

**LEGEND:**

**GENERAL**

- UTM GRID INTERSECTION (WGSS4)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETER POST
- MATCH LINE
- TOE LINE OF CHANNEL

Section A-B Maintained level: 15.60m (+15 on Tolerance)

**BATHYMETRY**

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

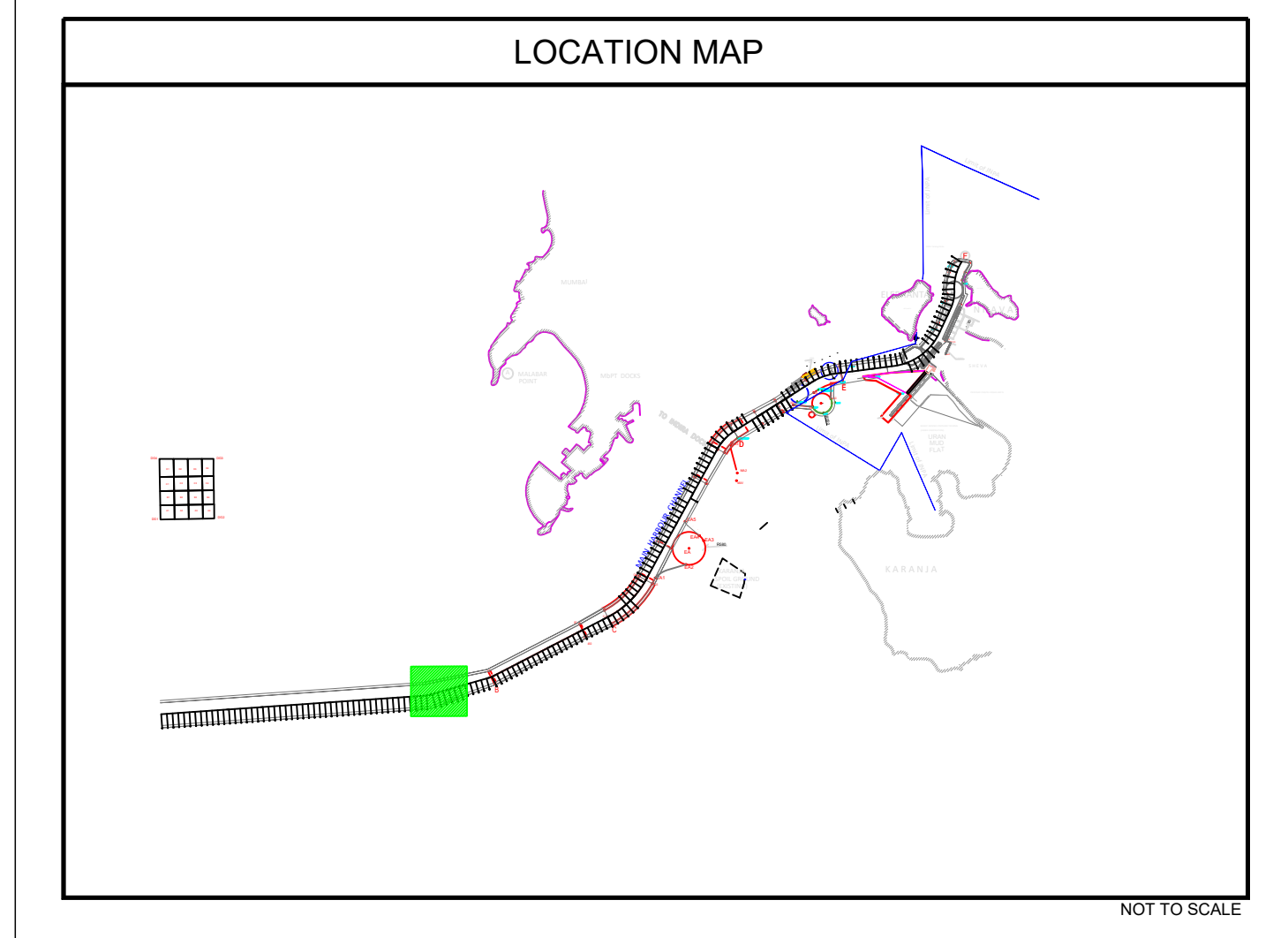
- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
  - 2) POSITION FIXING WAS CONTROLLED FROM SATELLITE POSITIONING SYSTEM.
  - 3) KONGSBERG ENDURANT MULTIBEAM ECHOSOUNDER WAS EMPLOYED TO CARRY OUT MEAS SURVEY.
  - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE WAS APPLIED AT JAWAHAR LINGDI JETTY, BFK AND DUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
  - 5) BENCH MARK AT JAWAHLINGDI JETTY (BOLLARD) IS 3.73m ABOVE CHART DATUM. B.P.M. = 6.70m, Sunk Rock = 5.73m.
  - 6) MOTION SENSOR OBTAINS WAS USED TO COMPENSATE SEA SWELL.
  - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN A CAD DRAWING.
  - 8) ALL JOINT POST SURVEYS CARRIED OUT JOINTLY BETWEEN -JNPA, NTPCW (JTM, DO & ISPL).
  - 9) ALL PLOTTED DATA IN 10m X 10m GRID SIZE.

**GEODEIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	WGSS4
GEODEIC DATUM	WGSS4
ELLIPSOID	WGSS4
Semi-major axis	6378137.000 m
Semi-minor axis	6356583.14 m
Inverse flattening	298.2572236
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	75° E (Zone 43)
Latitude of Origin	0°
Fake Northing	500000 m
False Easting	0 m
Scale factor at CM	0.99960

**REFERENCE DRAWINGS**

Rev. No.	Date	Drawing No.	Description



**CLIENT**

**JAWAHARLAL NEHRU PORT AUTHORITY**

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**CONSULTANT**

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**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 A-B)**

**CHANNEL: 09.000 - 10.800**

**SCALE**

**HORIZONTAL SCALE 1 : 2000**

**DATE**

Vessel: ME QUEEN  
Survey Date: 28th to 31st Mar to 02 Apr 2023  
Authorized Signatory

Rev. No.	Date	Description	Checked	Drawn	Approved	Checked	Drawn	Approved
0	03-04-2023	Issue For Approval						

Drawing No: 590EX-SUR-PO-131-A8

Chart

End

P:Seo