



**LEGEND:**

**GENERAL**

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

Section E-F Design Depth : 14.40m (Without Tolerance)

**BATHYMETRY**

WATER DEPTH IN METRES & DECI-METRES BELOW CHART DATUM

**NOTES:**

- SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'ME QUEEN'
- POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM
- KONGSBERG ECHOLOGIC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
- OBSECTED FROM AUTOMATIC TIDE GAUGE INSTALLED 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 3.75m ABOVE CHART DATUM. BPX = 6.70m, Sunk Rock = 5.70m
- HOTON SENSOR OBTAIN WAS USED TO COMPENSATE SEA SWELL
- SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN A CAD DRAWING
- ALL JOINT POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NITPCWC (ITM), DCI & ISDPL
- ALL PLOTTED DATA IN 10m x 10m GRID SIZE

**GEODETTIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODETTIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356583.344 m
Inverse flattening	298.2572226
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	73° E Zone 49
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**

**CLIENT**

**JAWAHARLAL NEHRU PORT AUTHORITY**

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SHEVA,  
NAVI MUMBAI - 400 707  
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**PMC**

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**CONTRACTOR**

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**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  
CHANGING 31 200 - 33 200**

**SCALE**

**HORIZONTAL SCALE 1 : 2000**

Vessel ME QUEEN Survey Date : 24.02.27.20 May 14.16.6.17 Apr 2025

Authorized Signatory

Rev. No.	Date	Description
0	18-04-2025	Issued For Approval

Drawing No: 6148-24-SUR-PO-113-EF

Chart: Encl: P-Size: A0