

**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 (Without Tolerance)  
Both Points Maintained level: 16.20m (Without Tolerance)

**BATHYMETRY**

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

- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY CONTROLLED "NO QUAY"
  - 2) POSITION FIXING WAS CARRIED FROM SEPTENTRIO AESTERIX POSITIONING SYSTEM
  - 3) KONGSBERG EMOXAC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
  - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY. BPK AND SLURK ROCK WERE USED FOR RECORDING RAW WATER DEPTH TO CHART DATUM
  - 5) BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 2.25m ABOVE CHART DATUM, B.P. & 6.70m, SLURK ROCK & 5.75m.
  - 6) MOTION SENSOR OCTANUS WAS USED TO COMPENSATE SEA SWELL.
  - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT ANCA DURING
  - 8) ALL JNPA POST SURVEYS WERE JOINTLY CARRIED OUT BY BENTON - JNPA, IITM, DGI & ISDPL.
  - 9) ALL PLOTTED DATA IN 10x10m GRID SIZE.

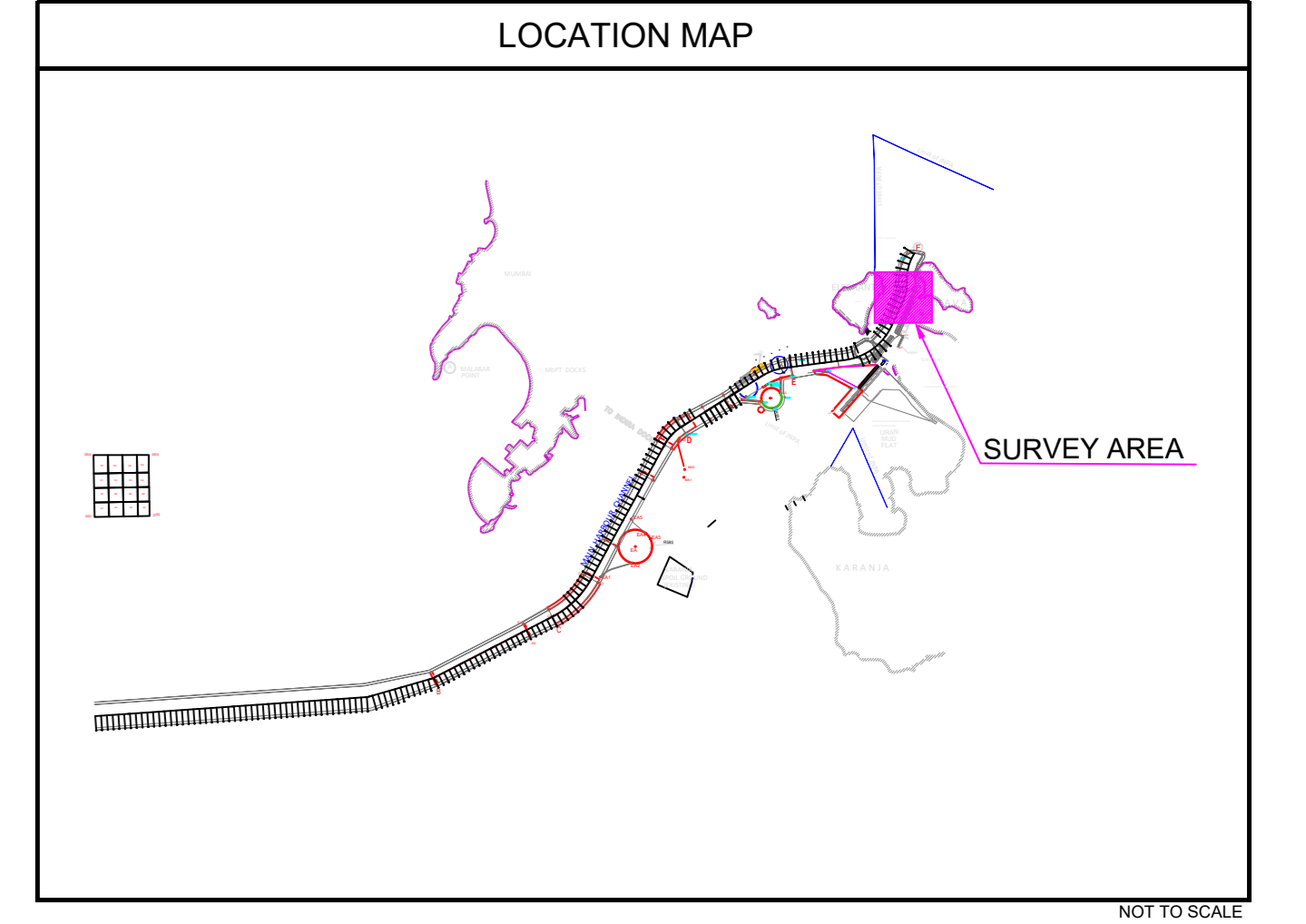
**GEODEIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	: WGS84
GEODEIC DATUM	: WGS84
ELLIPSOID	: WGS84
Semi minor axis	: 6356732.144 m
Inverse Flattening	: 298.25722356
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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**PROJECT: JOINT POST SURVEY MULTI-BEAM BATHYMETRY SURVEYS IN NAVIGATIONAL AREA OF JN PORT NAVI MUMBAI & MUMBAI PORT CHANNEL WEST COAST OF INDIA FY 2021-22**

**BATHYMETRY CHART (SECTION E-F) CHANAGE 33.400 - 34.800**

**SCALE: HORIZONTAL SCALE 1 : 2000**

0m 20m 40m 60m 80m 100m 120m 140m 160m 180m 200m

Rev. No.	Date	Description	Authorized Signatory
0	03-05-2022	Issued For Approval	

Drawing No: 5940-SUR-PO-110-E-F | Chart: End | P: Size: A0