

**LEGEND:**

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

Section A-B Maintained level : 15.60m (Without 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 SEPTEMBER ASTERIX POSITIONING SYSTEM
  - KONGSBERG EM2040C MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
  - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANPA LANDING JETTY. BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
  - BENCH MARK AT INPA LANDING JETTY (COLLARED) IS 7.375 ABOVE CHART DATUM. BPX & 6.75m. Sunk Rock & 5.75m.
  - MOTION SENSOR OBTAINS WAS USED TO COMPENSATE SEA SWELL.
  - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
  - ALL JOINT POST SURVEYS WERE JOINTLY CARRIED OUT BETWEEN - ANPA, IITA, DDC & IDPL.
  - ALL PLOTTED DATA IN 10x10m GRID SIZE.

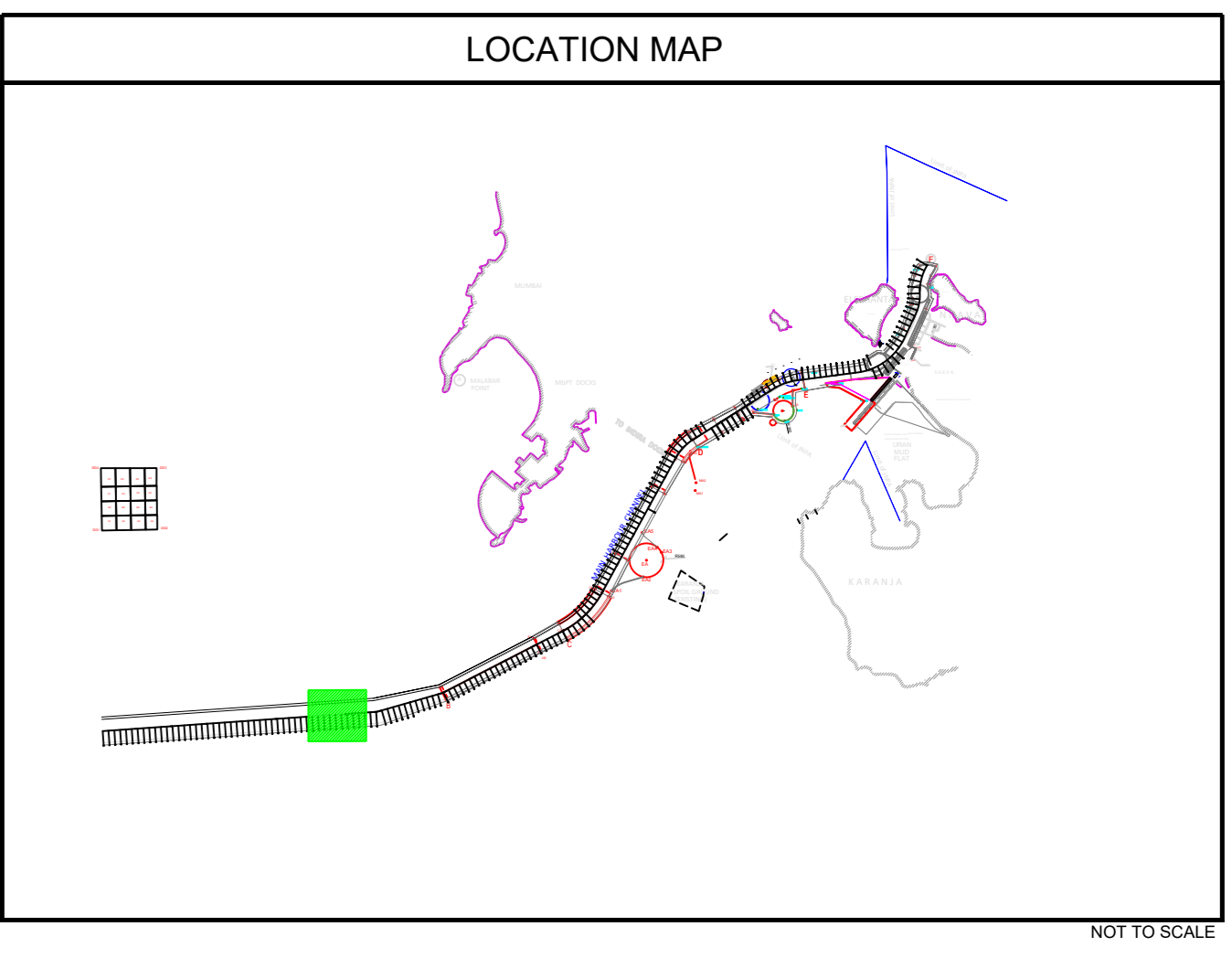
**GEODETIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	WG84
GEODETIC DATUM	WG84
ELLIPSOID	WG84
Semi-major axis	6378137.000 m
Semi-minor axis	6356752.314 m
Geoid Height	296.257356 m
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	73° E (Zone 43)
Latitude of Origin	0°
False Easting	500000 m
False Northing	0 m
Scale factor at CM	0.99960

**REFERENCE DRAWINGS**

Rev. No.	Date	Drawing No.	Description

This is the Sole Property Of Dredging Corporation Of India Limited. Copyrighted Use Of Document In Any Form Without its Permission.



**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 0891-2523230 +91 0891-2871230

**SUB-CONTRACTOR**

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

**PROJECT**

**JOINT POST SURVEY  
MULTI-BEAM BATHYMETRY SURVEYS  
IN NAVIGATIONAL AREA OF JN PORT  
NAVI MUMBAI & MUMBAI PORT CHANNEL  
WEST COAST OF INDIA  
FY 2021-22  
BATHYMETRY CHART (SECTION A-B)  
CHANGAGE 07.200 - 08.800**

**SCALE**

**HORIZONTAL SCALE 1 : 2000**

Vessel: ME QUEEN Survey Date: 19th,18th&19th May 2022 Authorized Signatory

Rev. No.	Date	Description
0	16-09-2022	Issued For Approval

Drawing No: 5940-SUR-PO-129-A8
