

LEGEND:

GENERAL

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

Section DE Anchorage Area Maintained level: 11.20m (Without Tolerance)

Section DE Section Maintained level: 14.40m (Without Tolerance)

BATHYMETRY

- WATER DEPTH IN METRES & DECIMITRES BELOW CHART DATUM

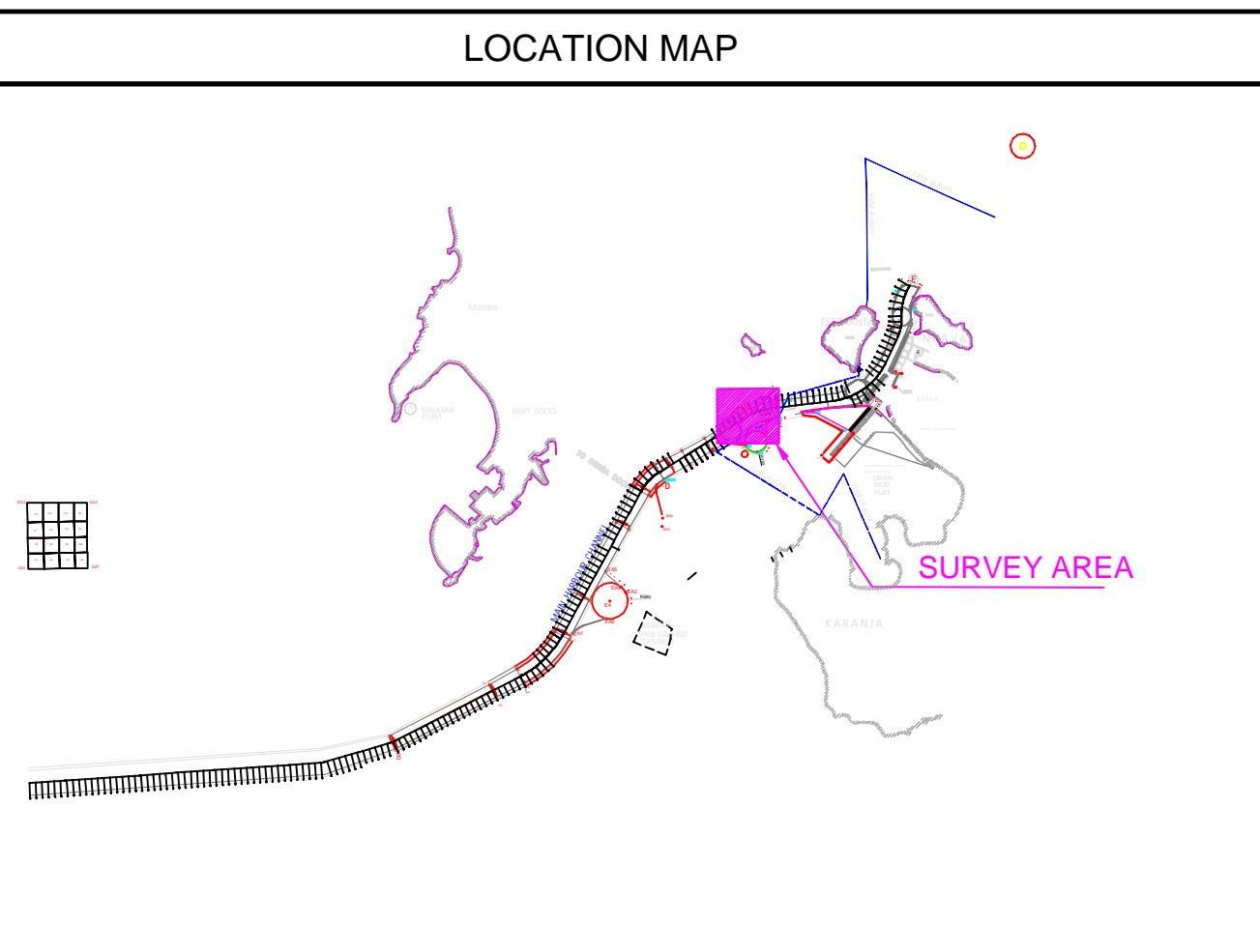
- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
 - 2) POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTRON POSTIONING SYSTEM.
 - 3) KONGSIDER ECHODOP MULTIBeam ECHODOPSONAR WAS DEPLOYED TO CARRY OUT MEES SURVEY.
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY, WPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - 5) BENCH MARK AT JNPA LANDING JETTY (BOLLARDS IS 7375 ABOVE CHART DATUM, BPL - 6.70m, Spunk Rock = 5.873m).
 - 6) MOTION SENSOR OBTAINS WAS USED TO COMPENSATE SEA SWELL.
 - 7) SURVEY AREA COORDINATES WERE PROVIDED BY THE CLIENT IN ACCORDING JAWA HARLAL NEHRU PORT SURVEYS WHERE JOINTLY CARRIED OUT IN JNPA, NTPCW (ITM), DCI & ISPL.
 - 8) ALL PLOTTED DATA IN 10m x 10m GRID SIZE.

GEODETIC PARAMETERS

HORIZONTAL COORDINATE SYSTEM	WGS84
GEODETIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.0 m
Semi minor axis	6356752.314 m
Inverse Flattening	298.2572226
PROJECTION	Universal Transverse Mercator
Central Meridian (Easting)	75° E (Zone 48)
Latitude of Origin	0°
Fake Easting	500000 m
False Northing	0
Scale Factor	0.99999

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description



CLIENT

JAWAHARLAL NEHRU PORT AUTHORITY

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PROJECT

JOINT POST SURVEY-2024
MULTI-BEAM BATHYMETRY SURVEYS
IN NAVIGATIONAL AREA OF JN PORT
NAVI MUMBAI & MUMBAI PORT CHANNEL
WEST COAST OF INDIA
FY 2023-24

BATHYMETRY CHART (SECTION JNPA Anchorage Area & DE Section)
CHANGAGE 27,000 - 27,400

SCALE

HORIZONTAL SCALE 1 : 2000

40m 80m 120m 160m 200m

Vessel: ME QUEEN	Survey Date: 10-Apr-2024	Authorized Signatory
Rev. No.	Date	Description
0	11-Apr-2024	Issued For Approval

Drawing No: 6148-SUR-PO-107-JNPA

Chart: Ent: P. See: AD