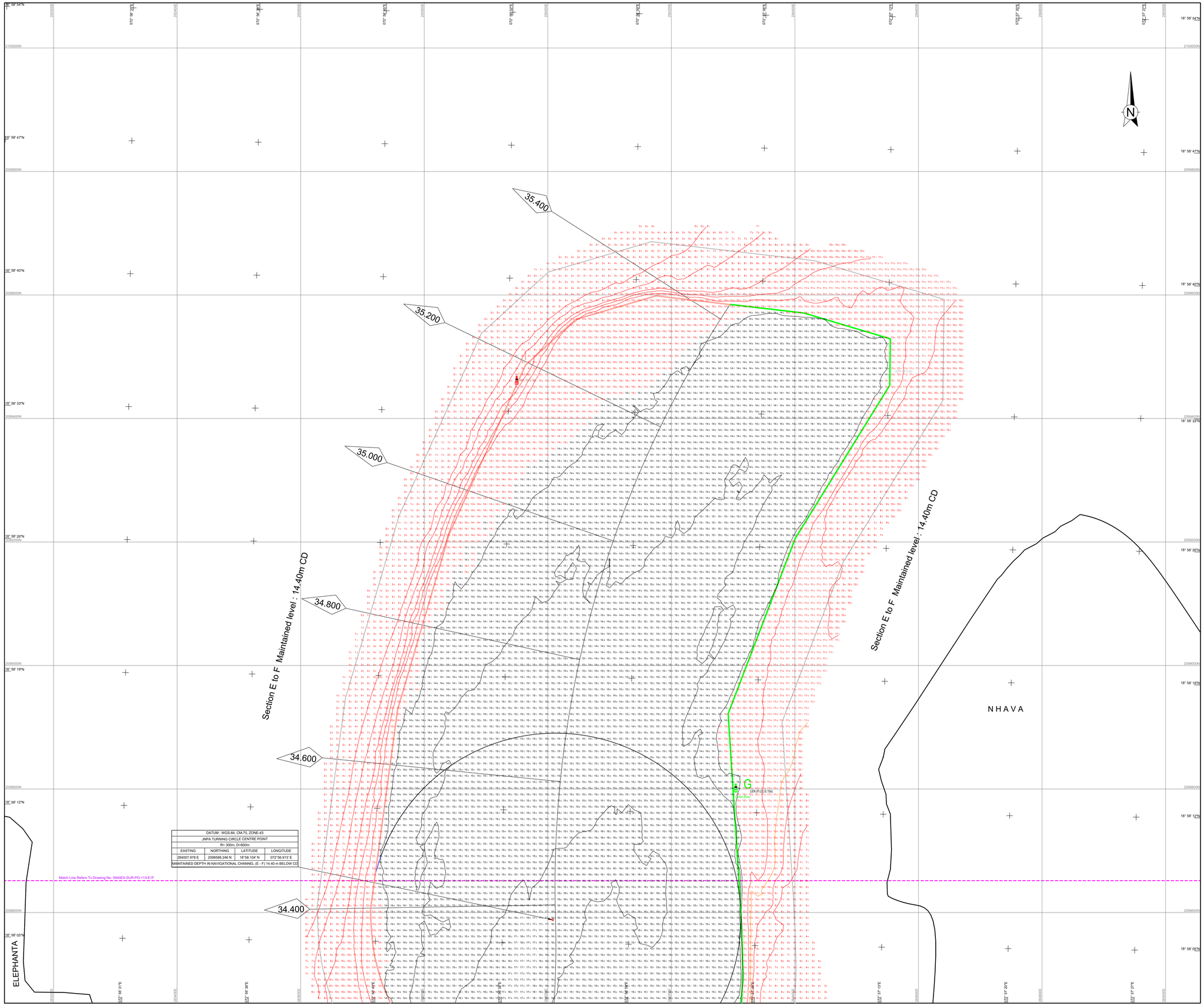
BATHYMETRY CHART



DATUM : WGS-84, CM-75, ZONE-43			
JNPA TURNING CIRCLE CENTRE POINT			
Rr- 300m, D=600m			
EASTING	NORTHING	LATITUDE	LONGITUDE
284007.978 E	2098588.246 N	18°58.104' N	072°56.913' E
MAINTAINED DEPTH IN NAVIGATIONAL CHANNEL (E - F) 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 E-F Maintained level : 14.40m (±15 cm Tolerance)

BATHYMETRY

- WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM
- BATHYMETRY CONTOUR

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 CARRIED OUT JOINTLY 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	:	298.257226
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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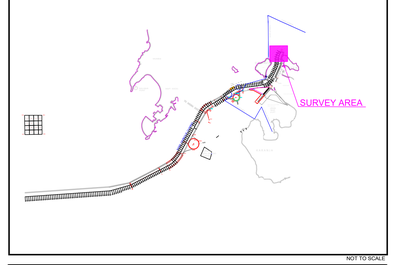
LOCATION MAP



NOT TO SCALE

CLIENT

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PROJECT

JOINT POST SURVEY - MAR 2023
MULTI-BEAM BATHYMETRY SURVEYS
IN NAVIGATIONAL AREA OF JN PORT
NAVI MUMBAI & MUMBAI PORT CHANNEL
WEST COAST OF INDIA
FY 2022-23
BATHYMETRY CHART SECTION E - F
CHAINAGE 34.400 - 35.400

SCALE

HORIZONTAL SCALE 1 : 2000

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

Vessel : ME QUEEN | Survey Date : 21st, 25th Mar & 01st Apr 2023 | Authorized Signatory

Rev. No:	Date:	Description:	Prepared by ISDPL	Approved by ISDPL	Project In-Charge DCI	NTCPWC IIT MADRAS	JNPA	JNPA	JNPA
0	03-04-2023	Issued For Approval							

Drawing No: 5940EX-SUR-PO-112-E1F | Chart: | Encl: | P.Size: A0