

**LEGEND:**

**GENERAL**

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

Section E-F Maintained level: 14.40m (Without Tolerance)

**BATHYMETRY**

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

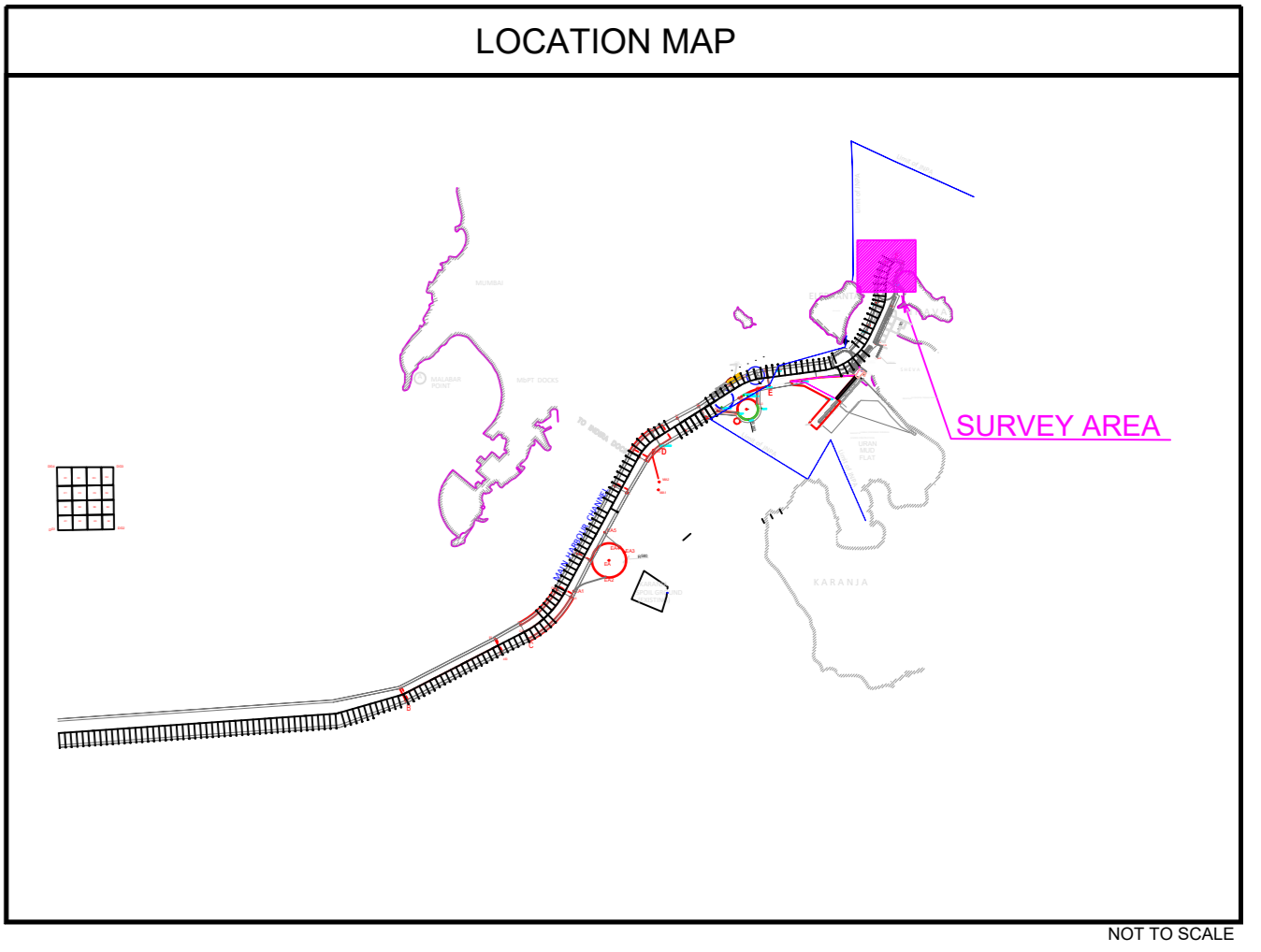
- NOTES:**
- SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
  - POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM
  - KONGSBERG EM2040C MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
  - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY. BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
  - BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 7.375 m ABOVE CHART DATUM. BPX = 6.70m, Sunk Rock = 5.783m
  - MOTION SENSOR OCTANS 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 - JNPA, IITM, DC & ISDPL
  - ALL PLOTTED DATA IN 10x10 m GRID SIZE

**GEODETTIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEOID DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356752.314 m
Inverse Flattening	298.2572236
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	75° E (Zone 43)
Latitude of Origin	0°
Fake Northing	0 m
Scale factor at CM	0.99960

**REFERENCE DRAWINGS**

Rev. No.	Date	Drawing No.	Description



**CLIENT**

**JAWAHARLAL NEHRU PORT AUTHORITY**

ADMINISTRATION BUILDING,  
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NAVI MUMBAI - 400 707  
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**CONSULTANT**

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**CONTRACTOR**

**DREDGING CORPORATION OF INDIA LIMITED**

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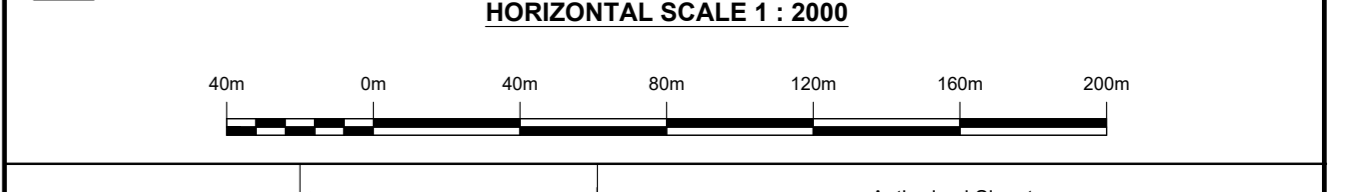
**SUBCONTRACTOR**

**INTERNATIONAL SEAPORT DREDGING PVT LTD.**

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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 E-F  
CHANNELS 34.600 - 35.400**



Version: ME QUEEN Survey Date: 2nd May 2022 Authorized Signatory

Rev. No.	Date	Description	Prepared By	Checked By	Approved By	Scale	Sheet No.	Total Sheets
0	03-05-2022	Issue For Approval						

Drawing No: 5945-SUR-PO-109-E1F


**DATUM: WGS84, CM-75, ZONE-43**

**JNPA TURNING CIRCLE CENTRE POINT**

RS 300M, D800M

EASTING	NORTHING	LATITUDE	LONGITUDE
254007.978 E	2096888.246 N	18°58'10.4" N	072°56'03.7" E

MAINTAINED DEPTH IN NAVIGATIONAL CHANNEL (E-F) 14.40 m BELOW CHART DATUM