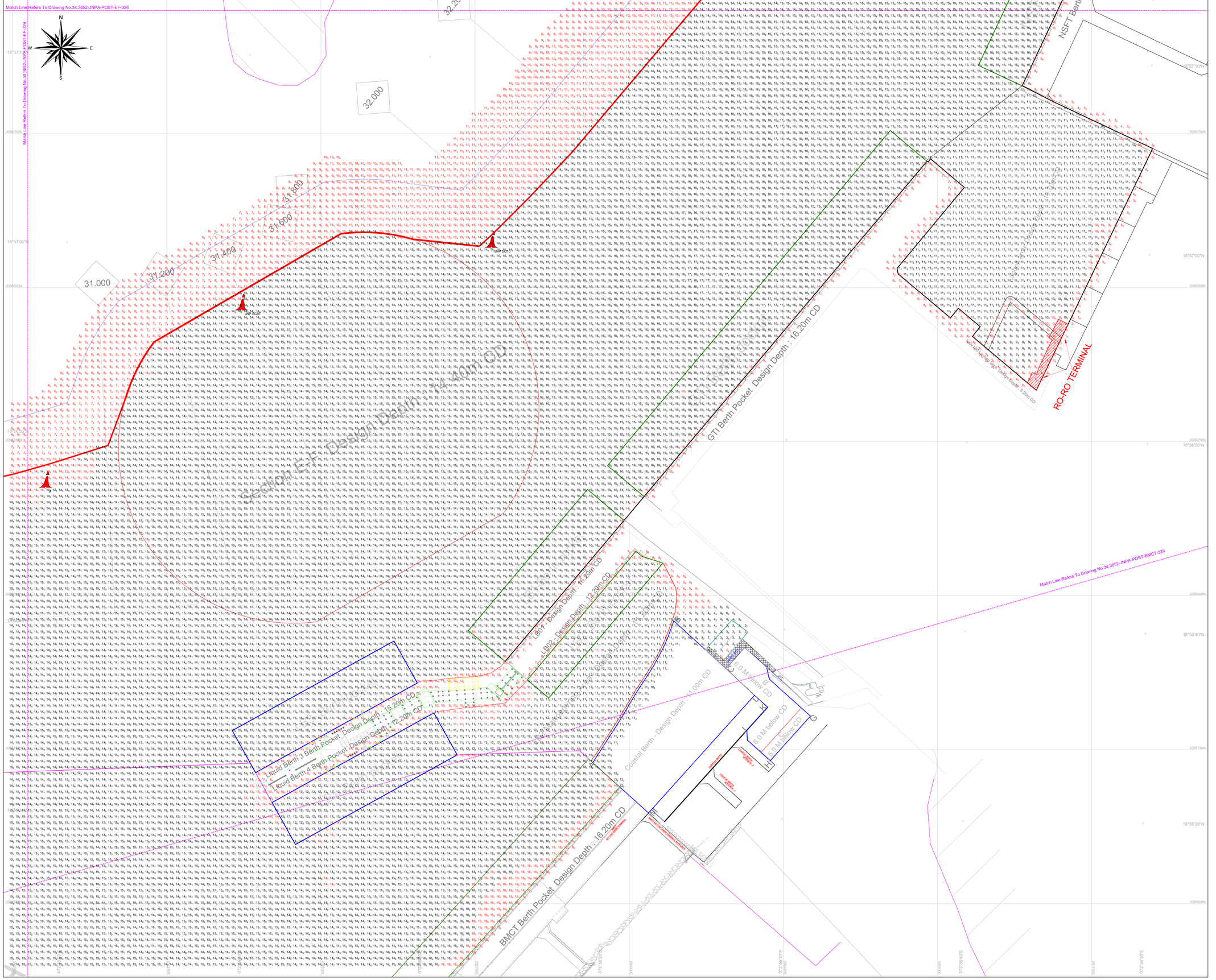


LEGEND:

GENERAL

- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- 30.800 — KILOMETRE POST
- MATCH LINE
- TOE LINE OF CHANNEL
- 10 — Bathymetry (Below Design Depth)
- 10 — Bathymetry (Above Design Depth)

WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

Section E-F Design Depth : 14.40m (Without Tolerance)
E-F Berth Pockets Design Depth : 16.20m (Without Tolerance)
LB3 Berth Pocket Design Depth : 15.20m (Without Tolerance)
LB4 Berth Pocket Design Depth : 12.20m (Without Tolerance)
LB2 Berth Pocket Design Depth : 12.20m (Without Tolerance)
LB2 Manoeuvring Area Design Depth : 11.20m (Without Tolerance)
A. Coastal berth Sea Side Design Depth : 11.00m (Without Tolerance)
B. Coastal berth Shore Side Design Depth : 6.00m (Without Tolerance)
C. Coastal berth Shore Side Design Depth : 5.00m (Without Tolerance)
Landing Jetty Design Depth: 3.00m (Without Tolerance)
Lagoon & Box Area Design Depth : 10.70m/9.20m (Without Tolerance)
BMCT Area Design Depth : 14.40m (Without Tolerance)
BMCT Berth Pocket : 16.20m (Without Tolerance)

NOTES:

1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
2) POSITION FIXING WAS CONTROLLED BY POS MV INS POSITIONING SYSTEM.
3) NORBIT iWMBS MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES 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 7.375 m ABOVE CHART DATUM. BPX = 6.70m, SUNK ROCK = 5.793m.
6) POS MV IMU WAS USED TO COMPENSATE SEA SWELL.
7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
8) ALL POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTCPWC (IITM), DCI & VOIPL.
9) ALL PLOTTED DATA IN 10m x10m GRID SIZE.

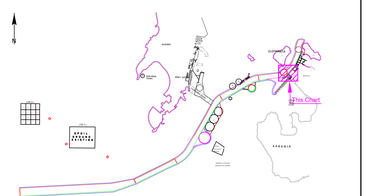
GEODETIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	:	WGS84
GEODETIC DATUM	:	WGS84
ELLIPSOID	:	WGS84
Semi major axis	:	6378137.000 m
Semi minor axis	:	6356752.314 m
Inverse flattening	:	298.257223563
PROJECTION	:	Universal Transverse Mercator
Central Meridian (CM)	:	75° E (Zone 43)
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:

LOCATION MAP



CLIENT

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PROJECT

JOINT POST DREDGE SURVEY-MAY 2026 MULTI-BEAM BATHYMETRY SURVEYS IN NAVIGATIONAL AREA OF JN PORT NAVI MUMBAI & MUMBAI PORT CHANNEL WEST COAST OF INDIA FY 2025-26

BATHYMETRY CHART SECTION E - F
CHAINAGE 30.900 - 32.700

SCALE

SCALE 1:2000
0.0 m. 100.0 m. 200.0 m.

Vessel : ME QUEEN | Survey Date : 15 to 18 May 2026 | Authorized Signatory

Rev. No.	Date	Description						
0	22/05/2026	Issued For Approval						
			VOIPL	DCI	NTCPWC	JNPA	JNPA	JNPA

Drawing No: 34.3652-JNPA-POST-EF-325 | Chart: | Encl: | P.Size: A0