



**LEGEND:**

**GENERAL**

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

**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.
- KONGSBERG EK6045C MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
- OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY. BPS AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
- BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 3.73m ABOVE CHART DATUM. BPSX = 6.70m, SUNK ROCK = 6.70m.
- MOTION SENSOR OCTANE WAS USED TO COMPENSATE SEA SWELL.
- SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN NAD COORDINATE.
- ALL JOINT POST SURVEY ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTPCW (ITM), DCO & 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	6356752.314 m
Inverse flattening	298.2572226
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	74° E (Zone 48)
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**

ADMINISTRATION BUILDING,  
SHEVA,  
NAVI MUMBAI - 400 707

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**PMC**

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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 DE  
CHAINAGE 26.000 - 27.200**

**SCALE**

**HORIZONTAL SCALE 1 : 2000**

Vessel "ME QUEEN" Survey Date : 28, 29, 31 Mar & 16 Apr 2025

Authorized Signatory

Rev. No.	Date	Description	ISDPL	ISDPL	ISDPL	ISDPL	ISDPL	ISDPL
0	19-04-2025	Issued For Approval						

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Chart: Encl: P-Size: A0