



LEGEND:

GENERAL

- 1:1 M GRID INTERSECTION (WGS84)
- GEOMETRIC GRID INTERSECTION (WGS 84)
- KILOMETRE POST
- MATCH LINE
- TOE LINE OR CHANNEL
- Bathymetry (Bathymetry Depth)
- WATER DEPTH IN METRES & DECIMETRES BELLOW CHART DATUM
- Section C-D Design Depth: 14.60m (Without Tolerance)

NOTES:

- SURVEY WAS CARRIED OUT BY SURVEY VESSEL "MR QUEEN"
- POSITION FIXING WAS CONTROLLED BY ROSS GPS POSITIONING SYSTEM
- ROBERT JAMES MULTIBEAM ECHOSOUNDING WAS EMPLOYED TO CARRY OUT BATHYMETRY
- OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANA LANDING JETTY, B'KX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
- BENCH MARK AT ANA LANDING JETTY (BOLLARD) IS 7.375 ABOVE CHART DATUM. B'KX - 6.20m, SUNK ROCK - 5.70m
- ROSS W/ WAU WAS USED TO COMPENSATE SEA SWELL
- SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACD DRAWING
- ALL POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - ANA NTPCW (ITM), DCI & VOPL
- ALL PLOTTED DATA IN 0.1m GRID SIZE

GEODETIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODETIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356583.214 m
Inverse flattening	298.25722210
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	79° E (Zone 43)
Latitude of Origin	0°
Falsc Easting	6000000 m
False Northing	0 m
Scale factor at 0°	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 4569/6781 4154, Fax: 022 6781 4178

PMC:
NATIONAL TECHNOLOGY CENTRE FOR PORTS WATERWAYS AND COASTS IIT MADRAS
 CHENNAI - 600 038
 TEL: +91 44 22578915

CONTRACTOR:
DREDGING CORPORATION OF INDIA LIMITED
 DREDGE HOUSE, HB COLONY MAIN ROAD, SEETHAMMAHARA,
 VISHAKHAPATNAM - 530 022
 ANDHRA PRADESH STATE, INDIA
 TEL: +91 0891-2523250 - 991 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 SECTION C - D
 CHANGE 17.400 - 18.900**

SCALE

SCALE 1:2000

0m 100m 200m

Vessel: MR QUEEN	Survey Date: 08 May 2026	Authorized Signatory
Rev. No.	Date	Description
0	14/05/2026	Issued For Approval
Drawing No:	VOPL DCI NTPCW JNPA JNPA JNPA	Chart
34.3652-JNPA-POST-CD-315		End
		P-50 End