

LEGEND:

GENERAL

- UTM GRID INTERSECTION (WG84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRE POST
- MATCH LINE
- TOE LINE OF CHANNEL

Section JNPA Anchorage Area Design Depth : 11.20m (Without Tolerance)

Section DE Design Depth : 14.40m (Without Tolerance)

BATHYMETRY

WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

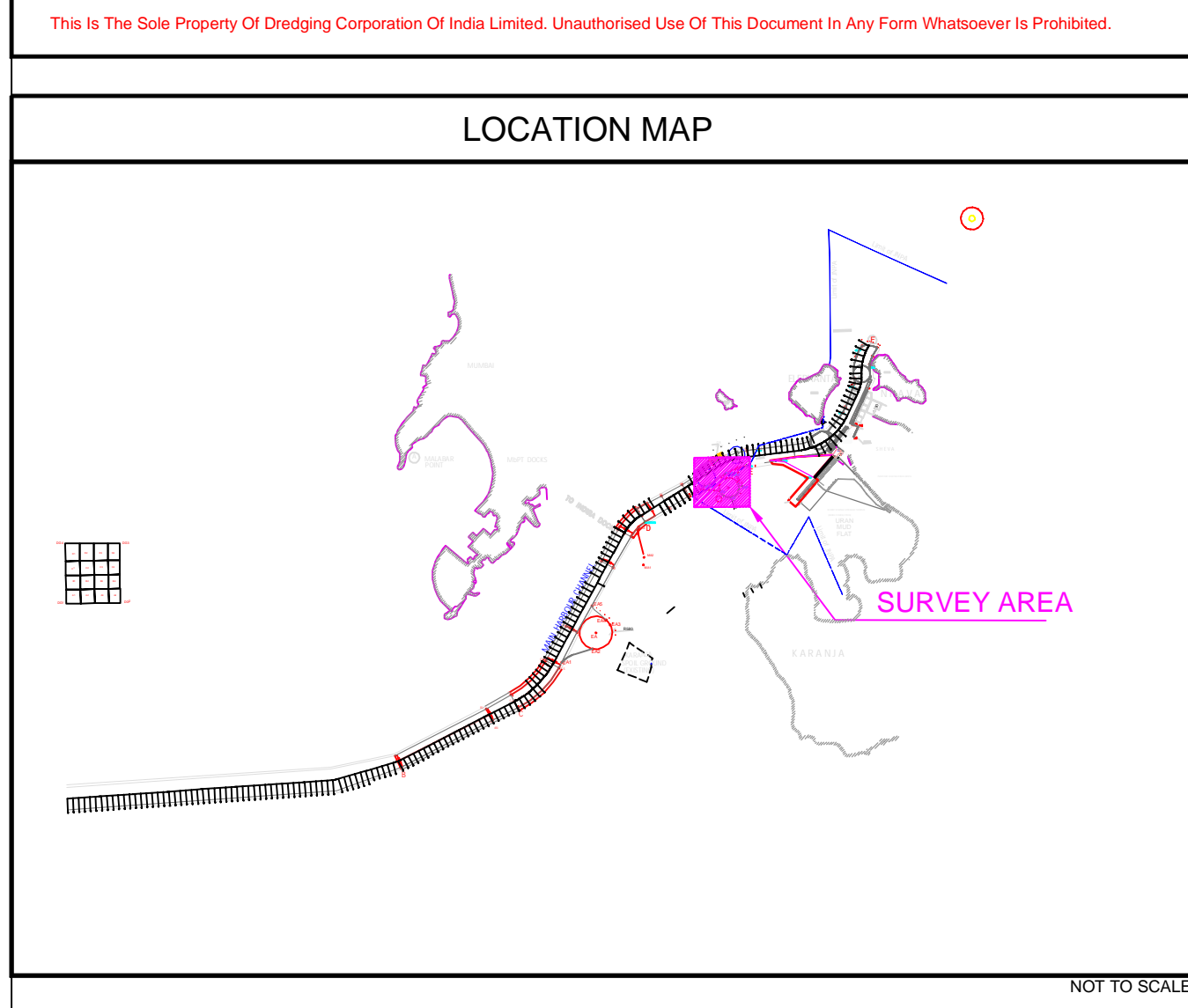
- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
 - 2) POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM.
 - 3) KONGSBERG EM6040C MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
 - 4) ORIGIN OF LINE FROM AUTOMATICALLY IS NOT INSTALLED AT JNPA LANDING JETTY. BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - 5) BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 3.735 ABOVE CHART DATUM. BPX = 6.70m, Sunk Rock = 5.783m.
 - 6) MOTION SENSOR OBTAINS WAS USED TO COMPENSATE SEA SWELL.
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
 - 8) ALL JNPA POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTPCW (ITM, DC) & ISPL.
 - 9) ALL PLOTTED DATA IN 10m x 10 m GRID SIZE.

GEODETTIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WG84
GEODETTIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356752.314 m
Inverse flattening	298.2572226
PROJECTION	Universal Transverse Mercator
Central Meridian (GCM)	75° E (Zone 49)
Latitude of Origin	0°
Fake Easting	500000 m
Fake Northing	0 m
Scale factor at CM	0.99960

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description
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CLIENT

JAWAHARLAL NEHRU PORT AUTHORITY

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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 JNPA Anchorage Area & DE Section)
CHAINAGE 27.000 - 27.400

SCALE

HORIZONTAL SCALE 1 : 2000

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

Vessel : ME QUEEN	Survey Date : 28-29 Mar & 18 Apr 2025	Authorized Signatory
Rev. No:	Date:	Description:
0	17-04-2025	Issued For Approval
Drawing No:		
6148-24-SUR-PO-119-JNPA		
Chart	End	P. S. B. A. O.