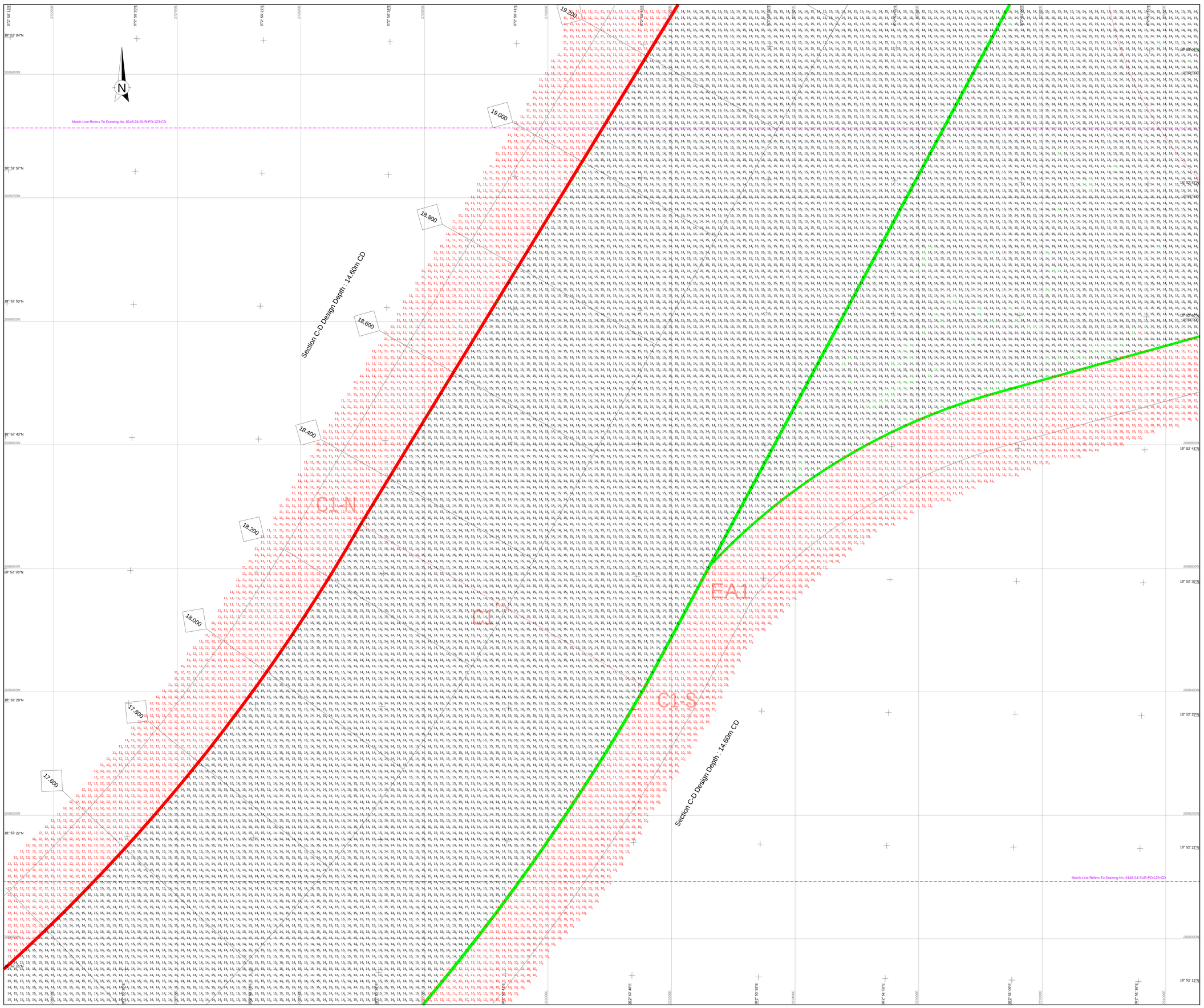
BATHYMETRY CHART



LEGEND:

GENERAL

UTM GRID INTERSECTION (WGS84)

GEOGRAPHICAL GRID INTERSECTION (WGS 84)

KILOMETRE POST

MATCH LINE

TOE LINE OF CHANNEL

Section C-D Design Depth : 14.60m (Without Tolerance)

Emergency Anchorage Area Design Depth : 14.60m (Without Tolerance)

BATHYMETRY

WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

NOTES:

1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
2) POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERX POSITIONING SYSTEM.
3) KONGSBERG EM2040C 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) MOTION SENSOR OCTANS WAS USED TO COMPENSATE SEA SWELL.
7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
8) ALL JOINT POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTCPWC (IITM), DCI & ISDPL.
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	:	298.2572236
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:

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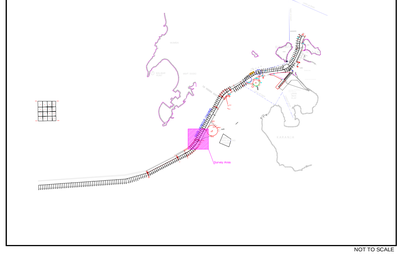
LOCATION MAP



NOT TO SCALE

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

INTERNATIONAL SEAPORT DREDGING PVT LTD
Olympia Cyberspace
9th Floor,21/22,Alandur Road
Guindy,Chennai - 600032.
Tel Fax : +91(0) 44 43 12 99 01

PROJECT

JOINT POST SURVEY - 2025
MULTI-BEAM BATHYMETRY SURVEYS IN NAVIGATIONAL AREA OF JN PORT NAVI MUMBAI & MUMBAI PORT CHANNEL WEST COAST OF INDIA
FY 2024-25

BATHYMETRY CHART (SECTION C-D)

CHAINAGE 17.600 - 19.200

SCALE

HORIZONTAL SCALE 1 : 2000

40m 0m 40m 80m 120m 160m 200m

Vessel : ME QUEEN | Survey Date : 01.02 & 04 Apr 2025 | Authorized Signatory

Rev. No:	Date:	Description:	ISDPL	ISDPL	DCI	NTCPWC IIT MADRAS	JNPA	JNPA	JNPA
0	12-04-2025	Issued For Approval							

Drawing No:

6148-24-SUR-PO-124-CD

Chart: Encl: P.Size: A0