

**LEGEND:**

**GENERAL**

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

Section C-D Maintained level : 14.80m (±15 cm Tolerance)  
Section B-C Maintained level : 15.40m (±15 cm Tolerance)

**BATHYMETRY**

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

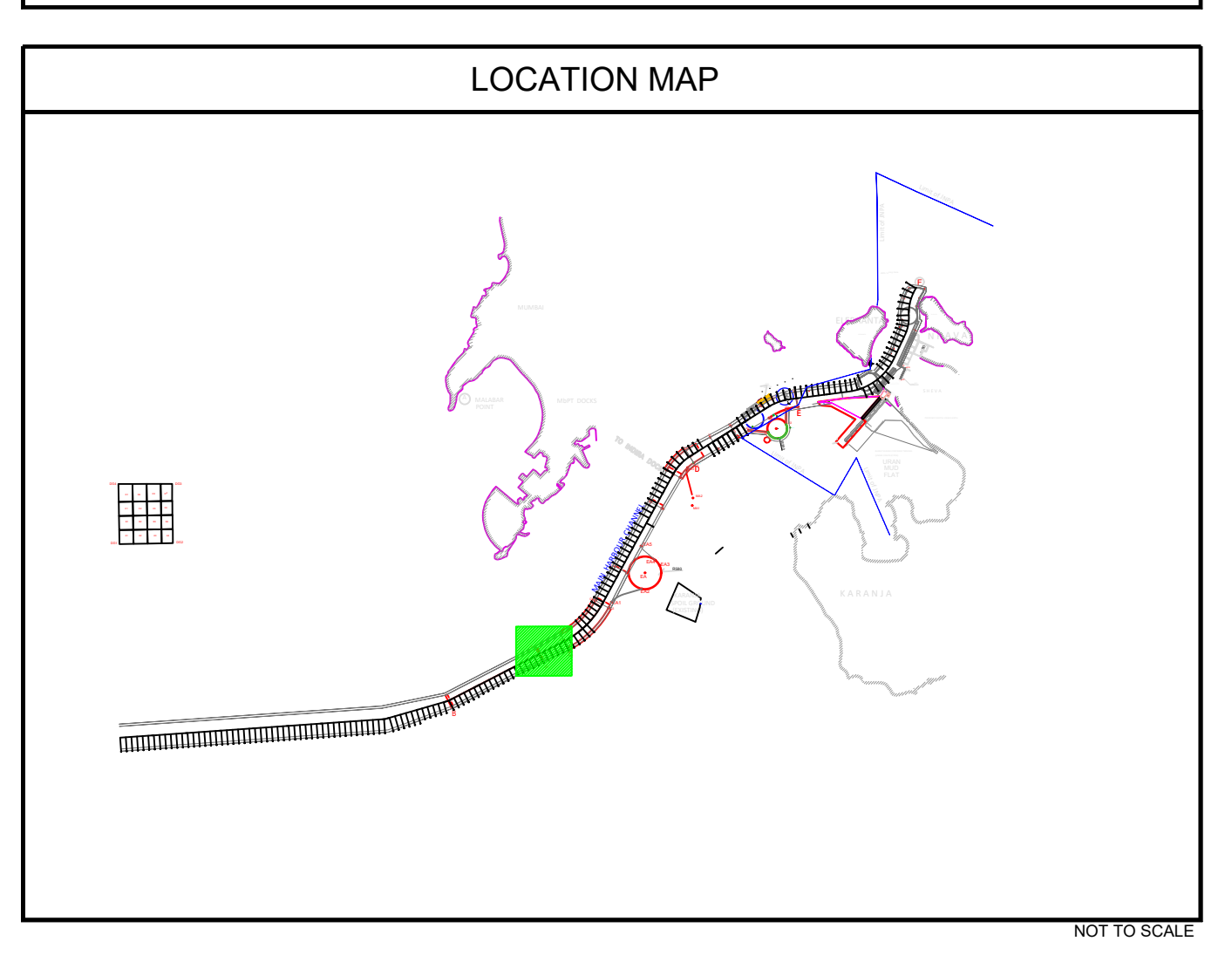
- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'ME QUEEN'
  - 2) POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTRON POSITIONING SYSTEM
  - 3) KONGSBERG ENDURIC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MEAS SURVEY
  - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JAPA LANDING JETTY, BPP AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
  - 5) BENCH MARK AT JAPA LANDING JETTY ISLANDS IS 3.75m ABOVE CHART DATUM. BPP = 6.70m, Sunk Rock = 5.876m.
  - 6) MOTION SENSOR OBTAIN WAS USED TO COMPENSATE SEA SWELL
  - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
  - 8) ALL JOINT POST SURVEYS CARRIED OUT JOINTLY BETWEEN - JAPA, NITPCW (ITM), DO & BPL.
  - 9) ALL PLOTTED DATA IN 10m x 10m GRID SIZE.

**GEODEIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEOID DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6367523.14m
Inverse flattening	298.257222101
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	75° E (Zone 48)
Latitude of Origin	0°
False Easting	500000m
False Northing	0
Scale factor at 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, HB 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)  
CHANNELAGE 14.800 - 16.400**

**SCALE**

**HORIZONTAL SCALE 1 : 2000**

**Vertical Scale:** 1:1

Vessel: ME QUEEN    Survey Date: 18th and 19th Mar 2023    Authorized Signatory

Rev. No.	Date	Description	Prepared	Checked	Approved	Scale	Proj. Charge	ITM/DO/BPL	Chart	Encl.	P. Desc.
0	03-04-2023	Issue for Approval									

Drawing No: 5946X-SUR-PO-128-BC