

LEGEND:

GENERAL

- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRE POST
- MATCH LINE
- TOE LINE OF CHANNEL

Section B-C Maintained level : 15.40m (±15 cm Tolerance)
Section A-B Maintained level : 15.60m (±15 cm Tolerance)

BATHYMETRY

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

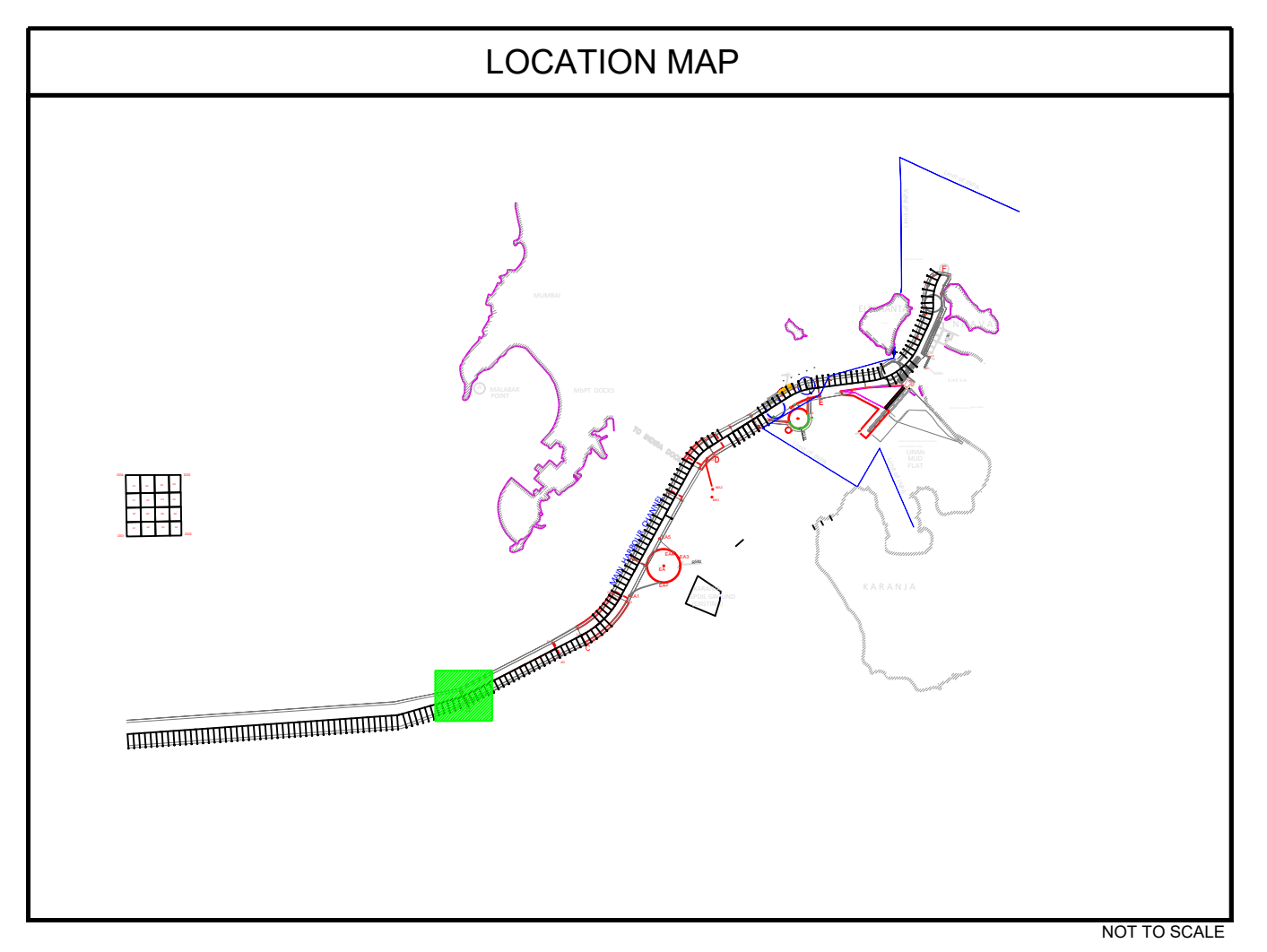
- NOTES:**
- SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
 - POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTRUX POSITIONING SYSTEM.
 - KONGBERG ECHOSOUND MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MEAS SURVEY.
 - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANAP LANDING JETTY, BPFX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - BENCH MARK AT JNPA LANDING JETTY (BOLARD) IS 3.735 ABOVE CHART DATUM. BPFX = 6.70m, Sunk Rock = 5.783m.
 - MOTION SENSOR COORDINATES WAS USED TO COMPENSATE SEA SWELL.
 - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN CAD DRAWING.
 - ALL JOINT POST SURVEYS CARRIED OUT JOINTLY BETWEEN - JNPA, INPA, NTPCW (UTM, DG) & DPLP.
 - ALL PLOTTED DATA IN 1mm x 1mm GRID SIZE.

GEODETIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	: WGS84
GEODETIC DATUM	: WGS84
ELLIPSOID	: WGS84
Semi major axis	: 6378137.000 m
Minor axis	: 6356752.314 m
Inverse flattening	: 298.2572238
PROJECTION	: Universal Transverse Mercator
Central Meridian (CM)	: 75° E (Zone 43)
Latitude of Origin	: 0°
False Easting	: 500000 m
False Northing	: 0 m
Scale factor @ CM	: 0.99960

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description



CLIENT

JAWAHARLAL NEHRU PORT AUTHORITY
ADMINISTRATION BUILDING,
SHEVA,
NAVI MUMBAI - 400 707
Tel : 022 6781 4156/6781 4154, Fax: 022 6781 4178

CONSULTANT

**NATIONAL TECHNOLOGY CENTRE FOR PORTS
WATERWAYS AND COASTS**
IIT MADRAS
CHENNAI - 600 036
TEL: +91 44 22578915

CONTRACTOR

DREDGING CORPORATION OF INDIA LIMITED
DREDGE HOUSE, HS COLONY MAIN ROAD, SEETHAMMAHARA,
VISHAKHAPATNAM - 530 022
ANDHRA PRADESH STATE, INDIA
TEL: +91 0891-2523250 +91 0891-2871230

SUB-CONTRACTOR

INTERNATIONAL SEAPORT DREDGING PVT. LTD.
Ocean Square Plot No.2-C(S.P)
Thiru-vi-ka Industrial Estate
Guindy, Chennai - 600032
Tel Fax : +91(0) 44 43 12 99 01

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 B-C & A-B)
CHANNEL 10.800 - 12.700**

SCALE

HORIZONTAL SCALE 1 : 2000

Vertical scale: 1cm = 1m

Rev. No. | **Date** | **Description**

0	05-04-2023	Issued For Approval
---	------------	---------------------

Authorized Signatory

Drawing No: 5940EX-SUR-PO-130-BC