

LEGEND:

GENERAL

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

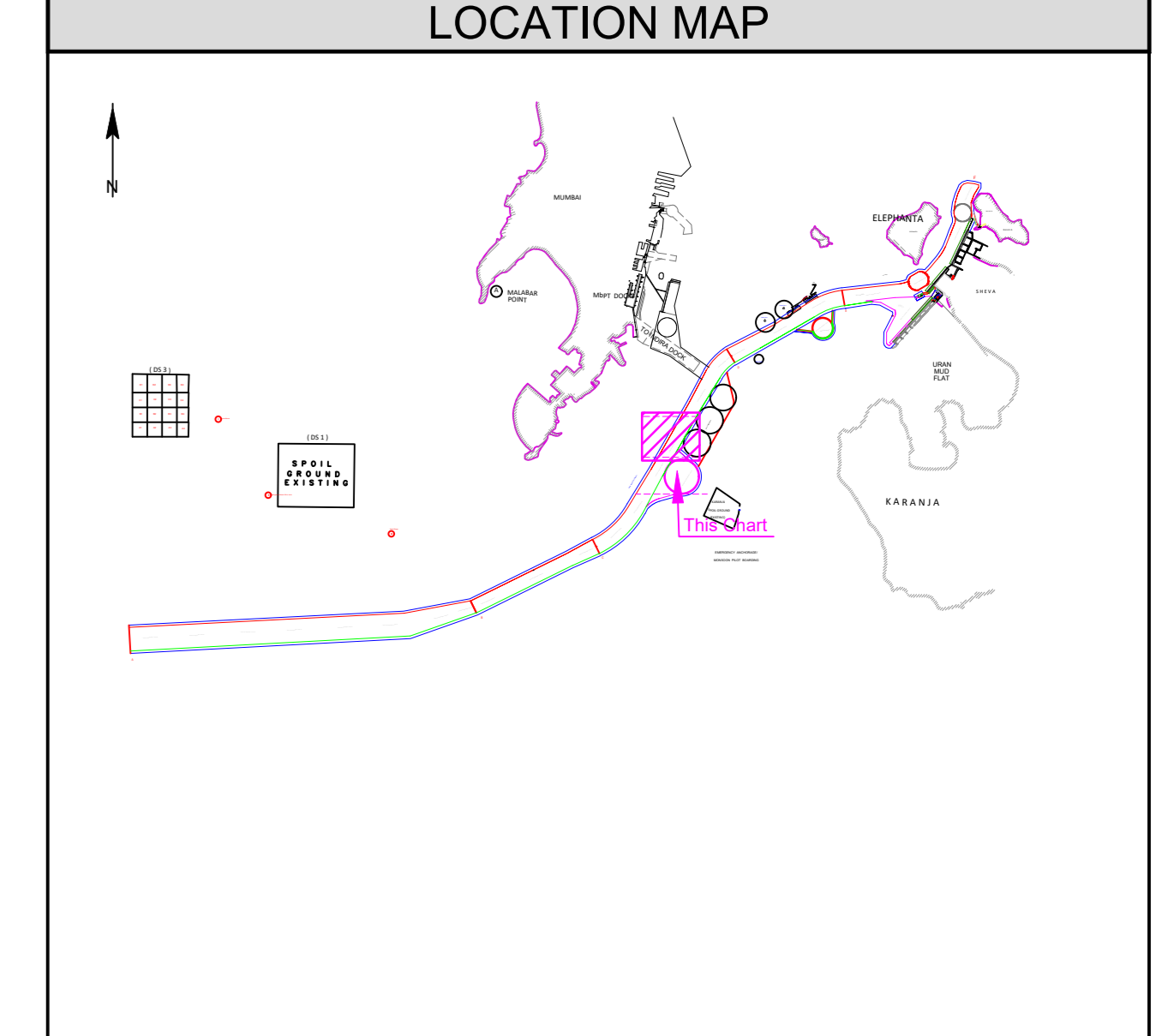
- ### NOTES:
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'MR QUEEN'
 - 2) POSITION FIXING WAS CONTROLLED BY POS-MIP POS POSITIONING SYSTEM
 - 3) NORBIT 'MMMS MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT BATHY SURVEY.
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING SURVEY. BPP AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - 5) BENCH MARK AT JNPA LANDING QUAY (BOLLARD) IS 7.375 ABOVE CHART DATUM. BPP - 6.70m, BUNK ROCK - 9.90m.
 - 6) POS-MIP WAS USED TO COMPENSATE SEA SWELL.
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN NAD DRAWING.
 - 8) ALL POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTPCW, DCI & VOPL.
 - 9) ALL PLOTTED DATA IN 0.1m 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	298.257223603
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 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

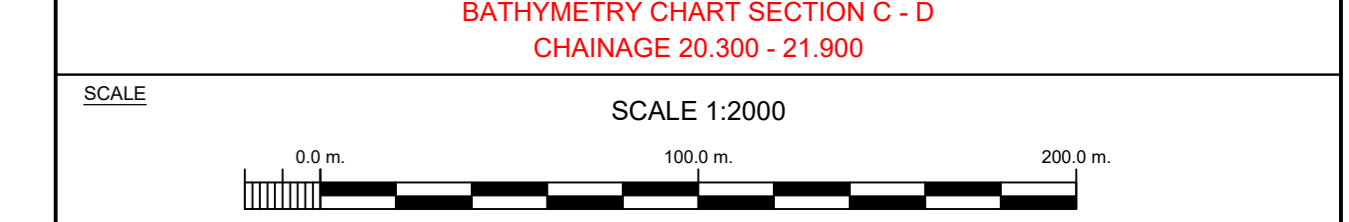
P&C: **NATIONAL TECHNOLOGY CENTRE FOR PORTS WATERWAYS AND COASTS IIT MADRAS**
 CHENNAI - 600 038
 TEL : +91 44 22578915

CONTRACTOR: **DREDGING CORPORATION OF INDIA LIMITED**
 DREDGE HOUSE, HB COLONY MAIN ROAD, SEETHAMMAHARA,
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SUB-CONTRACTOR: **VAN OORD INDIA PRIVATE LIMITED**
 201, 2ND FLOOR CENTRAL PLAZA
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 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
CHANGAGE 20,300 - 21,800



Vessel: MR QUEEN Survey Date: 09 & 14 May 2026		Authorized Signatory	
Rev. No.	Date	Description	
0	14/05/2026	Issued For Approval	
Drawing No: 34.3652-JNPA-POST-CD-317		VOPL	JNPA
		DCI	JNPA
		NTPCW	JNPA
		JNPA	JNPA
		Chart	Plot
			P-Box End