

LEGEND:

GENERAL

- UTM GRID INTERSECTION (WG84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRIC POST
- MATCH LINE
- TOE LINE OF CHANNEL

Section A-B Maintained level : 15.60m (+15 cm Tolerance)

BATHYMETRY

- WATER DEPTH IN METRES & DECIMITRES BELOW CHART DATUM
- BATHYMETRY CONTOUR

- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'THE QUEEN'
 - 2) POSITION FIXING WAS CONTROLLED FROM SEPTEMBER AUTO POSITIONING SYSTEM.
 - 3) KONGBERG ECHOSOUND MULTIBeam ECHOSOUNDER WAS EMPLOYED TO CARRY OUT MMS SURVEY.
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANAPAL JETTY, SPANAKA DIJK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - 5) BENCH MARK AT ANAPAL JETTY (BOLLARD) IS 7.375 ABOVE CHART DATUM. B.PX = 6.70m, Rock Rise = 5.83m.
 - 6) MOTION SENSOR OBTAINS WAS USED TO COMPENSATE SEA SWELL.
 - 7) SURVEY AREA COORDINATES WERE PROVIDED BY THE CLIENT AND ROAD GRADING.
 - 8) ALL JOINT POST SURVEYS CARRIED OUT JOINTLY BETWEEN : JNPA, NTPCW (ITM), DCA & ISPL.
 - 9) ALL PLOTTED DATA IN 10m x 10m GRID SIZE.

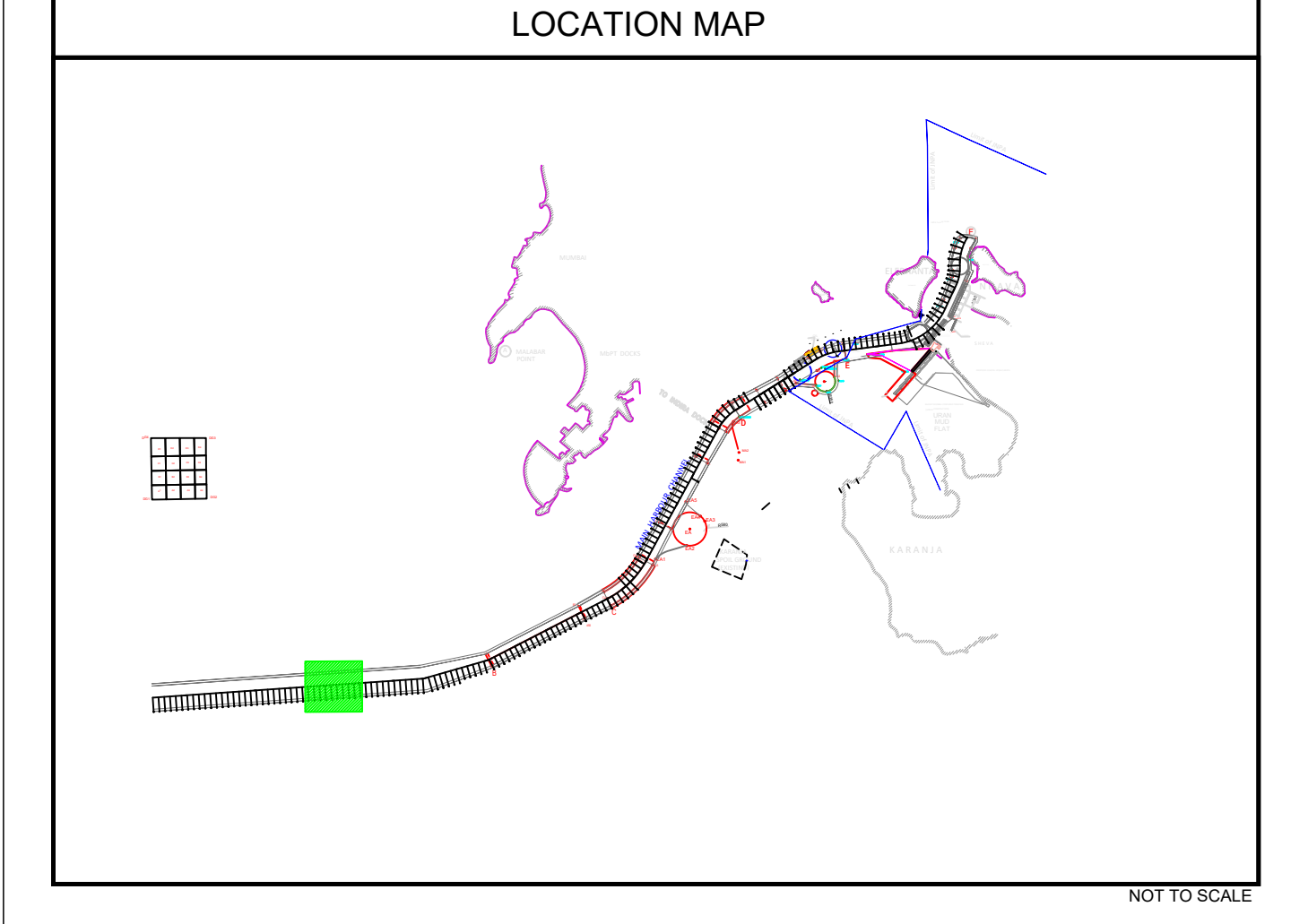
GEODEIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WG84
VERTICAL CO-ORDINATE SYSTEM	WG84
ELLIPSOID	WG84
Semi major axis	6378137.000 m
Semi minor axis	6356752.314 m
Inverse flattening	298.2572226
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	75° E (Zone 43)
Latitude of Origin	0.000000
Fake Easting	500000 m
Fake Northing	0 m
Scale factor at CM	0.999600

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description

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CLIENT

JAWAHARLAL NEHRU PORT AUTHORITY

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CONSULTANT

**NATIONAL TECHNOLOGY CENTRE FOR PORTS
WATERWAYS AND COASTS**

IIT MADRAS

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PROJECT

**JOINT POST SURVEY - MAR 2023
MULTI-BEAM BATHYMETRY SURVEYS
IN NAVIGATIONAL AREA OF JN PORT
NAVI MUMBAI & MUMBAI PORT CHANNEL
WEST COAST OF INDIA
FY 2022-23**

**BATHYMETRY CHART (SECTION A-B)
CHARGE: 05.400 - 07.200**

SCALE

HORIZONTAL SCALE 1 : 2000

Survey Date: 26th to 28th, 31st Mar to 02 Apr 2023

Authorized Signatory

Rev. No.	Date	Description
0	03-04-2023	Issued For Approval

Drawing No: 5940EX-DUR-SUR-133-A8

Chart Ecut P:502 A0