BATHYMETRY CHART

LEGEND:

GENERAL

UTM GRID INTERSECTION (WGS84)

GEOGRAPHICAL GRID INTERSECTION (WGS 84)

KILOMETRE POST

MATCH LINE

TOE LINE OF CHANNEL

BMCT Maintained level : 14.40m (Without Tolerance)

BMCT Berth Pocket Maintained Level : 16.20m (Without Tolerance)

Section E-F Maintained level : 14.40m (Without Tolerance)

Section E-F Berth Pocket Maintained Level: 16.20m (Without Tolerance)

Manoeuvering area Maintained Level : 11.20m (Without Tolerance)

LB2 Berth Maintained Level : 12.20m (Without Tolerance)

Coastal Berth Maintained Level : 11.00m (Without Tolerance)

LB3 Berth Maintained Level : 15.20m (Without Tolerance)

LB4 Berth Maintained Level : 12.20m (Without Tolerance)

BATHYMETRY

10_0 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 (LAT/LONG) 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

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CONSULTANT

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IIT MADRAS

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CONTRACTOR

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SUB-CONTRACTOR

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PROJECT

JOINT POST SURVEY 2024
MULTI-BEAM BATHYMETRY SURVEYS IN NAVIGATIONAL AREA OF JN PORT NAVI MUMBAI & MUMBAI PORT CHANNEL WEST COAST OF INDIA
FY 2023-24

BATHYMETRY CHART (LB-CB-SECTION EF & BMCT Ph2)

CHAINAGE 30,400 - 31,200

SCALE

HORIZONTAL SCALE 1 : 2000

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

Vessel :ME QUEEN	Survey Date :	28 & 29th Feb 2024 & 04th & 05th Apr 2024	Authorized Signatory					
Rev. No:	Date:	Description:	Prepared Engineer ISDPL	Approved by ISDPL	Project In Charge DCI	NTCPWC IIT MADRAS	JNPA	JNPA
0	07-04-2024	Issued For Approval						

Drawing No: 6148-SUR-PO-084-EF

Chart: | End: | P.Size: A0