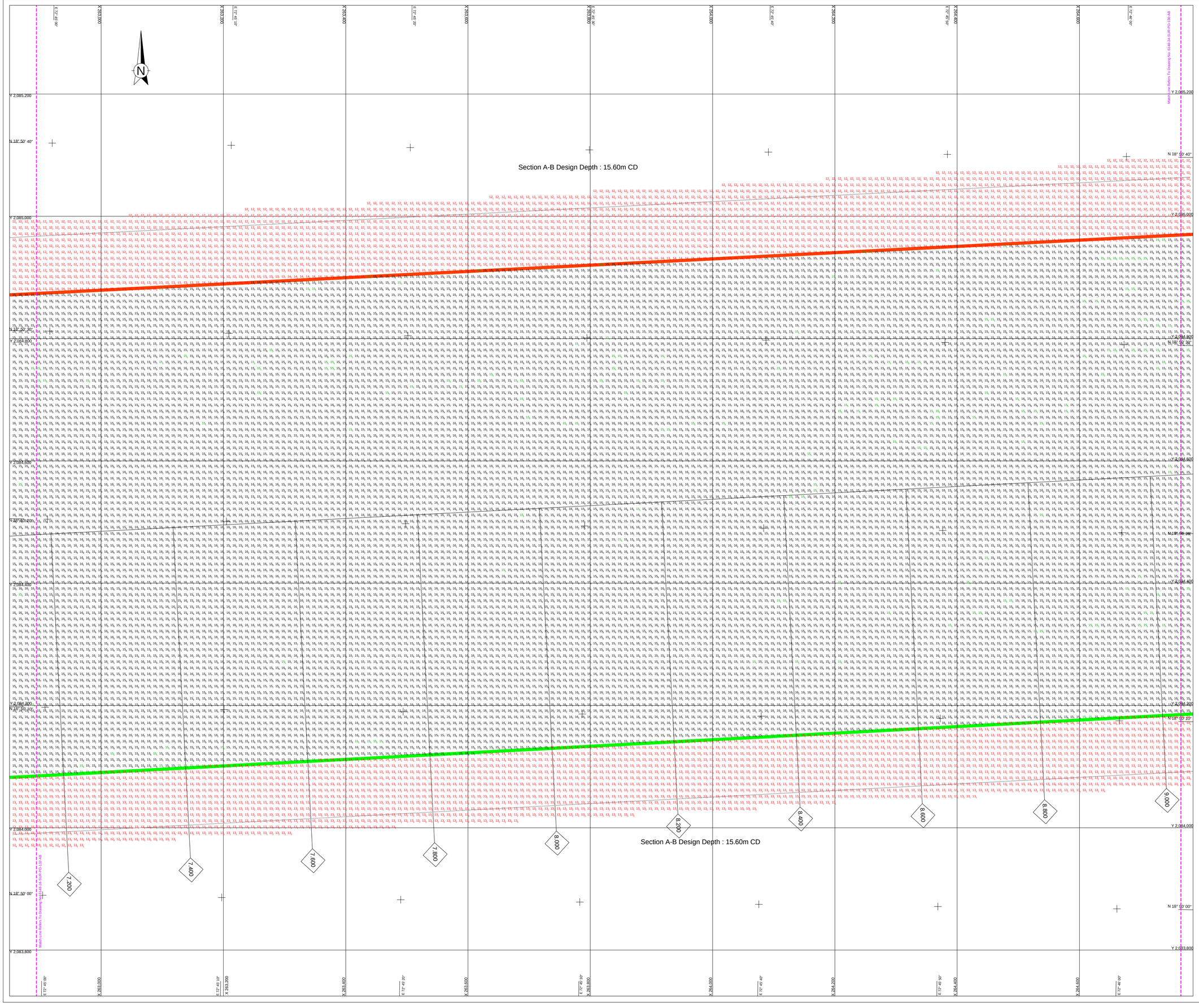

LEGEND:

GENERAL

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

Section A-B Design Depth : 15.60m (Without Tolerance)

BATHYMETRY

10_0 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 ASTERX POSITIONING SYSTEM.
3) KONGSBERG EM2040C 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 = 5.783m.
6) MOTION SENSOR OCTANS 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, NTCPWC (IITM), DCI & ISDPL.
9) ALL PLOTTED DATA IN 10m x 10m 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	298.2572236
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:

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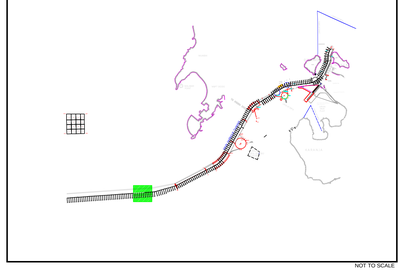
LOCATION MAP



NOT TO SCALE

CLIENT

JAWAHARLAL NEHRU PORT AUTHORITY

ADMINISTRATION BUILDING,
SHEVA,
NAVI MUMBAI - 400 707

Tel. : 022 6781 4156/ 6781 4154 , Fax.: 022 6781 4178

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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 A-B)
CHAINAGE 07.200 - 09.000

SCALE

HORIZONTAL SCALE 1 : 2000

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

Vessel : ME QUEEN | Survey Date :07 Apr 2025 | Authorized Signatory

Rev. No:	Date:	Description:							
0	12-04-2025	Issued For Approval	ISDPL	ISDPL	DCI	NTCPWC IIT MADRAS	JNPA	JNPA	JNPA

Drawing No:
6148-24-SUR-PO-131-AB

Chart: | End: | P.Size: A0