



LEGEND:

GENERAL

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

Section C-D Design Depth : 14.60m (Without Tolerance)

BATHYMETRY

WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

NOTES:

- SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
- POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM.
- KONINGSBERG ECHOSOUNDER WAS DEPLOYED TO CARRY OUT BEES SURVEY.
- OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY. BPS AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
- BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 2.735 m ABOVE CHART DATUM. BPS = 6.70m, Sunk Rock = 5.70m.
- MOTION SENSOR OCTANS WAS USED TO COMPENSATE SEA SWELL.
- SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
- ALL JOINT POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN JNPA, NTPCW (ITM), C&I & ISDPL.
- ALL PLOTTED DATA IN 10m x10m GRID SIZE.

GEODETTIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	: WG84
GEODETTIC DATUM	: WG84
ELLIPSOID	: 6378137.000 m
Semi minor axis	: 6356573.14 m
Inverse flattening	: 298.2572236
PROJECTION	: Universal Transverse Mercator
Central Meridian (CM)	: 72° 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
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PMC

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CONTRACTOR

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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 C-D)
CHINAAGE 22 000 - 23 400**

SCALE

HORIZONTAL SCALE 1 : 2000

Vessel "ME QUEEN"	Survey Date : 31 Mar 2025	Authorized Signatory
Rev. No:	Date:	Description:
0	12-04-2025	Issued For Approval
		ITM (ITM)
		JNPA
		APP
		APP
		APP

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