

LEGEND:

GENERAL

- 1: 1M GRID INTERSECTION (WGSM)
- 2: GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- 3: KILOMETRE POST
- 4: MATCH LINE
- 5: TOE LINE OF CHANNEL
- 6: Bathymetry (Bathym Design Depth)
- 7: WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM
- 8: Section A-B Design Depth : 15.60m (Without Tolerance)
- 9: Section B-C Design Depth : 15.40m (Without Tolerance)

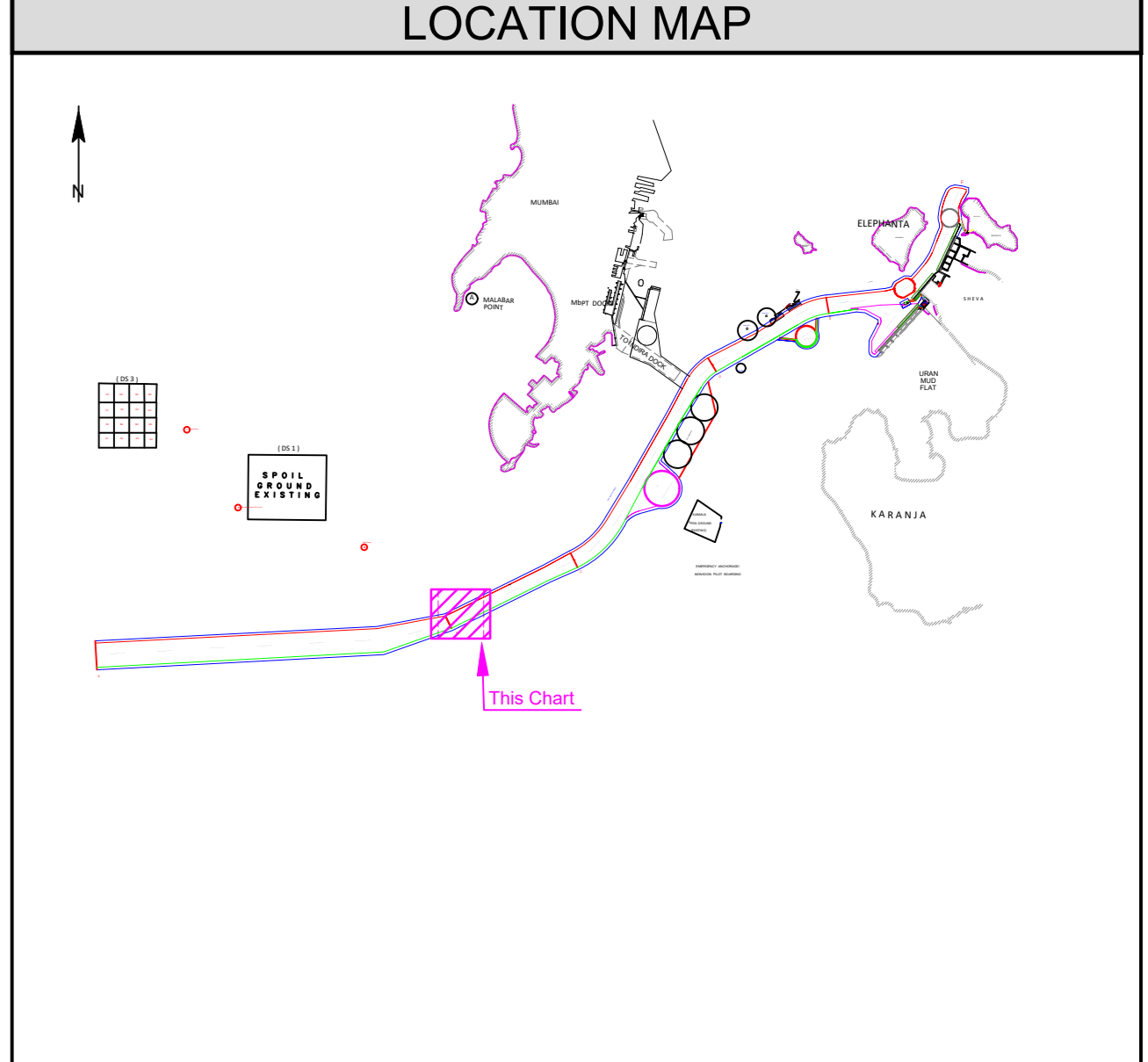
- ### NOTES:
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "MR QUEEN"
 - 2) POSITION FIXING WAS CONTROLLED BY POS-MIP AND POSITONSING SYSTEM
 - 3) NORBIT AMMS MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JAPA LANDING JETTY. BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - 5) BENCH MARK AT JAPA LANDING JETTY (BOLLARD) TO 3.725m ABOVE CHART DATUM. BPX = 6.70m. BUNK ROCK = 9.930m.
 - 6) POS-MIP WAS USED TO COMPENSATE SEA SWELL.
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACPD FORMAT.
 - 8) ALL POST SURVEY ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NCTPCWC (ITM), DCI & VOPL.
 - 9) ALL PLOTTED DATA IN 5m x 5m GRID SIZE.

GEODEIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODEIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356573.214 m
Inverse flattening	298.257223603
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	79° E (Zone 48)
Latitude of Origin	0°
Falset Esting	0.000000 m
False Northing	0.0 m
Scale factor at CM	0.999600

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description



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 - +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-APRIL 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 A-8 & B-C
CHANGING 11.400 - 11.800 A-B & 11.800 - 13.200 B-C**

SCALE

SCALE 1:2000

0m 100m 200m

Vessel: MR QUEEN	Survey Date: 18th & 19th-Apr-2026	Authorized Signatory
Rev. No.	Date	Description
0	20/04/2026	Issued For Approval
Drawing No:	VOPL DCI NCTPCWC JNPA JNPA JNPA	Chart
34.3652-JNPA-POST-BC-306	End	P-Size AD