BATHYMETRY CHART

MbPT Turning Circle

OIL JETTY

Section D-E Design Depth : 14.40m CD

Section JNPA - Anchorage Area Design Depth : 11.20m CD

Limit of JNPA Port

Fishing Net Area

JNPA ANCHORAGE

Star Beacon (Y-19)

Unan Patch Beacon

JNP-SC-05

DATUM : WGS-84, CM-75, ZONE-43
DESIGN DEPTH IN NAVIGATIONAL CHANNEL (D - E) 14.40 m BELOW CD

LEGEND:

GENERAL

UTM GRID INTERSECTION (WGS84)

GEOGRAPHICAL GRID INTERSECTION (WGS 84)

KILOMETRE POST

MATCH LINE

TOE LINE OF CHANNEL

Section D-E Design Depth : 14.40m (Without Tolerance)
Section JNPA Anchorage Area Design Depth : 11.20m (Without Tolerance)

BATHYMETRY

10 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 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	:	0.9996O

REFERENCE DRAWINGS

Rev. No.	Date:	Drawing No.	Description:

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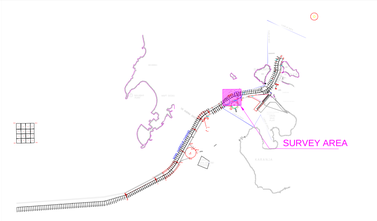
LOCATION MAP



NOT TO SCALE

CLIENT

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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-EF
CHAINAGE 27.200 - 28.800 DE & 28.800-29.000 EF

SCALE

HORIZONTAL SCALE 1 : 2000

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

Vessel : ME QUEEN | Survey Date : 27,28,29,31 Mar &16 Apr 2025 | Authorized Signatory

Rev. No.:	Date:	Description:							
0	18-04-2025	Issued For Approval	ISDPL	ISDPL	DCI	NTCPWC IIT MADRAS	JNPA	JNPA	JNPA

Drawing No:
6148-24-SUR-PO-116-DE

Chart: Encl: P.Size: A0