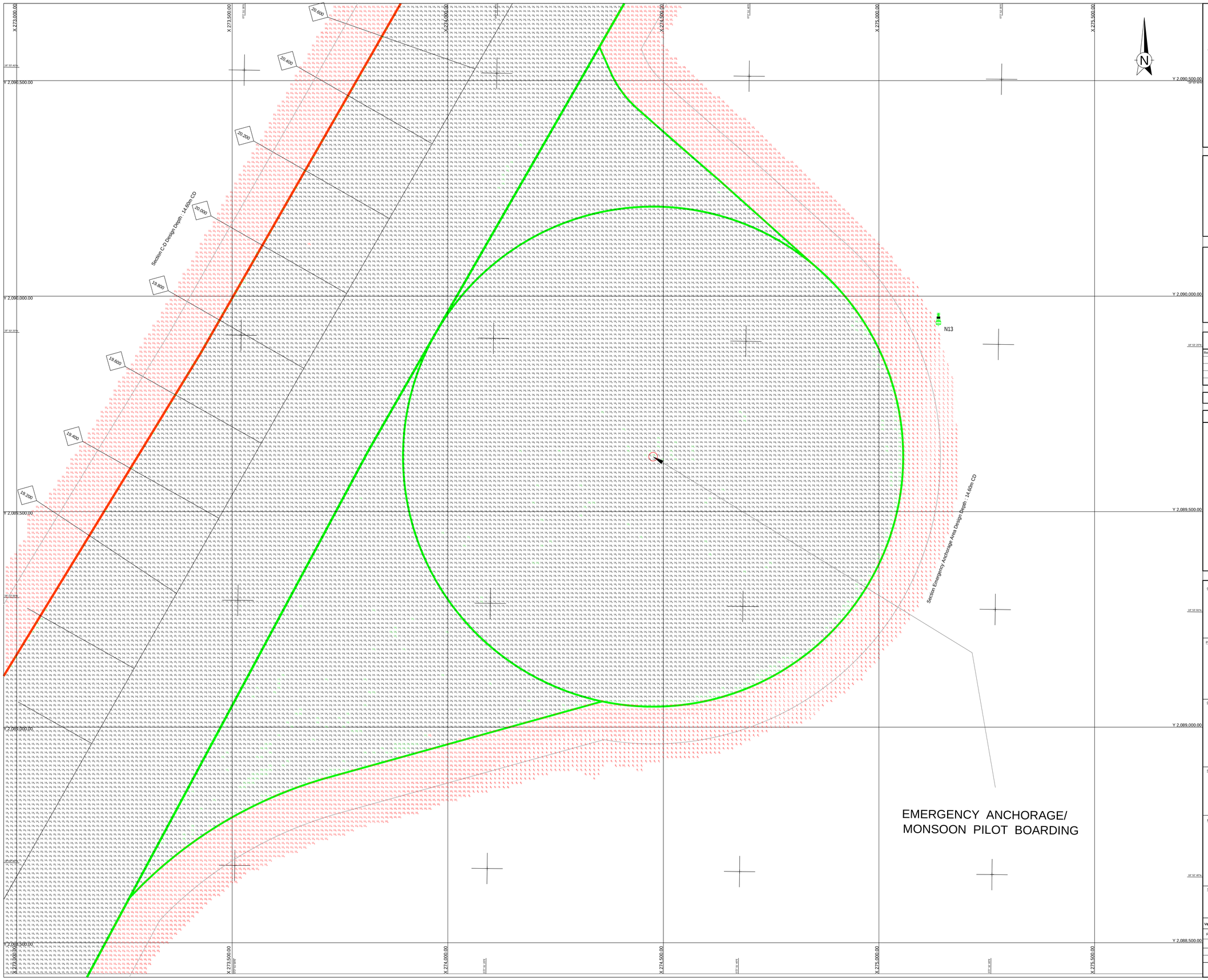



## LEGEND:

### GENERAL

UTM GRID INTERSECTION (WGS84)

GEOGRAPHICAL GRID INTERSECTION (WGS 84)

KILOMETRE POST

MATCH LINE

TOE LINE OF CHANNEL

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 x 10m GRID SIZE.

## GEODETIC PARAMETERS

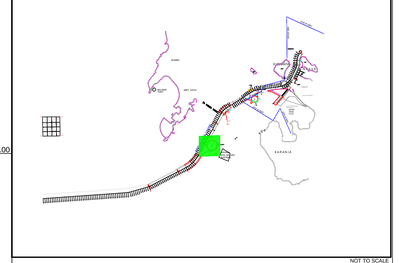
| | | |
|---|---|---|
| HORIZONTAL CO-ORDINATE SYSTEM | : | WGS84 |
| GEODETIC DATUM | : | WGS84 |
| ELLIPSOID | : | WGS84 |
| Semi major axis | : | 6378137.000 m |
| Semi minor axis | : | 6356752.314 m |
| Inverse flattening | : | 298.2572236 |
| PROJECTION | : | Universal Transverse Mercator |
| Central 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: |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

This Is The Sole Property Of Dredging Corporation Of India Limited. Unauthorised Use Of This Document In Any Form Whatsoever Is Prohibited.

## 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
**INTERNATIONAL SEAPORT DREDGING PVT LTD**
Olympia Cyberspace
9th Floor,21/22,Alandur Road
Arulagiammanpet
2nd Street, 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 (Emergency Anchorage Area)
CHAINAGE 19.200 - 20.600

SCALE

**HORIZONTAL SCALE 1 : 3000**

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

**Vessel** : ME QUEEN | Survey Date : 01 & 02 Apr 2025

| Rev. No: | Date: | Description: |
|---|---|---|
| 0 | 12-04-2025 | Issued For Approval |

Authorized Signatory: ISDPL | ISDPL | DCI | NTCPWC IIT MADRAS | JNPA | JNPA | JNPA

Drawing No: 6148-24-SUR-PO-126-EAA

Chart: | Encl: | P.Size: A0