
		18°58'.19N., 072°19'.90E.
		18°58'.29N., 072°19'.82E.
		18°58'.36N., 072°19'.76E.
		18°58'.37N., 072°19'.74E.
		18°58'.43N., 072°19'.68E.
		18°58'.48N., 072°19'.57E.
		18°58'.50N., 072°19'.44E.
		18°58'.50N., 072°19'.24E.
		18°58'.35N., 072°16'.79E.
		18°58'.33N., 072°16'.46E.
		18°58'.28N., 072°16'.28E.
		18°58'.25N., 072°16'.23E.
		18°58'.23N., 072°16'.20E.
		18°58'.21N., 072°16'.18E.
		18°58'.20N., 072°16'.16E.
		18°58'.18N., 072°16'.14E.
		18°58'.17N., 072°16'.10E.
		18°58'.17N., 072°15'.98E.
		18°58'.17N., 072°15'.97E.
		18°58'.16N., 072°15'.97E.
		18°58'.07N., 072°16'.00E.
		18°58'.02N., 072°16'.01E.
		18°57'.99N., 072°16'.01E.
		18°57'.96N., 072°16'.00E.
		18°57'.95N., 072°16'.00E.
		18°57'.93N., 072°15'.99E.
		18°57'.88N., 072°15'.96E.
		18°57'.84N., 072°15'.96E.
		18°57'.79N., 072°16'.00E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°57'.78N., 072°16'.00E.
		18°57'.77N., 072°15'.99E.
		18°57'.78N., 072°15'.93E.
		18°57'.77N., 072°15'.90E.
		18°57'.72N., 072°15'.87E.
		18°57'.55N., 072°15'.76E.
		18°57'.36N., 072°15'.63E.
		18°57'.35N., 072°15'.62E.
		18°57'.28N., 072°15'.51E.
		18°57'.23N., 072°15'.34E.
		18°56'.98N., 072°12'.80E.
		18°56'.81N., 072°11'.05E.
		18°56'.68N., 072°06'.63E.
		18°56'.55N., 072°04'.15E.
		18°56'.56N., 072°03'.37E.
		18°56'.86N., 072°01'.93E.
		18°56'.87N., 072°01'.73E.
		18°56'.87N., 072°01'.61E.
		18°56'.88N., 072°01'.59E.
		18°56'.88N., 072°01'.58E.
		18°56'.88N., 072°01'.46E.
		18°56'.88N., 072°01'.44E.
		18°56'.88N., 072°01'.43E.
		18°56'.88N., 072°01'.41E.
		18°56'.89N., 072°01'.24E.
		18°56'.90N., 072°00'.94E.
		18°56'.66N., 071°59'.74E.
		18°56'.21N., 071°57'.52E.
		18°56'.17N., 071°57'.13E.
		18°56'.14N., 071°54'.12E.
		18°56'.13N., 071°53'.19E.
		18°56'.14N., 071°53'.15E.
		18°56'.22N., 071°53'.10E.
		18°56'.24N., 071°53'.08E.
		18°56'.22N., 071°53'.06E.
		18°56'.14N., 071°53'.03E.
		18°56'.13N., 071°53'.00E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°56'.13N., 071°52'.99E.
		18°56'.13N., 071°52'.98E.
		18°56'.11N., 071°52'.56E.
		18°56'.06N., 071°52'.31E.
		18°56'.02N., 071°52'.13E.
		18°56'.02N., 071°51'.61E.
		18°56'.04N., 071°51'.04E.
		18°56'.02N., 071°50'.48E.
		18°55'.99N., 071°49'.91E.
		18°55'.98N., 071°49'.75E.
		18°55'.93N., 071°49'.11E.
		18°55'.92N., 071°48'.56E.
		18°55'.95N., 071°48'.55E.
		18°56'.02N., 071°48'.52E.
		18°56'.02N., 071°48'.51E.
		18°55'.94N., 071°48'.48E.
		18°55'.92N., 071°48'.47E.
		18°55'.92N., 071°48'.45E.
		18°55'.91N., 071°48'.19E.
		18°55'.79N., 071°47'.68E.
		18°55'.73N., 071°47'.58E.
		18°55'.32N., 071°46'.74E.
		18°55'.27N., 071°46'.65E.
		18°55'.26N., 071°46'.62E.
		18°55'.25N., 071°46'.60E.
		18°55'.18N., 071°46'.46E.
		18°55'.08N., 071°46'.25E.
		18°54'.93N., 071°45'.63E.
		18°54'.92N., 071°45'.16E.
		18°54'.82N., 071°44'.12E.
		18°54'.88N., 071°43'.17E.
		18°54'.89N., 071°43'.05E.
		18°54'.81N., 071°42'.01E.
		18°54'.82N., 071°41'.72E.
		18°54'.70N., 071°39'.45E.
		18°54'.69N., 071°37'.05E.
		18°54'.77N., 071°36'.49E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°54'.78N., 071°36'.22E.
		18°54'.78N., 071°35'.99E.
		18°54'.76N., 071°35'.50E.
		18°54'.76N., 071°35'.49E.
		18°54'.69N., 071°35'.03E.
		18°54'.64N., 071°33'.95E.
		18°54'.59N., 071°33'.39E.
		18°54'.61N., 071°31'.20E.
		18°54'.60N., 071°30'.94E.
		18°54'.46N., 071°29'.97E.
		18°54'.32N., 071°29'.26E.
		18°54'.33N., 071°28'.77E.
		18°54'.13N., 071°25'.61E.
		18°54'.13N., 071°25'.56E.
		18°54'.11N., 071°24'.60E.
		18°53'.95N., 071°21'.35E.
		18°53'.81N., 071°18'.67E.
		18°53'.71N., 071°17'.82E.
		18°53'.68N., 071°17'.04E.
		18°53'.67N., 071°16'.65E.
		18°53'.67N., 071°16'.45E.
		18°53'.67N., 071°16'.04E.
		18°53'.60N., 071°14'.49E.
		18°53'.59N., 071°14'.20E.
		18°53'.55N., 071°13'.93E.
		18°53'.43N., 071°13'.63E.
		18°53'.40N., 071°13'.41E.
		18°53'.38N., 071°12'.82E.
		18°53'.46N., 071°12'.31E.
		18°53'.47N., 071°12'.27E.
		18°53'.43N., 071°11'.52E.
		18°53'.40N., 071°10'.72E.
		18°53'.32N., 071°09'.69E.
		18°53'.20N., 071°07'.01E.
		18°53'.18N., 071°06'.63E.
		18°53'.14N., 071°05'.91E.
		18°53'.09N., 071°05'.25E.



***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	
		18°52'.97N., 071°04'.71E.
		18°52'.93N., 071°04'.43E.
		18°52'.91N., 071°04'.05E.
		18°52'.94N., 071°03'.65E.
		18°52'.99N., 071°03'.48E.
		18°53'.02N., 071°03'.18E.
		18°52'.68N., 070°57'.65E.
		18°52'.63N., 070°57'.44E.
		18°52'.61N., 070°57'.18E.
		18°52'.63N., 070°57'.08E.
		18°52'.67N., 070°56'.97E.
		18°52'.68N., 070°56'.86E.
		18°52'.67N., 070°56'.62E.
		18°52'.59N., 070°55'.43E.
		18°52'.51N., 070°54'.40E.
		18°52'.48N., 070°54'.32E.
		18°52'.45N., 070°54'.25E.
		18°52'.42N., 070°54'.18E.
		18°52'.40N., 070°54'.08E.
		18°52'.40N., 070°53'.89E.
		18°52'.39N., 070°53'.62E.
		18°52'.39N., 070°53'.45E.
		18°52'.32N., 070°52'.71E.
		18°52'.09N., 070°51'.97E.
		18°51'.36N., 070°49'.36E.
		18°51'.32N., 070°49'.22E.
		18°50'.50N., 070°46'.68E.
		18°50'.41N., 070°46'.38E.
		18°50'.31N., 070°46'.08E.
		18°50'.23N., 070°45'.83E.
		18°48'.32N., 070°39'.81E.
		18°48'.07N., 070°39'.23E.
		18°47'.82N., 070°38'.28E.
		18°47'.43N., 070°37'.05E.
		18°47'.24N., 070°36'.52E.
		18°46'.74N., 070°35'.11E.
		18°46'.39N., 070°34'.14E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°46'.36N., 070°34'.05E.
		18°46'.17N., 070°33'.22E.
		18°45'.16N., 070°29'.97E.
		18°44'.91N., 070°29'.31E.
		18°44'.28N., 070°27'.40E.
		18°43'.91N., 070°26'.26E.
		18°43'.07N., 070°23'.66E.
		18°43'.02N., 070°23'.49E.
		18°42'.98N., 070°23'.37E.
		18°42'.90N., 070°23'.14E.
		18°42'.92N., 070°23'.12E.
		18°42'.99N., 070°23'.07E.
		18°42'.99N., 070°23'.06E.
		18°42'.98N., 070°23'.05E.
		18°42'.90N., 070°23'.06E.
		18°42'.87N., 070°23'.05E.
		18°42'.86N., 070°23'.03E.
		18°42'.78N., 070°22'.81E.
		18°42'.66N., 070°22'.26E.
		18°42'.58N., 070°22'.02E.
		18°42'.17N., 070°20'.74E.
		18°41'.71N., 070°19'.26E.
		18°41'.53N., 070°18'.77E.
		18°41'.47N., 070°18'.58E.
		18°41'.15N., 070°17'.58E.
		18°40'.66N., 070°16'.29E.
		18°40'.31N., 070°15'.08E.
		18°40'.00N., 070°13'.75E.
		18°39'.52N., 070°12'.44E.
		18°38'.99N., 070°10'.84E.
		18°37'.83N., 070°08'.56E.
		18°36'.62N., 070°06'.20E.
		18°36'.28N., 070°04'.16E.
		18°36'.24N., 070°02'.03E.
		18°36'.19N., 070°00'.26E.
		18°36'.17N., 069°58'.90E.
		18°36'.09N., 069°58'.20E.


***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

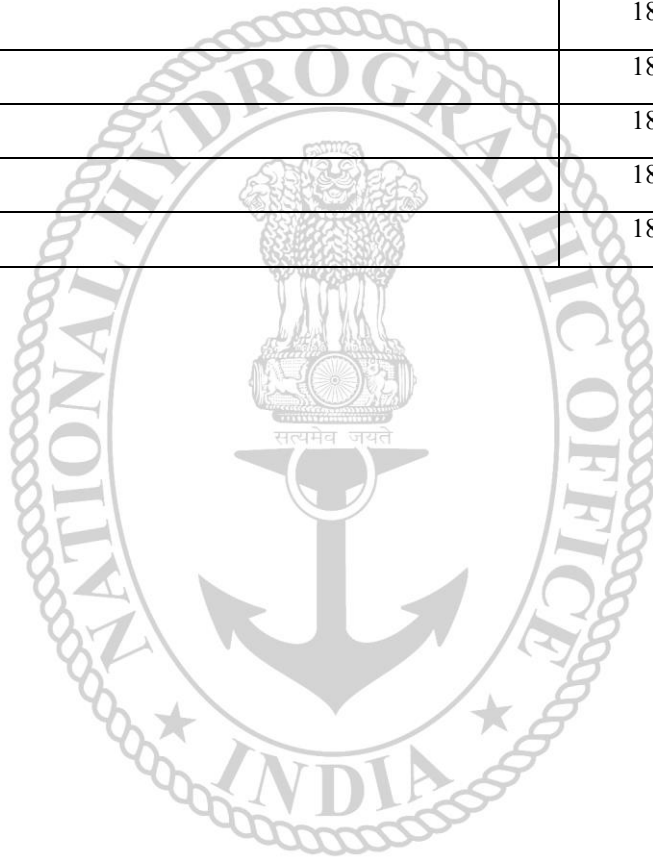
Insert	submarine cable,  , joining	18°36'.08N., 069°58'.14E.
		18°35'.86N., 069°57'.20E.
		18°34'.40N., 069°52'.14E.
		18°34'.23N., 069°51'.32E.
		18°34'.14N., 069°50'.53E.
		18°34'.13N., 069°49'.75E.
		18°34'.21N., 069°49'.12E.
		18°34'.36N., 069°48'.60E.
		18°34'.40N., 069°48'.49E.
		18°34'.66N., 069°48'.00E.
		18°35'.16N., 069°47'.30E.
		18°36'.12N., 069°46'.12E.
		18°38'.21N., 069°43'.53E.
		18°38'.23N., 069°43'.50E.
		18°38'.58N., 069°42'.94E.
		18°38'.67N., 069°42'.76E.
		18°38'.96N., 069°42'.05E.
		18°39'.27N., 069°40'.97E.
		18°39'.57N., 069°39'.65E.
		18°39'.70N., 069°39'.03E.
		18°40'.14N., 069°36'.47E.
		18°42'.35N., 069°22'.28E.
		18°43'.51N., 069°14'.91E.
		18°43'.64N., 069°14'.21E.
		18°43'.86N., 069°13'.02E.
		18°47'.39N., 068°55'.38E.
		18°49'.18N., 068°46'.50E.
		18°54'.12N., 068°21'.92E.
		18°54'.52N., 068°19'.94E.
		18°59'.81N., 067°53'.61E.
		19°00'.00N., 067°52'.65E.
Chart 2016 (INT 7336) [previous update 031/24]		
Insert	submarine cable,  , joining	19°02'.70N., 072°41'.94E.
		19°02'.69N., 072°41'.92E.
		19°02'.54N., 072°41'.65E.
		19°02'.38N., 072°41'.48E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	19°02'.17N., 072°41'.35E.
		19°01'.93N., 072°41'.25E.
		19°01'.41N., 072°41'.02E.
		19°01'.32N., 072°40'.98E.
		19°01'.12N., 072°40'.90E.
		19°00'.85N., 072°40'.78E.
		19°00'.45N., 072°40'.61E.
		19°00'.06N., 072°40'.44E.
		18°59'.92N., 072°40'.38E.
		18°59'.63N., 072°40'.25E.
		18°59'.54N., 072°40'.21E.
		18°59'.44N., 072°40'.13E.
		18°59'.38N., 072°40'.06E.
		18°59'.27N., 072°39'.83E.
		18°59'.22N., 072°39'.62E.
		18°59'.12N., 072°39'.22E.
		18°59'.03N., 072°38'.61E.
		18°58'.98N., 072°38'.28E.
		18°58'.98N., 072°38'.22E.
		18°58'.92N., 072°37'.80E.
		18°58'.69N., 072°36'.86E.
		18°58'.66N., 072°36'.74E.
		18°58'.49N., 072°35'.80E.
		18°58'.38N., 072°35'.18E.
		18°58'.38N., 072°35'.01E.
		18°58'.41N., 072°34'.87E.
		18°58'.57N., 072°34'.54E.
		18°58'.63N., 072°34'.41E.
		18°58'.90N., 072°33'.84E.
		18°59'.04N., 072°33'.55E.
		18°59'.10N., 072°33'.33E.
		18°59'.12N., 072°33'.24E.
		18°59'.13N., 072°33'.18E.
		18°59'.16N., 072°33'.08E.
		18°59'.16N., 072°32'.60E.
		18°59'.12N., 072°32'.23E.
		18°59'.11N., 072°32'.13E.

***078 (11/24) INDIA – WEST COAST – Inner Approaches to Mumbai – Submarine Cable. (Continued).**

Insert	submarine cable,  , joining	18°59'.02N., 072°31'.38E.
		18°58'.93N., 072°30'.65E.
		18°58'.86N., 072°30'.44E.
		18°58'.74N., 072°30'.26E.
		18°58'.69N., 072°30'.18E.
		18°58'.68N., 072°30'.16E.
		18°58'.65N., 072°30'.11E.
		18°58'.63N., 072°30'.09E.
		18°58'.56N., 072°29'.98E.
		18°58'.51N., 072°29'.90E.
		18°58'.27N., 072°29'.52E.
		18°58'.09N., 072°29'.00E.
		18°58'.00N., 072°27'.90E.
		18°57'.95N., 072°27'.30E.
		18°58'.04N., 072°26'.50E.



Section – III**TEMPORARY AND PRELIMINARY NOTICES**

1. It is brought to the information to the users that same or all information contained in this Temporary Notices to mariner may have been included in the relevant ENC's.
2. New TPNMs are now part of ENC updates from 01 Oct 22 onwards.
3. All in force Temporary and Preliminary Notices are available for visualisation along with details of affected Charts and ENCs for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.

*079 (T) (11/24)	INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Port Information.
Source: Department of Ports & Inland Transport – Karnataka Government.	
1. The Old Mangalore Port will be officially closed for monsoon/ foul weather with effect from 16 May 2024 to 15 Sep 2024 . The spherical buoy which is laid for channel marking at entrance of the channel is withdrawn.	
2. All Mariners, Tindels, Owners and Operators of all Vessels are hereby cautioned to note the above warning. The vessel entering/ leaving the Old Mangalore Port after the above date are doing so at their own risk.	
3. Mariners are advised to contact local port authorities for more information.	
4. Charts Affected – 293 (INT 7022) – 272 – 258 (INT 7348) – 217 – 2359 (INT 7350) – 2002 (INT 7351).	



SECTION – IV

MARINE INFORMATION

1. NAVTEX TRANSMISSION

Status of MSI Promulgation by NAVTEX Stations is as follows:-

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Myanmar (Yangon, Myeik, Kyau Phyu)	- Operational

Following new NAVTEX stations along the Indian coast have commenced operations:-

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	BI	Broad Cast Timings in UTC					
			0110	0510	0910	1310	1710	2110
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengurla Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crews using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - mrcc-west@indiancoastguard.nic.in. Any suspicious activity of skiffs/ boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

3. DISPLAY ANOMALIES IN ECDIS

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website www.iho.int, to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode. Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

4. **SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates are published in the fortnightly Indian Notices to Mariners.

- (a) **Safety Fairways:** An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.
- (b) **Traffic Separation Schemes (TSS):** The TSS is mandatory for all Indian and foreign flag ships and vessels entering and leaving.

5. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127& 128 respectively. All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN- 127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

6. **Usage of Thuraya, Iridium and other such Satellite Communication in Indian Waters-Reg.**

- (a) The Directorate General of Shipping through DGS Order No. 02 of 2012 dated 17.05.2012 had banned the usage of Thuraya, Iridium and other such satellite in the Indian Waters.
- (b) Thuraya Satellite Equipment is not an integral part of Maritime Radio communication system under Global Maritime Distress and Safety Systems (GMDSS) and its usage is continued to be banned in Indian Waters.
- (c) Whereas, Regulation 4.1- GMDSS Satellite Providers, which emphasizes that, the Maritime Safety Committee shall determine the criteria, procedures and arrangements for the evaluation, recognition, review and oversight of the provision of recognized mobile satellite services in the GMDSS pursuant to the provisions of SOLAS Chapter-IV.
- (d) Whereas, Maritime Safety Committee vide Resolution MSC 451(99) dated 24 May 2018 had recognized Iridium Satellite LLC to provide Safety Voice, Short-Burst data and enhanced group calling services for use in the Global Maritime Distress and Safety System (GMDSS). The Iridium Satellite service is fully operational since December 2020 and being part of SOLAS Chapter - IV as one of the recognized mobile satellite service.
- (e) Under GMDSS, the usage of Iridium Mobile Satellite communication equipment in the Indian Waters are considered subject to the conditions as outlined under;
- (i) Merchant ships may install and keep the Iridium equipment active in Indian Territorial waters, provided the equipment is registered and certified as per the prevailing rules of the Flag of the ship and is used only onboard ship and the portable Iridium sets may not be carried onto Indian Land Territory.
- (ii) Iridium Satellite equipment shall be used in GMDSS exclusively for Maritime Radio communications relating to Distress and Safety, Search and Rescue and for receiving Maritime Safety Information (MSI) from ship's fixed installations only.
- (iii) The ships transiting or visiting in Indian waters shall continue to declare IMEI number of the equipment in the Pre-Arrival Notification on Security (PANS).

- (f) The ship-owners, ship-masters and ship-agents shall mandatorily require to declare details of such satellite phones prior arrival into Indian Waters through the Pre-Arrival Notification on Security (PANS) systems.
- (g) The unauthorized usage of Thuraya, Iridium and other such Satellite equipment shall be prosecuted under Section-6 of Indian Wireless Act and Section-20 of Indian Telegraph Act.
- (h) The ship-Owners, Ship-Masters, Ship-Operators, Ship-Agents and other stake holders are intimated for strict compliance of this DGS Order.
- (j) This Directorate General of Shipping order No. 09 of 2023 supersedes previous DGS order No. 02 of 2012 dated 17.05.2012 and is entry into force with immediate effect.

7. **CAUTIONARY NOTE**

There is a finite amount of lag between publication of large and small scale Indian Nautical Charts. To avoid uncertainty the mariners are advised to use large scale charts for coastal navigation wherever applicable and available. In addition, mariners are to refer large scale charts in conjunction with small scale charts in areas where both overlap during both planning and conduct of passage.

8. **ADVISORY FOR ALL VESSELS NAVIGATING INDIAN WATERS**

- (a) All vessels navigating in Indian waters are cautioned to keep a sharp look-out for fishing vessels and small crafts, as there have been several incidents of collisions with such vessels in the past resulting in loss of innocent lives as well as damage to property.
- (b) It is further cautioned that all vessels need to exercise extreme care while navigating during hours of darkness as such vessels are generally of primitive built (wood/fibre/etc) due to which it may not be detected on ship's radar, especially during adverse weather conditions. Also, such vessels may not be properly lit, or sometimes, only one vessel may be lit among multiple vessels in a cluster.
- (c) The general areas of concern on the west coast of India are the areas of convergence and divergence of traffic, mainly between Mangalore to Kanyakumari (Cape Comorin). Further, in these areas, additional caution needs to be exercised and wide berth be given to all such vessels.
- (d) All fishing vessels are also cautioned to avoid fishing in areas having high density traffic. All fishing vessels are also required to always maintain proper lookout by sight, hearing and by all available means and comply with all applicable provisions of Collision Regulations.

List of Indian Chart Agents

<p>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Instruments PO Bag No – 645, 45/271, Shanghar Building, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682003 Tel: +91 4842667157 Mob: +91 9447068469 Email: atmain@gmail.com Web: WWW.atmain.in</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in, sales@ccmarine.in</p>	<p>M/s Global Marine Infratech Pvt. Ltd. SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: tusarkantha@gmiindia.in Web: www.gmiindia.in</p>
<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in</p>	<p>L. R. Marine Services 301, 3rd Floor, Biryra House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s Lift o Marine Allen’s Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftomarine.org, liftomarine77@gmail.com Web: www.liftomarine.org</p>	<p>IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani’sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com</p>	<p>M/s CNC Office No. S-12-92, Haware’s Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: sales@emariner.net</p>

SECTION – V**NAVAREA – VIII WARNINGS IN FORCE.**

1. All in force NAVAREA and NAVTEX messages are available for visualisation along with details of affected Charts and ENC's for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
3. NAVAREA VIII Warnings in force as on 01 Jun 24: -

2022 SERIES - 134 237 519
2023 SERIES - 116 161 178 386 455 456 484 574 604 655 675 703 733 741 748 750 929 1046 1057
2024 SERIES - 180 188 215 288 291 317 397 422 444 446 455 460 461 465 474 475 476 479 481 486 499 501 504 505 506 511 518 519 528 534 535 539 550 551 553 554 555 556 558 559 560 561 562 564 565 566 567 568 569 570

4. NAVAREA VIII Warnings issued during the period from 16 May 24 to 31 May 24 (both dates inclusive) are as tabulated below: –

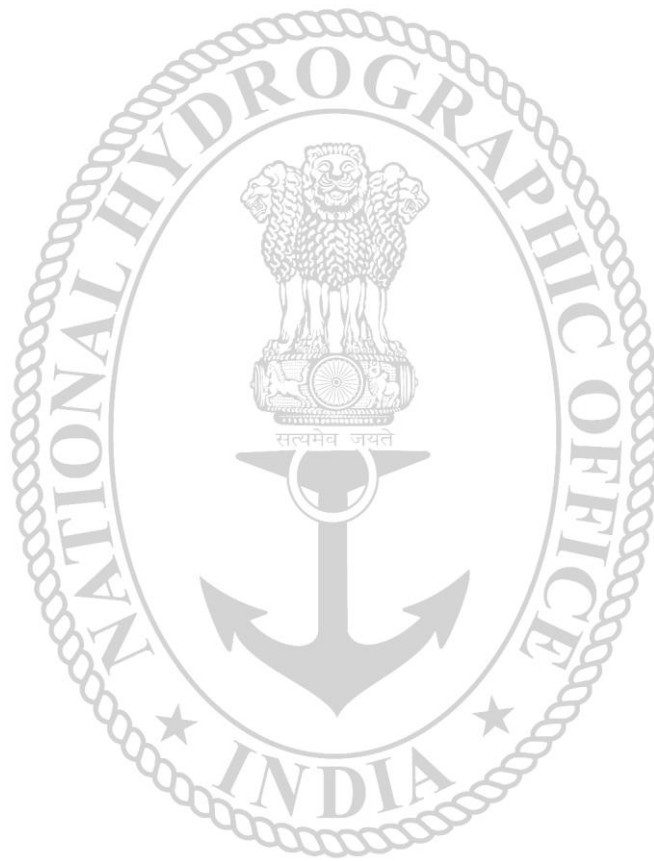
<p>516. India East Coast - off Sagar I. Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled 20 and 27 May 24 from 0430 to 1030 UTC in danger area bounded within 20-37N to 20-52N and 088-30E TO 089-00E. Wide berth from area advised.</p> <p>2. Cancel this MSG 271130 UTC May 24.</p>
<p>517. Andaman Sea - off Nicobar I. Charts IN 41 472 BA 830 INT 757. Firing scheduled from 220330 to 220530 UTC May 24 in danger area bounded by 07-33N 094-58E, 09-14N 094-58E, 09-14N 094-08E, 07-34N 094-08E. Wide berth from area advised.</p> <p>2. Cancel this MSG 220630 UTC May 24.</p>
<p>518. India East Coast - off Kakinada. Charts IN 31 355 391 INT 7405. SW BLY and SW Tasman will carry out seismic survey from 17 May to 15 Aug 24 in area bounded by 16-30.4N 082-41.3E, 16-05.9N 082-41.9E, 16-06.3N 082-04.7E, 16-17.3N 082-04.5E, 16-26.5N 082-15.8E, 16-30.6N 082-21.2E. Wide berth requested.</p> <p>2. Cancel this MSG 151830 UTC Aug 24.</p>
<p>519. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. GS Rashi will carry out pipeline survey from 19 May to 18 Jun 24 in vicinity of 19-34.29N 071-21.72E, 19-14.49N 071-26.15E, 20-20.20N 072-01.16E, 18-34.98N 072-14.41E, 18-29.41N 072-14.73E, 18-45.69N 072-19.19E, 19-14.75N 072-06.45E, 19-05.34N 072-06.88E. Wide berth requested.</p> <p>2. Cancel this MSG 181830 UTC Jun 24.</p>
<p>520. India East Coast - Tuticorin. Charts IN 32 224 262 2075 INT 7366. Pandiyan TIVU DGPS (08-47.14N 078-11.83E) transmission will be switched off from 200130 to 201200 UTC May 24 for maintenance.</p> <p>2. Cancel this MSG 201200 UTC May 24.</p>
<p>521. Cancel NAVAREA VIII MSG 343/24, 375/24, 398/24, 413/24, 430/24, 441/24 and this MSG. INTM 073(T), 10/24 refers.</p>
<p>522. India West Coast - off Mormugao. Charts IN 22 293 7705 INT 752. Firing scheduled from 200230 to 241430 UTC May 24 in danger areas bounded by (a) 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-37N 073-00E, 14-31N 071-24E (b) 17-23N 070-35E, 16-58N 071-25E, 16-24N 072-09E, 14-31N 071-24E, 16-15N 068-37E. Wide berth from area advised.</p> <p>2. Cancel this MSG 241530 UTC May 24.</p>
<p>523. Bay of Bengal - off Balasore. Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 27 to 31 May 24 in danger areas bounded by (a) 18-46.87N 088-30.05E, 19-26.6N 089-15.76E, 21-37.52N 087-32.58E and along the coast upto 21-11.23N 086-49.48E from 0430 to 0630 UTC (b) 20-46.7N 086-59.98E, 19-55.5N 087-19.63E, 20-06.33N 087-39.5E, 20-47.8N 087-01.98E from 0830 to 1100 UTC. Wide berth from area advised.</p> <p>2. Cancel NAVAREA VIII MSG 515/24 and this MSG 311200 UTC May 24.</p>
<p>524. India West Coast - Okha. Charts IN 21 203 292 INT 7021. Firing scheduled from 240530 to 240730 UTC May 24 in danger area bounded by 22-39.40N 069-09.32E, 22-28.45N 069-17.00E, 22-28.45N 068-51.05E, 22-35.39N 068-53.25E. Wide berth from area advised.</p> <p>2. Cancel this MSG 240830 UTC May 24.</p>

<p>525. Bay of Bengal - off Trincomalee. Charts IN 32 33 7706 INT 754. Partially submerged fishing trawler reported adrift in approximate position 08-09N 082-14E at 162130 UTC May 24. 2. Cancel this MSG 192130 UTC May 24.</p>
<p>526. Cancel NAVAREA VIII MSG 175/24 and this MSG.</p>
<p>527. NAVAREA VIII - Warnings in force as on 17 May 2024 2022 Series - 134 237 519 2023 Series - 116 161 178 386 455 456 484 574 604 655 675 703 733 741 748 750 929 1046 1057 2024 Series - 180 188 215 253 288 291 317 396 397 420 422 429 436 437 439 444 446 455 460 461 465 468 474 475 476 479 481 486 487 489 490 495 496 497 498 499 500 501 503 504 505 506 507 508 509 510 511 514 516 517 518 519 520 522 523 524 525 526 (a) NAVAREA VIII Warnings less than 42 days promulgated via safetynet. (b) Text of NAVAREA VIII Warning inforce including those which no longer broadcast available in www.hydrobharat.gov.in 2. Cancel this MSG 241000 UTC May 24.</p>
<p>528. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. Wilchief-1, Freight 54, Sea Conquest, Sea Venture progressing offshore support activities in areas bounded by (a) 19-41.98N 071-07.09E, 19-41.62N 071-34.48E, 19-26.20N 071-34.24E, 19-26.56N 071-06.89E (b) 19-11.14N 071-06.69E, 19-10.79N 071-33.99E, 19-26.20N 071-34.24E, 19-26.56N 071-06.89E (c) 18-49.20N 072-09.49E, 18-48.80N 072-28.68E, 18-14.84N 072-27.98E, 18-15.17N 072-08.86E. Wide berth requested. 2. Cancel this MSG 301830 UTC Jun 24.</p>
<p>529. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. CS Maram progressing cable repairs in vicinity of 18-48.70N 072-09.63E, 18-43.43N 072-09.07E. Wide berth requested. 2. Cancel this MSG 151830 UTC Jun 24.</p>
<p>530. India East Coast - Tuticorin Harbour. Charts IN 32 224 262 2075 INT 7366. Hydrographic survey progressing in area bounded within 08-39.80N to 08-52.70N and 078-07E to 078-28.20E. Wide berth of 02 Nm requested. 2. Cancel this MSG 261830 UTC May 24.</p>
<p>531. India West Coast - off Netrani I. Charts IN 22 216 257 2356 INT 7343. Firing scheduled from 230230 to 250830 UTC May 24 in danger area bounded within 13-56.20N to 14-07.20N and 074-13.60E to 074-25.07E. Wide berth from area advised. 2. Cancel this MSG 250930 UTC May 24.</p>
<p>532. Lakshadweep Sea - off Kavaratti I. Charts IN 268 273 2023 INT 7353. Firing scheduled from 240130 to 240730 UTC May 24 in danger area bounded by 10-33.32N 072-38.05E, 10-32.54N 072-38.72E, 10-31.92N 072-37.90E, 10-32.60N 072-37.25E. Wide berth from area advised. 2. Cancel this MSG 240830 UTC May 24.</p>
<p>533. India East Coast - off Gopalpur. Charts IN 31 305 353 INT 7413. Army air defence firing scheduled 25 to 28 May 24 from 0130 to 0830 UTC and 0930 to 1430 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 Nm radius joining point B and C. Wide berth from area advised. 2. Cancel this MSG 281530 UTC May 24.</p>
<p>534. India West Coast - off Mumbai. Charts IN 21 255 292 293 INT 7021. Samudra Sarvekshak will carry out survey from 24 May to 23 Jun 24 in vicinity of 20-27.18N 071-53.76E, 20-23.69N 071-52.78E, 19-04.19N 071-06.11E, 19-07.27N 071-08.54E, 18-36.93N 071-01.48E, 18-38.84N 070-59.50E, 18-40.37N 070-57.90E, 17-27.60N 072-26.67E, 19-24.31N 070-18.51E, 17-33.72N 072-22.86E, 17-28.84N 072-24.64E, 18-42.84N 072-18.86E, 21-03.51N 072-24.44E. Wide berth requested. 2. Cancel this MSG 231830 UTC Jun 24.</p>
<p>535. India West Coast. Charts IN 21 209 254 INT 7331. Rig move. Sagar Ratna (20-10.85N 072-18.85E). Refer to 073(T) of INTM 10/24. Wide berth requested.</p>
<p>536. Cancel NAVAREA VIII MSG 509/24, 510/24 and this MSG.</p>
<p>537. India East Coast - Chennai. Charts IN 33 313 356 3001 INT 7400. Firing scheduled from 280830 to 280930 UTC May 24 in danger sector extending upto 11 Nm between bearing 045 and 075 from 13-07.02N 080-18.01E. Wide berth from area advised. 2. Cancel this MSG 281030 UTC May 24.</p>
<p>538. India East Coast - Sriharikota. Charts IN 32 313 356 INT 7400. Rocket launch from 13-38.3N 080-14.2E scheduled from 280001 to 280400 UTC May 24. Danger sector circle of 10 Nm around launcher. Wide berth from area advised. 2. Cancel this MSG 280500 UTC May 24.</p>
<p>539. Andaman Sea - Rani Lakshmbai Shila. Charts IN 33 405 473 INT 7440. Characteristics of LT established for trials at 11-08.23N 093-30.81E revised to FL (2)05S with range 10Nm. 2. Cancel NAVAREA VIII MSG 437/24.</p>
<p>540. India East Coast - Tuticorin. Charts IN 32 224 262 2075 INT 7366. Pandiyan Tivu DGPS (08-47.14N 078-11.83E) transmission will be switched off from 270130 to 271230 UTC May 24 for maintenance. 2. Cancel this MSG 271230 UTC May 24.</p>

<p>541. NAVAREA VIII - Warnings in force as on 24 May 2024 2022 Series - 134 237 519 2023 Series - 116 161 178 386 455 456 484 574 604 655 675 703 733 741 748 750 929 1046 1057 2024 Series - 180 188 215 288 291 317 396 397 422 436 439 444 446 455 460 461 465 468 474 475 476 479 481 486 490 496 497 498 499 501 504 505 506 507 508 511 514 516 518 519 523 524 528 529 530 531 533 534 535 537 538 539 540 (a) NAVAREA VIII Warnings less than 42 days promulgated via safetynet. (b) Text of NAVAREA VIII Warning in force including those which no longer broadcast available in www.hydrobharat.gov.in 2. Cancel this MSG 311000 UTC May 24.</p>
<p>542. Indian Ocean - Somali Basin. Charts IN 7071 7703 INT 703. Piracy attack on motor vessel reported in approximate position 01-16S 051-07E AT 231145 UTC May 24. Ship is now safe. Vessels advised to keep clear and exercise extreme caution. 2. Cancel this MSG 271100 UTC May 24.</p>
<p>543. Bay of Bengal - off Balasore. Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 27 to 31 May 24 from 0430 to 0630 UTC in danger area bounded by (a) 21-11.23N 086-49.48E (b) 18-46.87N 088-30.05E (c) 19-26.6N 089-15.76E (d) 21-37.52N 087-32.58E. Danger area extending up to coastline joining point A and D. Wide berth from area advised. 2. Cancel NAVAREA VIII MSG 523/24 and this MSG 310730 UTC May 24.</p>
<p>544. Indian Ocean - Somali Basin. Charts IN 7071 7703 INT 703. Suspicious approach reported by motor vessel IN approximate position 08-05N 053-34E AT 232100 UTC May 24. Vessels advised to keep clear and exercise extreme caution. 2. Cancel this MSG 271230 UTC May 24.</p>
<p>545. India East Coast - off Visakhapatnam. Charts IN 31 308 354 391 INT 7408. Firing scheduled from 290430 to 291500 UTC May 24 in danger area bounded by 17-44N 084-05E, 17-44N 083-48E, 17-48.13N 083-42E, 17-58N 083-52E, 17-58N 084-19E. Wide berth from area advised. 2. Cancel this MSG 291600 UTC May 24.</p>
<p>546. Southern Indian Ocean. Charts IN 7070 7073 7707 INT 707. Rocket debris predicted from 302200 to 310400 UTC May 24 in danger area bounded by 09-27S 089-17E, 09-20S 088-45E, 06-42S 089-16E, 06-48S 089-48E. Wide berth from area advised. 2. Cancel this MSG 310500 UTC May 24.</p>
<p>547. India West Coast - off Ponnani. Charts IN 22 259 7706 INT 7356. Subsurface firing scheduled from 280930 to 281430 UTC May 24 in danger area bounded by 10-11N 075-12E, 10-38N 075-08E, 10-38N 075-22E, 10-11N 075-26E. Wide berth from area advised. 2. Cancel this MSG 281530 UTC May 24.</p>
<p>548. Cancel NAVAREA VIII MSG 468/24 and this MSG.</p>
<p>549. India East Coast - Sriharikota. Charts IN 32 313 356 INT 7400. Rocket launch from 13-38.3N 080-14.2E scheduled from 290001 to 290400 UTC May 24. Danger sector circle of 10 Nm around launcher. Wide berth from area advised. 2. Cancel NAVAREA VIII MSG 538/24 and this MSG 290500 UTC May 24.</p>
<p>550. India West Coast - off Vengurla. Charts IN 22 213 256 2042 INT 7340. Racon D at Vengurla rocks LT (15-53.37N 073-27.75E) inoperative.</p>
<p>551. India East Coast - Thirukkadaiyur Port. Charts IN 32 357 3029 INT 7397. Buoy (11-04.49N 079-51.61E) retrieved for maintenance.</p>
<p>552. India East Coast - Sriharikota. Charts IN 32 313 356 INT 7400. Rocket launch from 13-38.3N 080-14.2E scheduled 30 May to 05 Jun 24 from 0001 to 0400 UTC. Danger sector circle of 10 Nm around launcher. Wide berth from area advised. 2. Cancel this MSG 050500 UTC Jun 24.</p>
<p>553. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. CS Maram progressing cable repairs in vicinity of 18-48.70N 072-09.63E, 18-43.43N 072-09.07E, 18-41.87N 072-08.85E, 18-36.54N 072-08.41E. Wide berth requested. 2. Cancel NAVAREA VIII MSG 529/24 and this MSG 301830 UTC Jun 24.</p>
<p>554. India East Coast - off Kakinada. Charts IN 31 355 391 INT 7405. Mahaxmi-II will carry out metocean survey from 30 May to 31 Aug 24 in vicinity of 16-32.04N 082-23.31E, 16-31.89N 082-23.25E, 16-26.91N 082-21.28E, 16-27.67N 082-26.91E, 16-32.17N 082-22.87E. Wide Berth Requested. 2. Cancel This MSG 311830 UTC Aug 24.</p>
<p>555. Southern Indian Ocean. Charts IN 7070 7073 INT 73. Space debris predicted from 01 to 04 Jun 24 between 0001 UTC and 2359 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised. 2. Cancel this MSG 050059 UTC Jun 24.</p>
<p>556. India East Coast - off Balasore. Charts IN 31 351 7706 INT 7419. Experimental flight trials scheduled 01 Jun 24, 03 to 08 Jun 24, 10 to 15 Jun 24, 18 to 22 Jun 24, 24 to 29 Jun 24 from 0200 to 1300 UTC in danger area bounded by (a) 21-27.5N 087-02E (b) 21-11.66N 087-19E (c) 21-04N 086-51.5E. Danger area extending up to coastline joining point A and C.</p>

<p>556. continued. Wide berth from area advised. 2. Cancel this MSG 291400 UTC Jun 24.</p>
<p>557. India West Coast - Azhikod. Charts IN 220 259 2029 INT 7358. DGNSS (10-12.20N 076-09.46E) Transmission will be switched off from 300130 to 301030 UTC May 24 for maintenance. 2. Cancel this MSG 301030 UTC May 24.</p>
<p>558. India West Coast. Charts IN 21 207 254 INT 7331. Rig move. GD Chetna (20-35.64N 072-08.03E). Refer to 073(T) of INTM 10/24. Wide berth requested.</p>
<p>559. Lakshadweep Sea - off Colombo. Charts IN 32 264 INT 754. Man overboard reported in approximate position 06-19.36N 079-11.65E AT 291715 UTC May 24. Mariners to keep sharp lookout. 2. Cancel this MSG 011715 UTC Jun 24.</p>
<p>560. Bay of Bengal - off Bangladesh. Charts IN 31 BA 90 817 INT 756. Firing by Bangladesh Navy scheduled 02 to 30 Jun 24 (excluding Fridays and Saturdays) from 0001 to 1600 UTC in danger areas bounded by (a) 21-20.83N 090-34E, 21-41N 091-14E, 21-20.83N 091-28E, 21-00N 090-47.83E (b) 20-07N 090-52E, 20-22N 091-06E, 20-00N 091-36E, 19-44N 091-21E (c) 20-22N 091-06E, 20-46.5N 091-31E, 20-24N 091-59E, 20-00N 091-36E (d) 21-18N 089-31E, 21-18N 089-50E, 21-04N 089-54E, 21-04N 089-34E (e) 20-58N 089-34E, 20-58N 089-54E, 20-34N 089-54E, 20-34N 089-34E. Wide berth from area advised. 2. Cancel this MSG 301700 UTC Jun 24.</p>
<p>561. India East Coast - off Gopalpur. Charts IN 31 305 352 353 391 INT 7413. Army air defence firing scheduled 01 to 10 Jun 24 from 0130 to 0830 UTC and 0930 to 1430 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 Nm radius joining point B and C. Wide berth from area advised. 2. Cancel this MSG 101530 UTC Jun 24.</p>
<p>562. India East Coast - off Balasore. Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 03 to 08 Jun 24, 10 to 12 Jun 24 from 0330 to 1030 UTC in danger area bounded by (a) 21-42.41N 087-45.6E (b) 21-03N 088-52.5E (c) 19-39.66N 087-43.01E (d) 20-20.03N 086-46.5E (e) 20-37.68N 087-04.33E (f) 20-47.31N 087-00.8E (g) 20-49.3N 087-04.46E (h) 21-14.91N 086-48.63E. Danger area extending up to coastline joining point A and H. Wide berth from area advised. 2. Cancel this MSG 121130 UTC Jun 24.</p>
<p>563. Cancel NAVAREA VIII MSG 543/24, 552/24 and this MSG.</p>
<p>564. India West Coast - Kochi. Charts IN 22 220 259 2004 INT 7356. Firing scheduled (a) 03, 10, 17, 24 Jun 24 from 0900 to 1200 UTC and (b) 07, 14, 21, 28 Jun 24 from 0900 to 1200 UTC and 1230 to 1430 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised. 2. Cancel this MSG 281530 UTC Jun 24.</p>
<p>565. Andaman Sea - off Middle Andaman I. Charts IN 41 473 4186 INT 7031. Firing by aircraft scheduled from 050830 to 051030 UTC Jun 24 in danger area bounded within 12-50n to 13-00n and 093-40e to 094-10e. Wide berth from area advised. 2. Cancel this MSG 051130 UTC Jun 24.</p>
<p>566. Andaman Sea - off South Andaman I. Charts IN 33 404 473 INT 7439. Firing by aircraft scheduled from 05 to 07 Jun 24 from 0430 to 0700 UTC in danger area bounded by 11-52N 092-19E, 11-48N 092-29E, 11-40N 092-27E, 11-43N 092-16E. Wide berth from area advised. 2. Cancel this MSG 070800 UTC Jun 24.</p>
<p>567. Southern Indian Ocean. Charts IN 7070 7073 INT 70. Rocket launch scheduled 05 to 07 Jun 24 from 1243 to 1840 UTC in danger area bounded by 25-22S 050-33E, 22-26S 083-56E, 17-09S 101-11E, 15-10S 113-59E, 16-33S 113-56E, 23-36S 098-26E, 28-04S 070-23E, 28-24S 050-03E. Wide berth from area advised. 2. Cancel this MSG 071940 UTC Jun 24.</p>
<p>568. India East Coast - off Kakinada. Charts IN 31 355 391 INT 7405. Lay vessel 108 will carry out installation works from 01 Jun to 31 Aug 24 in area bounded by 16-32.48N 082-21.36E, 16-25.57N 082-25.75E, 16-05.40N 082-25.12E, 16-05.66N 082-16.04E, 16-12.95N 082-09.26E, 16-22.98N 082-17.58E, 16-30.68N 082-18.31E. Wide berth requested. 2. Cancel this MSG 311830 UTC Aug 24.</p>
<p>569. Indian Ocean. Charts IN 7706 7707 INT 706. Partially submerged fishing boat reported adrift in approximate position 05-18.58N 088-32.59E AT 310629 UTC May 24. Mariners to exercise caution. 2. Cancel this MSG 030629 UTC Jun 24.</p>
<p>570. NAVAREA VIII - warnings in force as on 31 May 2024. 2022 Series - 134 237 519 2023 Series - 116 161 178 386 455 456 484 574 604 655 675 703 733 741 748 750 929 1046 1057 2024 Series - 180 188 215 288 291 317 397 422 444 446 455 460 461 465 474 475 476 479 481 486 499 501 504 505 506 511 518 519 528 534 535 539 550 551 553 554 555 556 558 559 560 561 562 564 565 566 567 568 569 (A) NAVAREA VIII warnings less than 42 days promulgated via safety net. (B) Text of NAVAREA VIII warning in force including those which no longer broadcast available in www.hydrobharat.gov.in.</p>

570. continued.
2. Cancel this MSG 071000 UTC Jun 24.



SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

8.1
SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

(Last correction: Edition No. 06 dated 16 Mar 2024)

PAGE 46, BURMA.
AYEYARWADY MRCC.

Delete entry:

PAGE 46, BURMA.
MYEIK.

Delete entry:

PAGE 46, BURMA.
YANGON.

Delete entry:

PAGE 46, below MOZAMBIQUE.

Insert new entry:

MYANMAR (BURMA)

MARITIME TELEMEDICAL ASSISTANCE SERVICE (TMAS)	
Usual name of centre	Asia Royal Hospital, No.14 Baho Road, Sanchaung Township, Yangon 11111, Myanmar
Associated MRCC or JRCC	MRCC Ayeyarwady
Telephone: +95 1 7538055 (Asia Royal Hospital) +95 9 7787788855 (ext 5050,5060 Hunt Line) Mobile: +95 9 76540858 (Asia Royal Hospital)	
	Email: manager.medical@asiaroyalhospital.com (Asia Royal Hospital) manager1.med@asiaroyalhospital.com Website: https://www.asiaroyalhospital.com/ (Asia Royal Hospital)
Consultation Languages	English and Burmese (mya)

PAGE 46, below MOZAMBIQUE.

Insert new entry:

AYEYARWADY MRCC (XYX)		16°45'98N 96°11'77E
MMSI 005061411	DSC VHF MF HF 4 6 8 12 & 16 MHz	
+95 31 31651 +95 9 795279576		+95 1 202417
Inmarsat C: 450614011		Email: mrcc.myanmar2012@gmail.com

VHF


	Ch 16	H24
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RT (MF)

	Transmits	Receives	Hours of Watch
	2182	2182	H24

RT (HF)

	Position	Transmits	Receives	Hours of Watch
		4125	4125	
		6215	6215	
		8291	8291	
		12290	12290	
		16420	16420	

MYEIK (XYM)		12°26'·00N 98°36'·00E		
MMSI 005060200	DSC VHF MF HF			
 +95 59 41180				
		Email: myanmar.crs.hq@gmail.com		

VHF

		Ch 16	H 24
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RT (MF)


	Transmits	Receives	Hours of Watch
	2182	2182	H24

RT (HF)

	Position	Transmits	Receives	Hours of Watch
		4125	4125	
		6215	6215	
		8291	8291	
		12290	12290	
		16420	16420	

PAGE 46, below MOZAMBIQUE.

Insert new entry:

YANGON (XYR)		16°42'·00N 96°17'·00E		
MMSI 005060100	DSC VHF MF HF 4 6 8 12&16			
 +95 56 21507				
Call: Yangon Radio		Email: myanmar.crs.hq@gmail.com		
NOTE(S): Station accepts Ships' Weather Reports addressed METEO YANGON.				

VHF

		Ch 16	H 24
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RT (MF)

	Transmits	Receives	Hours of Watch
	2182	2182	H24

RT (HF)

	Position	Transmits	Receives	Hours of Watch
		4125	4125	
		6215	6215	
		8291	8291	
		12290	12290	
		16420	16420	

INP 31(2), 2019

(Last correction: Edition No. 09 dated 01 May 2024)

PAGE 04, EGYPT (Red Sea Coast).**74290 Fellowes Rocks Lt Buoy.**

Delete entry:

PAGE 24, below NICOBAR ISLANDS (India).

Insert new entry:

MYANMAR (Burma)							
Yetagun Gas Field Platform B	13°02'·91N 96°52'·42E					Q	79625

PAGE 24, BURMA.**79625 Yetagun Gas Field Platform B.**

Delete entry:

PAGE 24, BURMA.**79630 Yetagun Gas Field Platform D.**

Insert new entry:

MYANMAR (Burma)							
Yetagun Gas Field Platform B	13°02'·91N 96°52'·42E					Q	79630

PAGE 24, BURMA.**79630 Yetagun Gas Field Platform D.**

Delete entry:

PAGE 54, UNITED ARAB EMIRATES (Persian Gulf Coast) (AIS).

Delete entry:

Jabal Az Zannah Lt Buoy No 1.

Jabal Az Zannah Lt Buoy No 1.

Jabal Az Zannah Lt Buoy No 2.

Jabal Az Zannah Lt Buoy No 3.

Jabal Az Zannah Lt Buoy No 4.

Jabal Az Zannah Lt Buoy No 5.

Jabal Az Zannah Lt Buoy No 6.

Jabal Az Zannah Lt Buoy No 7.

Jabal Az Zannah Lt Buoy No 8.

Jabal Az Zannah Lt Buoy No 9.

Jabal Az Zannah Lt Buoy No 10.

Jabal Az Zannah Lt Buoy No 11.

Jabal Az Zannah Lt Buoy No 12.

Jabal Az Zannah Lt Buoy No 13.

Jabal Az Zannah Lt Buoy No 14.

Jabal Az Zannah Lt Buoy No 15.

Jabal Az Zannah Lt Buoy No 16.

Jabal Az Zannah Lt Buoy No 17.

Jabal Az Zannah Lt Buoy No 18.

Jabal Az Zannah Lt Buoy No 19.

Jabal Az Zannah Lt Buoy No 20.

PAGE 56, UNITED ARAB EMIRATES (Persian Gulf Coast) (AIS).**North Yas Lt Buoy.**

Delete entry:

PAGE 58, UNITED ARAB EMIRATES (Persian Gulf Coast),**below Ruwais Carbon Black Channel Lt Buoy CB-10.**

Insert new entry:

Ruwais Channel Lt Buoy No 2	24°24'·49N 52°37'·19E	994701110		Real	
Ruwais Channel Lt Buoy No 4	24°24'·12N 52°37'·74E	994701112		Real	
Ruwais Channel Lt Buoy No 6	24°23'·44N 52°38'·75E	994701114		Real	
Ruwais Channel Lt Buoy No 8	24°22'·88N 52°39'·32E	994701116		Real	
Ruwais Channel Lt Buoy No 9	24°21'·75N 52°40'·25E	994701117		Real	
Ruwais Channel Lt Buoy No 10	24°21'·86N 52°40'·38E	994701118		Real	

8.4

Ruwais Channel Lt Buoy No 11	24°21'·05N 52°41'·00E	994701119		Real	
Ruwais Channel Lt Buoy No 12	24°21'·17N 52°41'·13E	994701120		Real	
Ruwais Channel Lt Buoy No 13	24°20'·55N 52°41'·53E	994701121		Real	
Ruwais Channel Lt Buoy No 14	24°20'·57N 52°41'·76E	994701122		Real	
Ruwais Channel Lt Buoy No 15	24°19'·99N 52°41'·80E	994701123		Real	
Ruwais Channel Lt Buoy No 16	24°20'·01N 52°42'·31E	994701124		Real	
Ruwais Channel Lt Buoy No 17	24°19'·08N 52°41'·42E	994701125		Real	
Ruwais Channel Lt Buoy No 18	24°18'·84N 52°41'·82E	994701126		Real	
Ruwais Channel Lt Buoy No 20	24°17'·90N 52°41'·41E	994701127		Real	

PAGE 58, UNITED ARAB EMIRATES (Persian Gulf Coast) (AIS).
below South Yas Lt Buoy.

Insert new entry:

Yas Channel Lt Buoy No 1	24°24'·40N 52°36'·41E	994701109		Real	
Yas Channel Lt Buoy No 3	24°23'·88N 52°37'·30E	994701111		Real	
Yas Channel Lt Buoy No 5	24°23'·13N 52°38'·41E	994701113		Real	
Yas Channel Lt Buoy No 7	24°22'·62N 52°39'·00E	994701115		Real	
Yas Channel Lt Buoy No 19	24°17'·85N 52°40'·64E	994701116		Real	

PAGE 58, UNITED ARAB EMIRATES (Persian Gulf Coast),
Yas Lt Buoy No 1.

Delete entry and replace by:

Yas Channel Lt Buoy No Yas 1	24°21'·91N 52°39'·54E	994701130		Real	
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PAGE 58, UNITED ARAB EMIRATES (Persian Gulf Coast),
below South Yas Lt Buoy.

Insert new entry:

Yas Channel Lt Buoy No Yas 2	24°21'·99N 52°39'·69E	994701131		Real	
Yas Channel Lt Buoy No Yas 3	24°20'·81N 52°40'·14E	994701132		Real	
Yas Channel Lt Buoy No Yas 4	24°20'·89N 52°40'·31E	994701133		Real	
Yas Channel Lt Buoy No Yas 5	24°19'·49N 52°40'·37E	994701134		Real	
Yas Channel Lt Buoy No Yas 6	24°19'·51N 52°40'·55E	994701135		Real	
Yas Channel Lt Buoy N-Yas	24°22'·56N 52°39'·36E	994701128		Real	

PAGE 58, UNITED ARAB EMIRATES (Persian Gulf Coast),
South Yas Lt Buoy.

Delete entry and replace by:

Yas Channel Lt Buoy S- Yas	24°18'·30N 52°40'·94E	994701129		Real	
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PAGE 58, UNITED ARAB EMIRATES (Persian Gulf Coast).

Delete entry:

- Yas Lt Buoy No 2.
- Yas Lt Buoy No 3.
- Yas Lt Buoy No 4.
- Yas Lt Buoy No 5.
- Yas Lt Buoy No 6.

INP 31(5), 2021

(Last correction: Edition No. 03 dated 01 Feb 2024)

NIL

INP 31(6), 2023

(Last correction: Edition No. 10 dated 15 May2024)

NIL

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / Harbour 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,
Dehradun - 248001
(Uttarakhand), India

e-mail : msis-inho@navy.gov.in, inho@navy.gov.in
Fax No. : +91-135- 2748373
Web : www.hydrobharat.gov.in

Instructions for filling up IH 102

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. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/Everest/Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. Paper Charts. A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. ENCs. A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

Depth Reporting

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the 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 made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) The trace being weaker than normal for the depth recorded;
- (b) The trace passing through the transmission line;
- (c) The feathery nature of the trace.

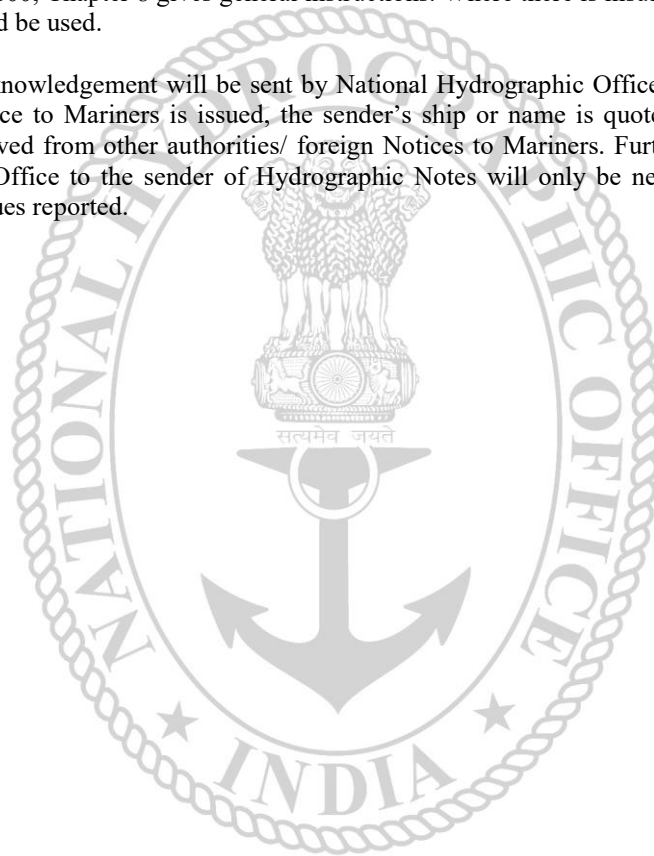
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

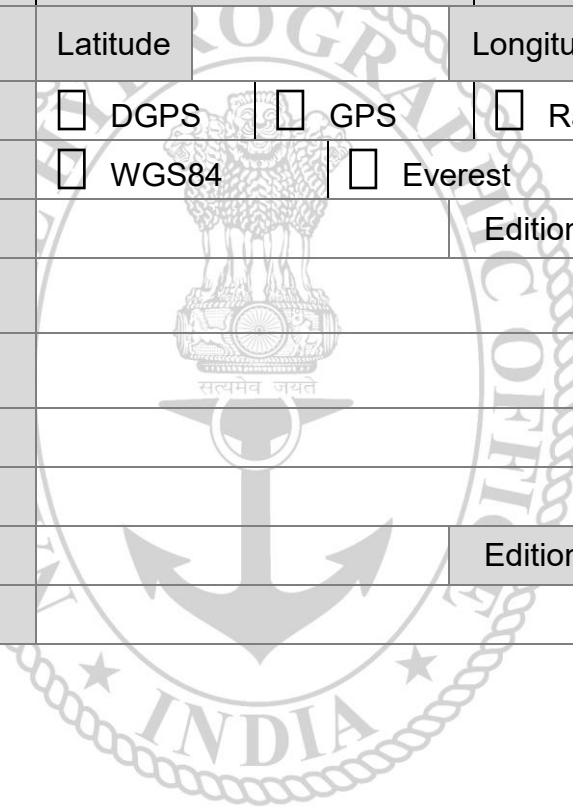
8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further, communication from National Hydrographic Office to the sender of Hydrographic Notes will only be necessary to verify unusual features or abnormal values reported.

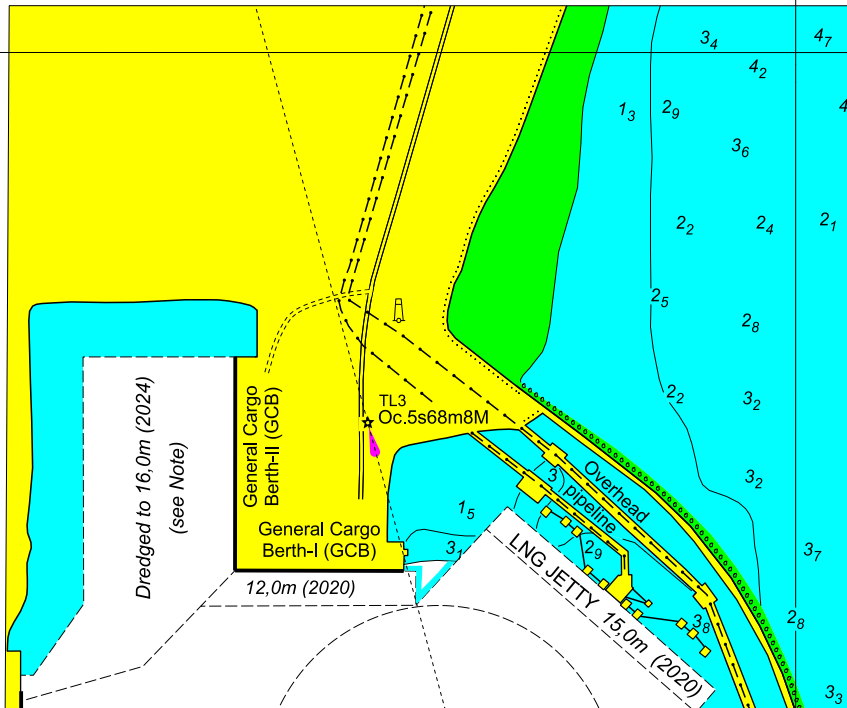


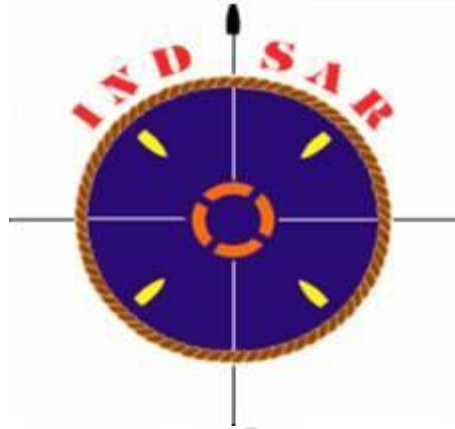
HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry	<input type="checkbox"/> Nav. Dangers	<input type="checkbox"/> Nav. aids		
	<input type="checkbox"/> Designated Areas	<input type="checkbox"/> Others			
Geographical Position (See Instructions Overleaf)	Latitude		Longitude		
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected			Edition		
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected			Edition		
Page No./Light No. etc					
Details:					
					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)		IH.102A (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
1. NAME OF PORT			
Location	Latitude		Longitude
2. GENERAL REMARKS			
Principal activities and trade			
Number of ships and tonnage handled per year			
Maximum size of draught of vessel handled			
Copy of Port handbook (if available)			
3. ANCHORAGES			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
4. PILOTAGE			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
5. DIRECTIONS			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
6. POLLUTION CONTROL			
Local regulation in force (If Any)			
7. TUGS			
Number available / Tug type			
Maximum HP / Bollard pull			

7. TUGS (Continued)	
Requesting authority	
Availability timing / Communication	
Hiring charges	
8. BERTHING AND WHARVES	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
9. CARGO HANDLING	
Containers	
Lighters & Ro-Ro etc.	
10. CRANES	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
11. BRIDGES	
Vertical clearance	
12. REPAIRS	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
13. SERVICES	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

14. RESCUE & DISTRESS	
Salvage, Lifeboat, Life guards, etc	
15. SUPPLIES	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
16. COMMUNICATIONS	
Road, Rail and Air services available	
Nearest airport or airfield	
Port Radio and Information Service (Frequencies and Operating Hours)	
17. PORT AUTHORITY	
Designation, Address, Telephone, E-mail Address and Website	
18. SECURITY	
Security of ports / International Ship and Port Facility Security (ISPS) compliance	
Custom and Immigration Regulations in force	
19. SMALL CRAFT FACILITIES	
Information and facilities for small craft, yachts visiting the port	
Yacht clubs, berths etc	
20. SHORT LEAVE	
21. CLUBS RECREATION	
Information Kiosk (Location)	
Foreign Exchange firms / Banks (Within / Near Port Area)	
Places of interest near port	
22. VIEWS	
Photographs(Duly annotated) of the approaches, leading marks, the entrance to the harbour etc.	
23. ADDITIONAL DETAILS	
Any other information considered to be useful for the mariners	
SIGNATURE OF THE OBSERVER / REPORTER / MASTER	





FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

INMARSAT C (IOR) 441907210 CODE: 43 (TOLL FREE)

AFTN: VABBYXYC