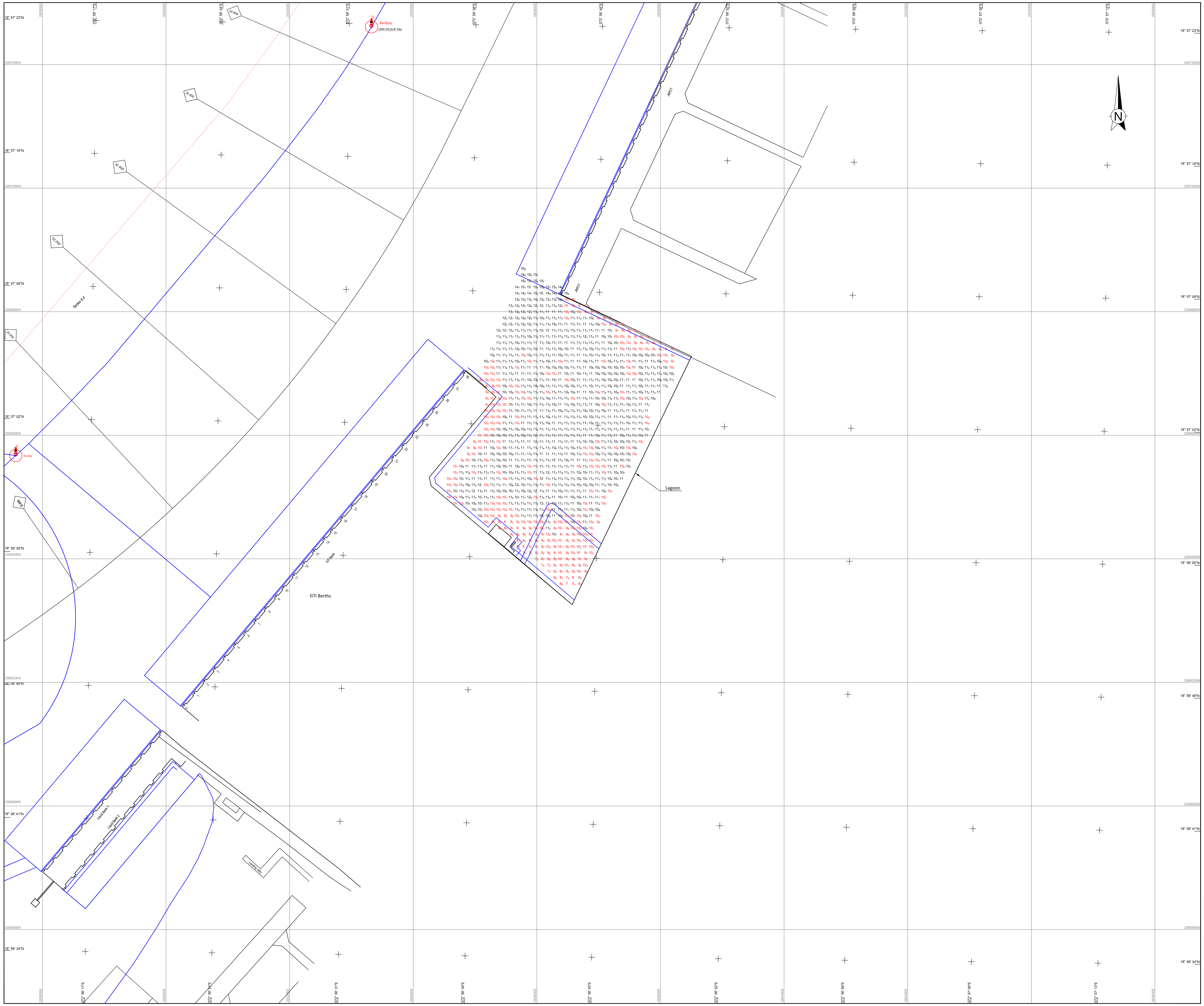
BATHYMETRY CHART



LEGEND:

GENERAL

UTM GRID INTERSECTION (WGS84)

GEOGRAPHICAL GRID INTERSECTION (WGS 84)

30.000 KILOMETER POST

TOE LINE OF CHANNEL

BATHYMETRY

10_5 WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

NOTES:

1) SURVEY WAS CARRIED OUT FROM VESSEL SADGURU KRUPA AT 18th JUNE 2020
2) POSITION FIXING WAS CONTROLLED FROM TRIMBLE SPS 855 POSITIONING SYSTEM.
3) RESON SEABAT 8125 MULTIBEAM ECHOSOUNDER (FREQUENCY 450 KHz) WAS DEPLOYED TO CARRY OUT MBES SURVEY.
4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPT LANDING JETTY WAS USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
5) VALUE OF BENCH MARK AT JNPT LANDING JETTY (BOLLARD) IS 7.375 METER ABOVE CHART DATUM.
6) MOTION SENSOR SEATEX MRU 5 WAS USED TO COMPENSATE SEA SWELL.
7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT.

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	:	0.99960

REFERENCE DRAWINGS

Rev. No.	Date:	Drawing No.	Description:

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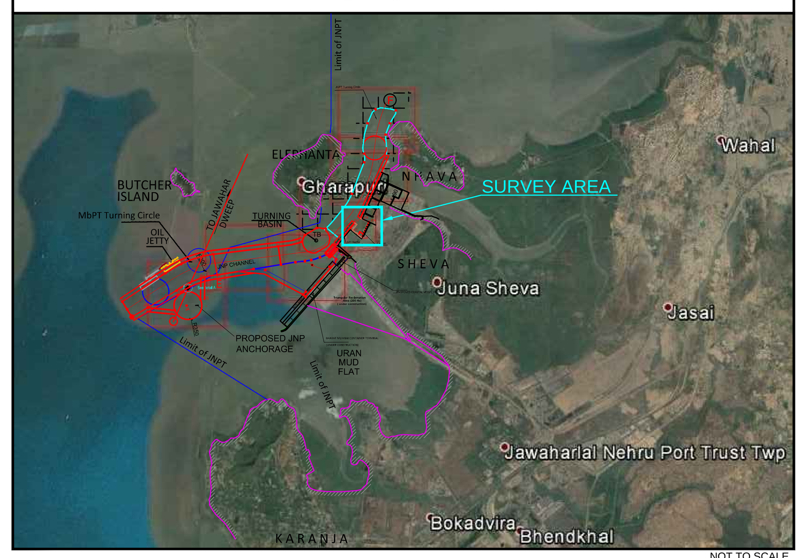
LOCATION MAP



NOT TO SCALE

CLIENT

JAWAHARLAL NEHRU PORT TRUST

ADMINISTRATION BUILDING,

SHEVA,

NAVI MUMBAI - 400 707

Tel. : 022 6781 4156/ 6781 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 22022437 Fax : +91 22 2560581

SURVEY CONTRACTOR

GEOSERVICES MARITIME PVT. LTD.

Plot no D 14/15, Sector 6, Vijay Marg,

New Panvel (E), Navi Mumbai - 410206

Tel Fax : +91 22 2749 0588

Email : operations@geoservicesmaritime.com

PROJECT

POST SURVEY

MULTI-BEAM BATHYMETRY SURVEYS

IN NAVIGATIONAL AREA OF JN PORT

NAVI MUMBAI, WEST COAST OF INDIA

BATHYMETRY CHART (LAGOON AREA)

SCALE

HORIZONTAL SCALE 1 : 2000

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

Vessel : SADGURU KRUPA	Survey Date : 18th JUNE2020	Authorized Signatory				
Rev. No:	Date:	Description:	Sudhir Walia Director Geoservices	B.K. Roy Project In-Charge DCI	R.D. Sonawane Asst. Manager (D&S), JNPT	Prof. K. Murali NTCPWC IIT MADRAS	S.V. Madabhavi Chief Manager (PPD), JNPT
0	19-06-2020						

Drawing File No:	Drawing No:	Chart:	Encl:	P.Size:
P-SUR-017	P-SUR-017-DCI-JNPT-LAGOON_06	1 OF 1	1 OF 1	A0