

LEGEND:

GENERAL

- 1:1M GRID INTERSECTION (WGS84)
- 2: GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- 3: KILOMETRE POST
- 4: MATCH LINE
- 5: TIDE LINE OR CHANNEL
- 6: Bathymetry (Boltz Design Depth)
- 7: WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM
- 8: Section B-C Design Depth : 15.40m (Without Tolerance)

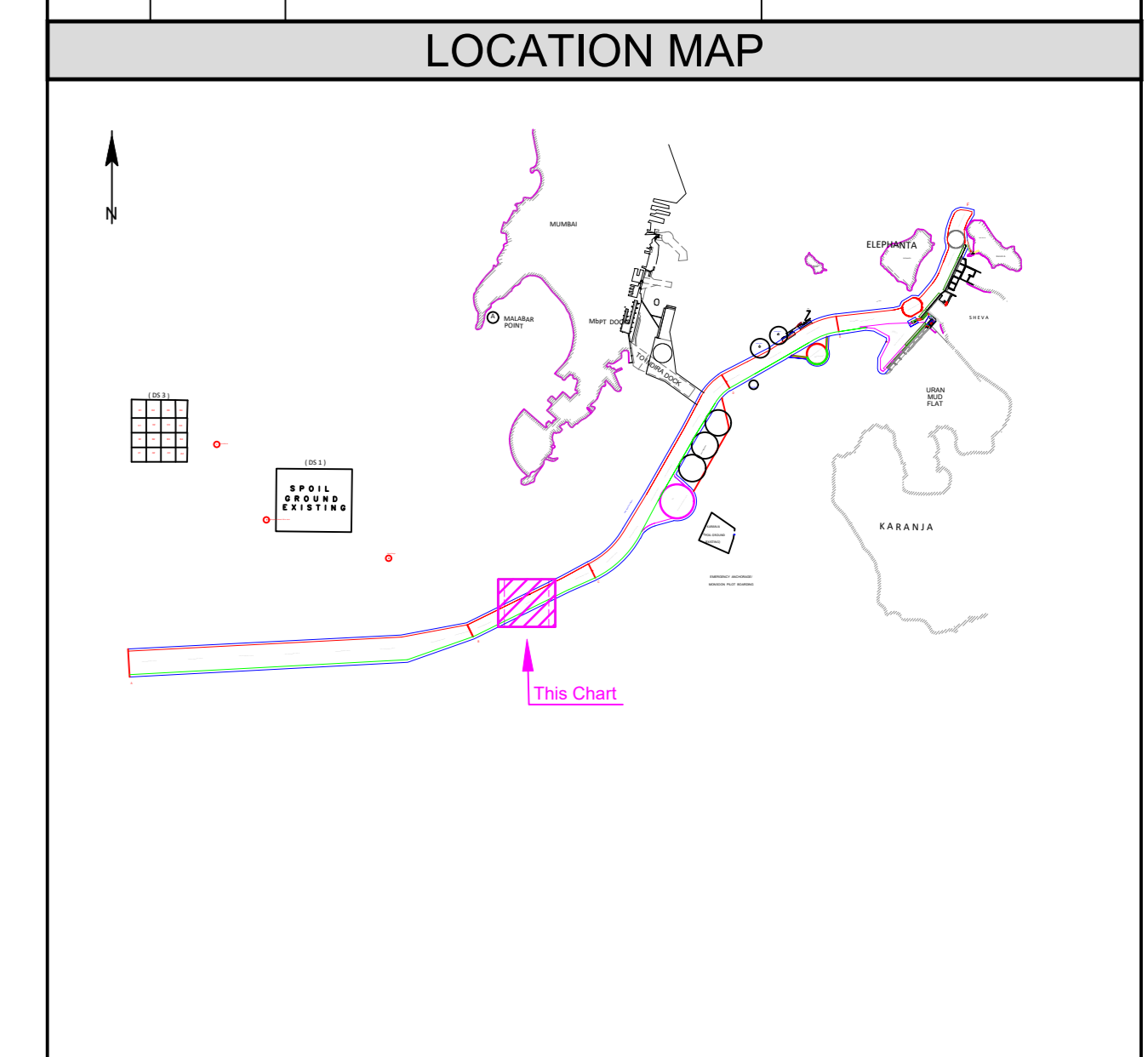
- ### NOTES:
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'MR QUEEN'
 - 2) POSITION FIXING WAS CONTROLLED BY GPS AND POSITIONING SYSTEM
 - 3) NORBIT 'MMMS MULTIBEAM ECHOSOUNDER' WAS DEPLOYED TO CARRY OUT BEES SURVEY
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY. BXP AND SUNK ROCK WERE USED FOR RECORDING RAW WATER DEPTH TO CHART DATUM
 - 5) BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 7.375 ABOVE CHART DATUM. BXP - 6.20m, BUNK ROCK - 9.90m
 - 6) PDSBY 'MUV' WAS USED TO COMPENSATE SEA SWELL
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN A CAD DRAWING
 - 8) ALL POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTPCW, DCI & VOPL
 - 9) ALL PLOTTED DATA IN 5'x10' GRID SIZE

GEODEIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODEIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356752.314 m
Inverse flattening	298.257222101
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	70° E (Zone 43)
Latitude of Origin	0°
Falsc Easting	0°
Scale factor at CM	0.99960

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

PMS 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 B - C
CHANGING 13.200 - 14.800**

SCALE SCALE 1:2000

Vessel: MR QUEEN	Survey Date: 19th & 19th-Apr-2026	Authorized Signatory
Rev. No.	Date	Description
0	20/04/2026	Issued For Approval
Drawing No:	VOPL DCI NTPCW JNPA JNPA JNPA	Chart
34.3652-JNPA-POST-BC-305		End P-Size AD