

**LEGEND:**

- GENERAL
- UTM GRID INTERSECTION (WG84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETER 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

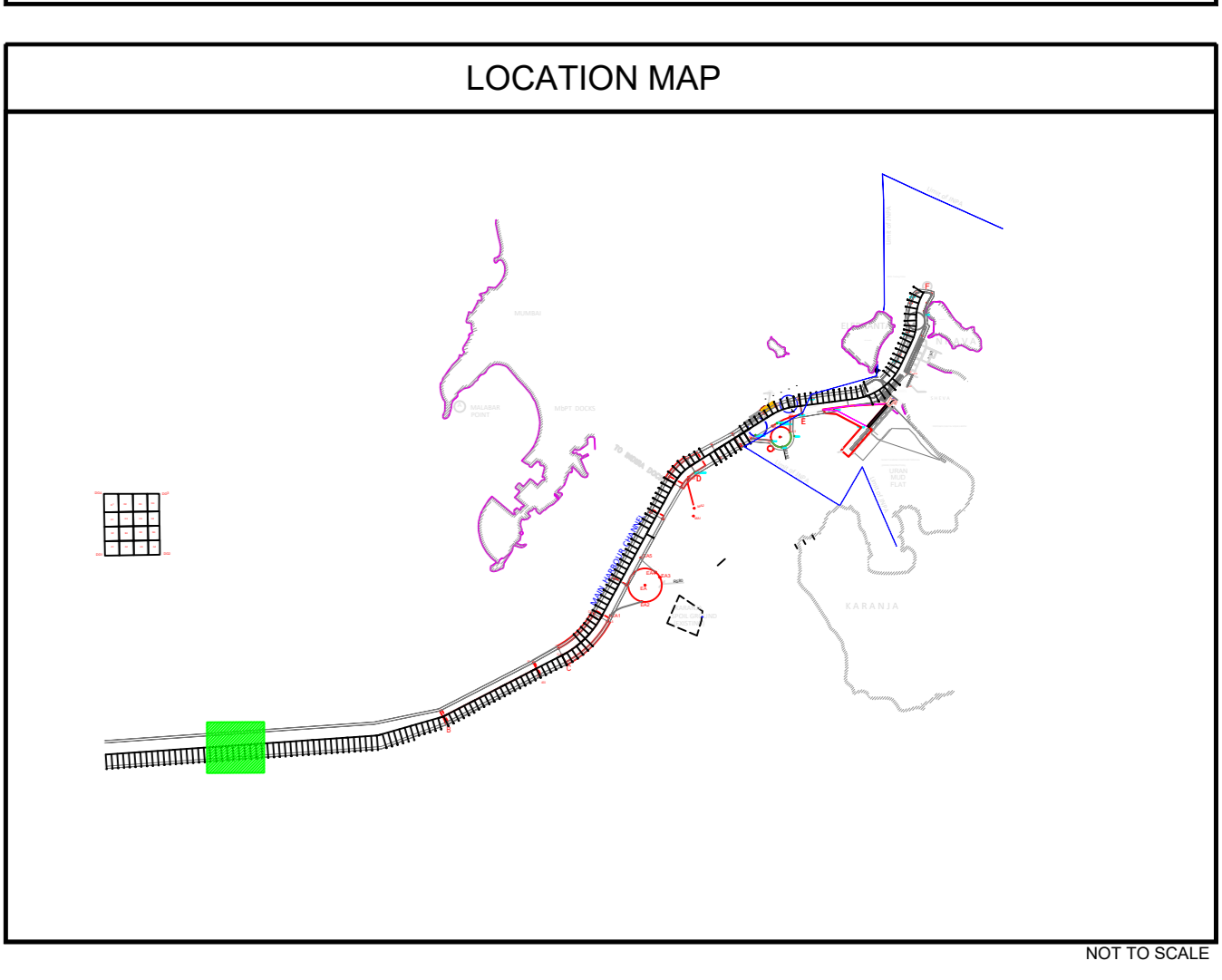
- NOTES:**
- SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'ME QUEEN'
  - POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTRUX POSITIONING SYSTEM
  - KONGBERG EMOHC MACHINIC ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
  - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT APJIA LANDING JETTY, BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
  - BENCH MARK AT APJIA LANDING JETTY (BOLLARD) IS 2.75m ABOVE CHART DATUM (BPX @ 6.70m, Sunk Rock @ 5.75m)
  - MOTION SENSOR ON TANKS WAS USED TO COMPENSATE SEA SWELL
  - SURVEY AREA COORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING
  - ALL JOINT POST SURVEYS WERE JOINTLY CARRIED OUT BETWEEN 'JNPA, IITM, CD & IDPL'
  - ALL PLOTTED DATA IN 10x10m GRID SIZE

**GEOETIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	WG84
GEOETIC DATUM	WG84
ELLIPSOID	WG84
Semi minor axis	6356732.14 m
Flattening	298.25722356
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	73° E (Zone 48)
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



**CLIENT**

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

**CONSULTANT**

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 CHENNAI - 600 036  
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**CONTRACTOR**

**DREDGING CORPORATION OF INDIA LIMITED**  
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**SUB-CONTRACTOR**

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**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)  
 CHANGE 03.600 - 05.2000**

**SCALE**

**HORIZONTAL SCALE 1 : 2000**

**VESEL** : ME QUEEN      **SURVEY DATE** : 16th, 18th & 19th May 2022      **AUTHORIZED SIGNATORY**

Rev. No.	Date	Description	Prepared	Checked	Approved	ITM/CD/IDPL	Manager
0	16-08-2022	Issued For Approval					

**DRAWING NO.** : 5940-SUR-PO-130A-B