



LEGEND:

GENERAL

- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRE POST
- MATCH LINE
- TIDE LINE OF CHANNEL

Section E-F Design Depth : 14.40m (Without Tolerance)
Berth Pockets Design Depth : 16.20m (Without Tolerance)
Nhava Jetty Design Depth : 03.00m (Without Tolerance)

BATHYMETRY

WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

NOTES:

- SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'ME QUEEN'
- POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM
- KONGBERG ECHOLOG MULTIBeam ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
- OBSERVED TIDE FROM CHART DATUM WAS 1.45 AT JAPA LANDING JETTY. BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
- BENCH MARK AT JAPA LANDING JETTY (BOLLARD) IS 7.375 m ABOVE CHART DATUM. BPX = 6.70m, Sunk Rock = 5.783m
- MOTION SENSOR OBTAIN WAS USED TO COMPENSATE SEA SWELL
- SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING
- ALL JOINT POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTPCW (ITM), DCI & ISDPL
- ALL PLOTTED DATA IN 10m x 10m GRID SIZE

GEODEIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODEIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356583.814 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

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, SEETHAMMAHADHARA,
VISAKHAPATNAM - 530 022
ANDHRA PRADESH STATE, INDIA
TEL: +91 0891-2523520 - +91 0891-2671230

SUB-CONTRACTOR:

INTERNATIONAL SEAPORT DREDGING

INTERNATIONAL SEAPORT DREDGING PVT LTD
Olympia Cyberpark
9th Floor, 21/22, Alandur Road
Aralogammanpet
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 SECTION E - F
CHANNAGE 33.200 - 34.400**

SCALE:

HORIZONTAL SCALE 1 : 2000

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

Vessel 'ME QUEEN' Survey Date : 24, 26 Mar & 20 Apr 2025

Rev. No.	Date	Description	Authorized Signatory
0	21-04-2025	Issued For Approval	

Drawing No:	Chart	Emd.	P Size: AD
6148-24-SUR-PO-112-EF			