

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:**
- SURVEY WAS CARRIED OUT FROM VESSEL AERO EXPRESS FROM 09th May to 09th May 2020
 - POSITION FIXING WAS CONTROLLED FROM SEPTEMIOTR ASTERIX PORTING SYSTEM
 - KONGSBERG ENDOMIC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
 - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPT LANDING JETTY WAS USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - VALUE OF BENCH MARK AT JNPT LANDING JETTY (BOLLARD) IS 3.75 METER ABOVE CHART DATUM.
 - MOTION SENSOR OBTAINERS WERE USED TO COMPENSATE SEA SWELL.
 - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT.

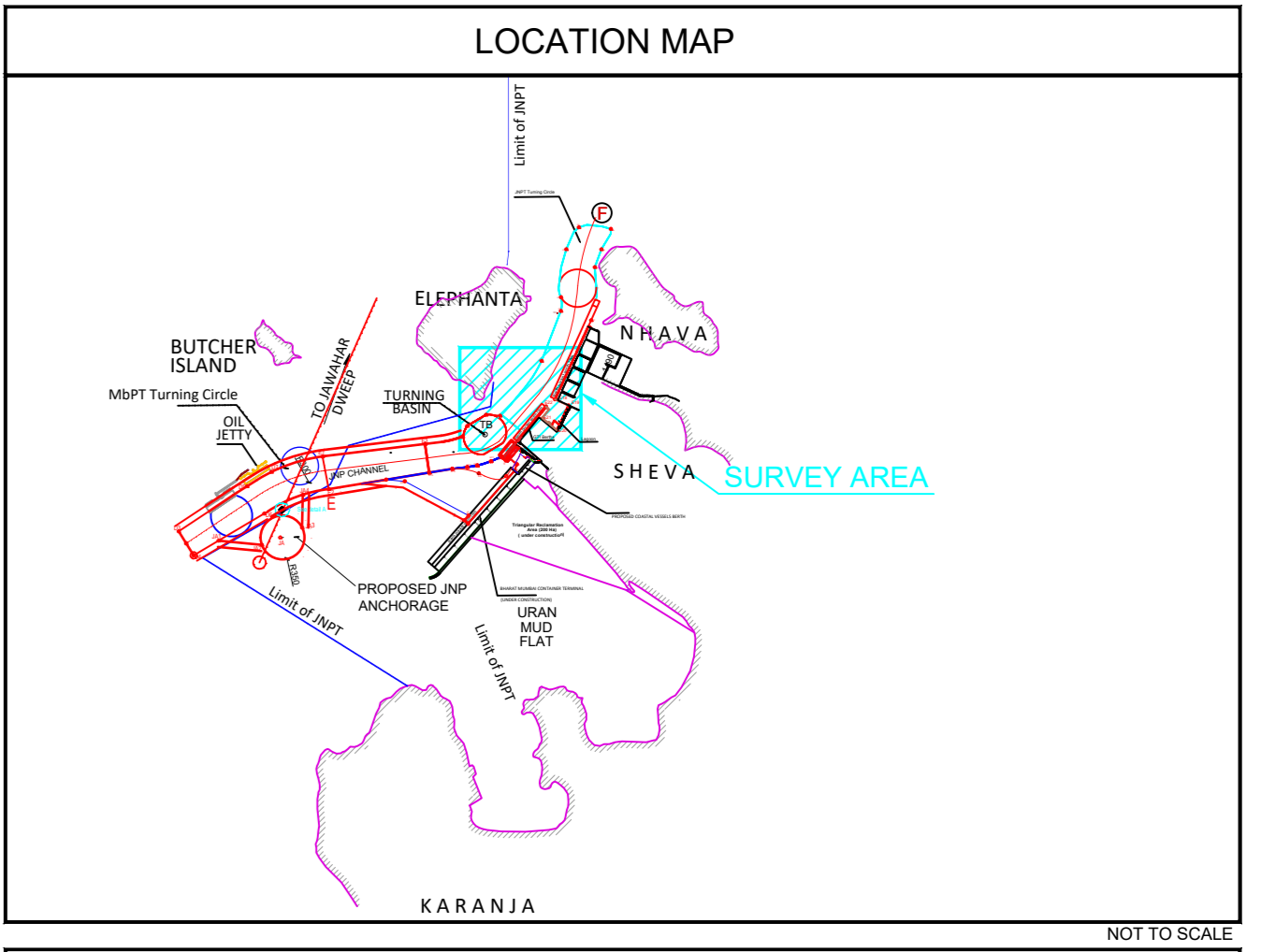
GEOIDETIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEOIDETIC DATUM	WGS84
ELLIPSOID	WGS84
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)
Falsure of Origin	5000000 m
Falsure Northing	0 m
Scale factor at CM	0.99960

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description

This is the Sole Property of Dredging Corporation Of India Limited. Unauthorised Use Of This Document In Any Form Whereinsoever is Prohibited.



CLIENT

JAWAHARLAL NEHRU PORT TRUST

ADMINISTRATION BUILDING,
SHEVA,
NAVI MUMBAI - 400 707
Tel. : 022 6781 4156/681 4154, Fax. : 022 6781 4178

NATIONAL TECHNOLOGY CENTRE FOR PORTS WATERWAYS AND COASTS

IIT MADRAS
CHENNAI - 600 036

CONTRACTOR

DREDGING CORPORATION OF INDIA LIMITED

DREDGE HOUSE, PORT AREA
VISAKHAPATNAM - 530 001
ANDHRA PRADESH STATE, INDIA
TEL. : +91 22 2202437 Fax : +91 22 2505681

SUB-CONTRACTOR

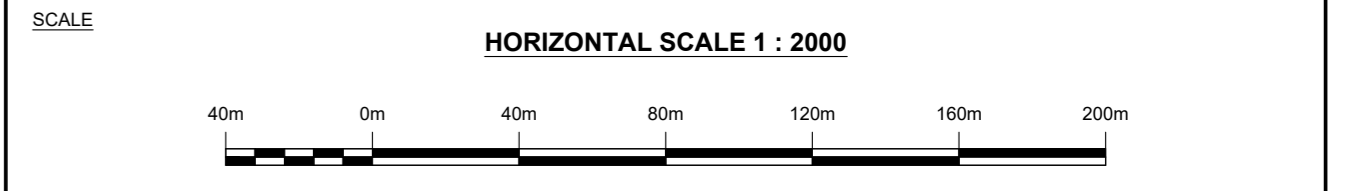
INTERNATIONAL SEAPORT DREDGING PVT LTD.

5th Floor Chaitany Tower
Old No 62 New No 113 D, Raghunathra Salai,
Chennai - 600 008
Tel Fax : +91 43 4312900

PROJECT

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

BATHYMETRY CHART (SECTION E & FM CT)



Vessel:	AERO EXPRESS	Survey Date:	09th May to 09th May 2020	Authorized Signatory:	
Rev. No.:	0	Date:	13-05-2020	Issued For:	Approval
Drawing No.:	5752-SUR-PO-010_Sheet	Chart:	3 OF 5	Envd.:	1 OF 1