

**LEGEND:**

**GENERAL**

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

**BATHYMETRY**

- WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'ME QUEEN'
  - 2) POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM.
  - 3) KONGBERG ECHOSOUND MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT WREES SURVEY.
  - 4) 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.
  - 5) BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 3.75 m ABOVE CHART DATUM. BPX = 6.70m, Sunk Rock = 5.750m.
  - 6) MOTION SENSER OCTANE WAS USED TO COMPENSATE SEA SWELL.
  - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
  - 8) ALL JOINT POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, ATPWC (DM), DCI & ISDL.
  - 9) ALL PLOTTED DATA IN 10m X 10m GRID SCALE.

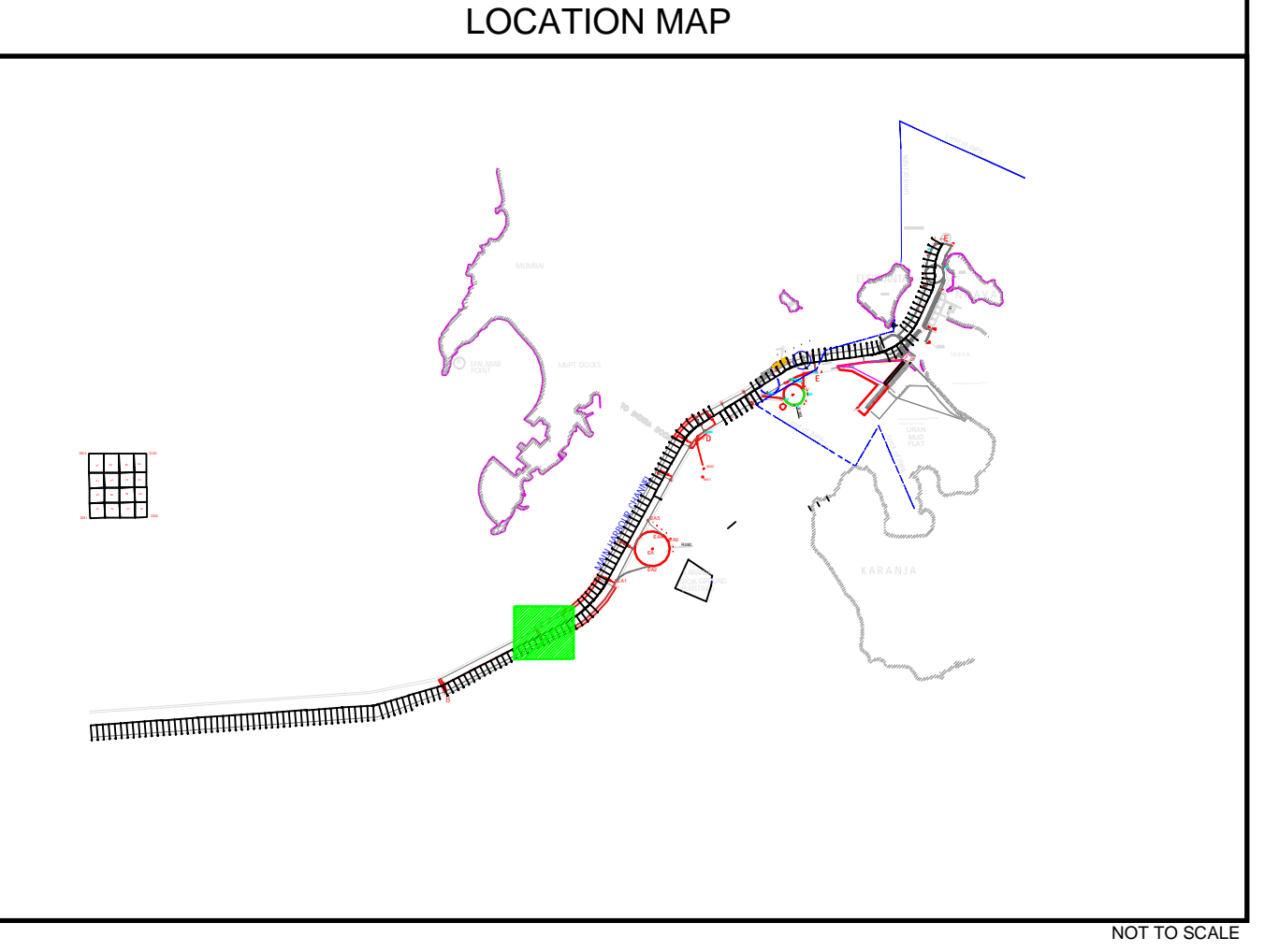
**GEODETTIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODETTIC DATUM	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 45)
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

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**CLIENT**

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**PROJECT**

**JOINT POST SURVEY - 2025**

**MULTI-BEAM BATHYMETRY SURVEYS**

**IN NAVIGATIONAL AREA OF JN PORT**

**NAVI MUMBAI & MUMBAI PORT CHANNEL**

**WEST COAST OF INDIA**

**FY 2024-25**

**BATHYMETRY CHART (SECTION B-C)**

**CHINAAGE 14.600 - 16.400**

**SCALE**

**HORIZONTAL SCALE 1 : 2000**

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

Vessel 'ME QUEEN' Survey Date: 04 & 05 Apr 2025 Authorized Signatory

Rev. No.	Date	Description	ISSUED	APPROVED	APPROVED	APPROVED
0	12-04-2025	Issued For Approval	ISSUED	APPROVED	APPROVED	APPROVED

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Chart P.Siw: AP