LEGEND:

GENERAL

- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- 50.800 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 D-E Design Depth : 14.40m (Without Tolerance)
- JNP Anchorage Design Depth : 11.20m (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 = 5.783m.
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.

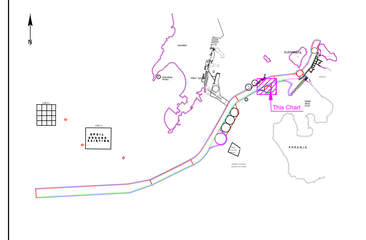
GEODETIC PARAMETERS

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

JAWAHARLAL NEHRU PORT AUTHORITY

ADMINISTRATION BUILDING,
SHEVA,
NAVI MUMBAI - 400 707
Tel. : 022 6781 4156/ 6781 4154 , Fax.: 022 6781 4178

PMC

NATIONAL TECHNOLOGY CENTRE FOR PORTS WATERWAYS AND COASTS
IIT MADRAS
CHENNAI - 600 036
TEL: +91 44 22578915

CONTRACTOR

DREDGING CORPORATION OF INDIA LIMITED
DREDGE HOUSE, HB COLONY MAIN ROAD,SEETHAMMADHARA,
VISAKHAPATNAM - 530 022
ANDHRA PRADESH STATE, INDIA
TEL: +91 0891-2523250 - +91 0891-2871230

SUB-CONTRACTOR

VAN OORD INDIA PRIVATE LIMITED
201, 2ND FLOOR CENTRAL PLAZA
166, C S T ROAD, KALINA
MUMBAI - 400 098
TEL : +91 22 6901 7900

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 JNP ANCHORAGE

SCALE

SCALE 1:2000

0.0 m. 100.0 m. 200.0 m.

Vessel : ME QUEEN | Survey Date : 11,19 & 25 May 2026 | Authorized Signatory

Rev. No.	Date	Description						
0	25/05/2026	Issued For Approval						
			VOIPL	DCI	NTCPWC	JNPA	JNPA	JNPA

Drawing No:
34.3652-JNPA-POST-JNPA-323

Chart: | Encl: | P.Size: A0

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