

**LEGEND:**

**GENERAL**

- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRIC POST
- MATCH LINE
- TIDE LINE OF CHANNEL

Section A-B Maintained level : 15.60m (Without 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 REPEATING ASTERIX POSITIONING SYSTEM
  - 3) KONGSBERG EMOAC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
  - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT APFA AND SUNK ROCK WERE USED
- FOR REDUCING RAW WATER DEPTH TO CHART DATUM
- BEACH MARK AT APFA LANDING JETTY (BOLLARDS) IS 7.275 ABOVE CHART DATUM. BPK - 4.670m, Sunk Rock - 5.720m
  - 5) 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 WHERE JOINTLY CARRIED OUT BETWEEN - JNPA, IITM, DCO & IDPL.
  - 9) ALL PLOTTED DATA IN 10x10 m GRID SIZE.

**GEOTIC PARAMETERS**

**HORIZONTAL COORDINATE SYSTEM**

PROJECTION: WGS84

ELLIPSOID: Everest

Semi minor axis: 6356732.14 m

Inverse flattening: 298.257222101

Universal Transverse Mercator

Projection Meridian (CM): 75° E (Zone 43)

Latitude of Origin: 0°

False Easting: 500000 m

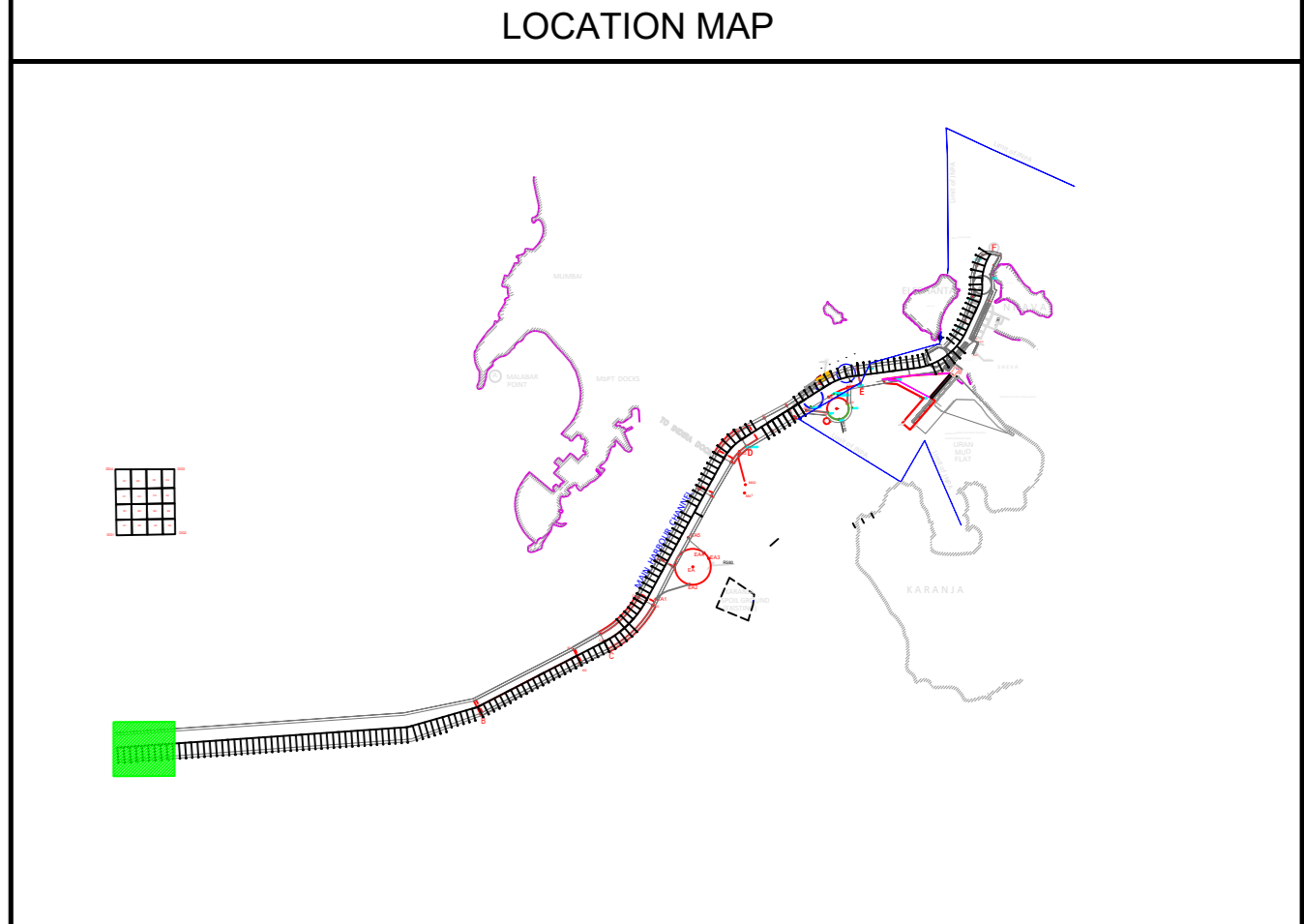
False Northing: 0 m

Scale factor of CM: 0.99960

**REFERENCE DRAWINGS**

Rev. No.	Date	Drawing No.	Description

This is the Sole Property of Dredging Corporation of India Limited. Unauthorised Use of This Document in Any Form Whereinsoever is Prohibited.



**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 25789185

**CONTRACTOR**

**DREDGING CORPORATION OF INDIA LIMITED**

DREDGE HOUSE, HS COLONY MAIN ROAD, SEETHAMHADHARA,  
VISHAKHAPATNAM - 530 022  
ANDHRA PRADESH STATE, INDIA  
Tel: +91 0891-2823250 - +91 0891-2871230

**SUB-CONTRACTOR**

**INTERNATIONAL SEAPORT DREDGING PVT LTD.**

Ocean Square Plot No-2(CIS)  
Thiruvananthapuram Industrial Estate  
Gundy 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**

**BATHYMETRY CHART (SECTION A-B)**  
CHARGE NO. 00.000 - 01.600

**SCALE**

**HORIZONTAL SCALE 1 : 2000**

40m 0m 40m 80m 120m 160m 200m

Vessel: ME QUEEN Survey Date: 15th to 18th May 2022 Authorized Signatory

Rev. No.	Date	Description
0	15-05-2022	Issued For Approval

Drawing No: 5940-SUR-PO-132-AB

Chart: Enot

Scale: AD