

LEGEND:

- GENERAL
- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETER POST
- MATCHLINE
- TOE LINE OF CHANNEL
- BATHYMETRY
- WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

- NOTES:**
- 1) SURVEY WAS CARRIED OUT FROM VESSEL AERO-EXPRESS FROM 06th May to 16th May 2020
 - 2) POSITION FIXING WAS CONTROLLED FROM SEPTETRIO ASTERIX POSITIONING SYSTEM
 - 3) HORIZONTAL BENCH MARK WAS USED TO CORRECT THE SURVEY
 - 4) OBSERVED TIDE GAUGE WAS INSTALLED AT JETTY LANDING SYSTEM WAS USED FOR REDUCING
 - 5) WATER DEPTH TO CHART DATUM
 - 6) VALUE OF BENCH MARK AT JETTY LANDING JETTY (BOLLARD) IS 3.75 METER ABOVE CHART DATUM
 - 7) MOTION SENSITIVE SWELL WAS USED TO CORRECT THE SURVEY
 - 8) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT

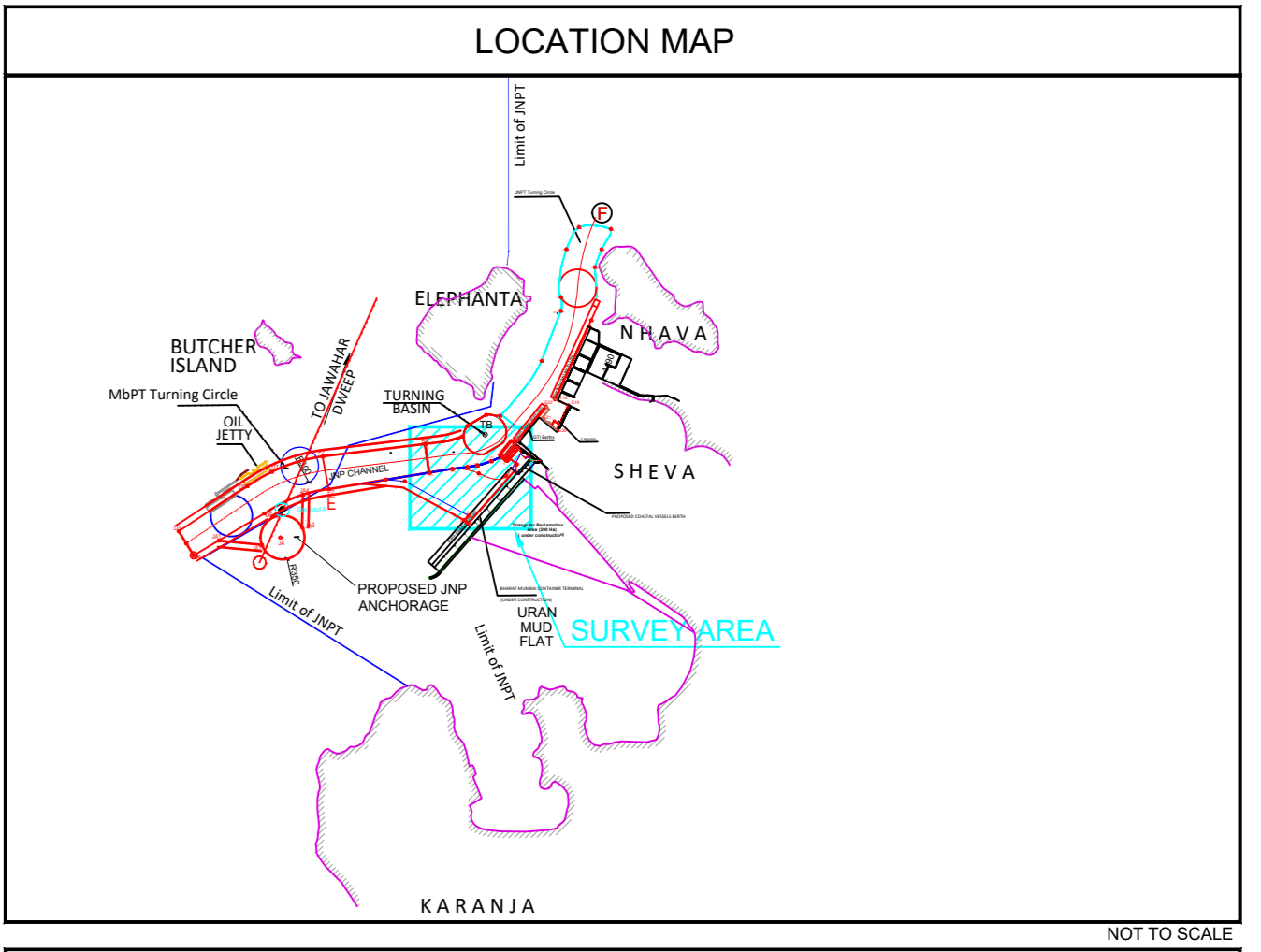
GEODEIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODEIC DATUM	ELLIPSOID
Semi major axis	6378137.000 m
Semi minor axis	6356752.314 m
Inverse flattening	298.2572226
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	75° E (Zone 43)
Latitude of Origin	0° 00' 00"
Fake Northing	0.000000 m
Scale factor at CM	1.000000

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description
00	13-05-2020	5752_SURF_P010_Sheet_A0	Excluded Lead Sounding & 181 Benth Pocket

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CLIENT

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CONSULTANT

**NATIONAL TECHNOLOGY CENTRE FOR PORTS
WATERWAYS AND COASTS
IIT MADRAS
CHENNAI - 600 036**

CONTRACTOR

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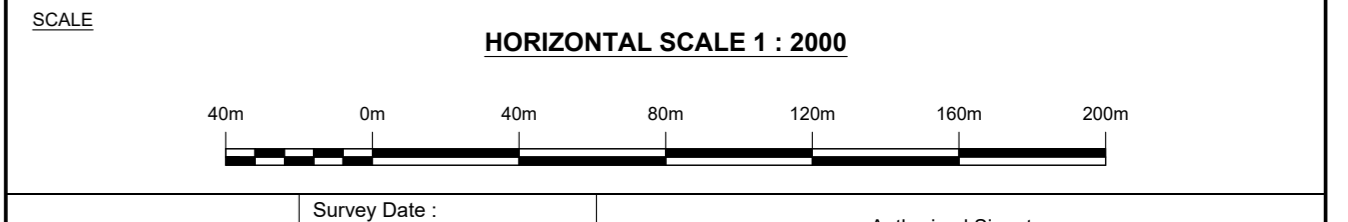
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PROJECT

**JOINT POST-SURVEY
MULTI-BEAM BATHYMETRY SURVEYS
IN NAVIGATIONAL AREA OF JN PORT
NAVI MUMBAI, WEST COAST OF INDIA**

BATHYMETRY CHART (SECTION E-8 & BMCT)



Vessel: AERO EXPRESS	Survey Date: 06th May to 16th May 2020	Authorized Signatory
Rev. No.	Date	Description
1	19-05-2020	Issued For Approval
0	15-05-2020	Issued For Approval
Drawing No:	5752-SUR-P-010_Sheet	Chart: 1 OF 1
Scale:	1:2000	Sheet: 1 OF 1