

LEGEND:

GENERAL

- Geographical Area Intersection (GAI)
- Navigation Point
- Artificial Land
- True Line of Channel

BATHYMETRY

- Bathymetry in Meters & Decimals Below Chart Datum

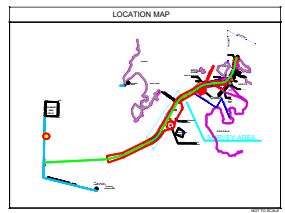
- NOTES:**
- 1) SURVEY WAS CARRIED OUT FROM VESSEL ACRO EXPRESS ON 03 MAY 2018.
 - 2) POSITION FIXING WAS CONTROLLED FROM GPS/RTK AND RTK POSITIONING SYSTEM.
 - 3) KNOWLEDGE ENGINEER MS. TRIVAS MOGHESEKAR WAS DEPLOYED TO CARRY OUT BEAM SURVEY.
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT MBPT WAS USED FOR REDUCING RAW WATER DEPTHS TO CHART DATUM.
 - 5) VALUE OF BEAM WAVE AT MBPT SET BY INSTALLING BY MS. GEODETICERS SAME AS USED BY DCL.
 - 6) MOTION SENSOR DATA WAS USED TO COMPENSATE SEA SWELL.
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT.

GEODETTIC PARAMETERS

COORDINATE SYSTEM	WGS84
PROJECTION	UTM
UNIT	METER
SCALE FACTOR	0.9996093022838
FALSE EASTING	500000
FALSE NORTING	10000000
ELLIPSOID	WGS 84
SEMI-MAJOR AXIS	6378137
SEMI-MINOR AXIS	6356752.314245179
FLATTENING	2.58618614E-05
PRIME MERIDIAN	75° 00' 00" E
UTM ZONE	48Q
UTM LETTERING	Q
UTM EASTING	500000
UTM NORTING	10000000

REFERENCE DRAWINGS

Ref. No.	Date	Drawing No.	Description



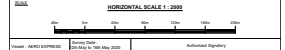
JAWAHARLAL NEHRU PORT TRUST
 ADMINISTRATIVE BUILDING,
 SHEVA,
 NAVI MUMBAI - 400 707
 Tel: +91 22 8781 4556/4781/4784 Fax: +91 22 8781 4778

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

DREDGING CORPORATION OF INDIA LIMITED
 DREDGE HOUSE, PORT AREA
 VEERAWANTHAM - 520 001
 ANDHRA PRADESH STATE, INDIA
 TEL: +91 22 25524377 Fax: +91 22 2552581

INTERNATIONAL SEAPORT DREDGING PVT. LTD.
 8B, 100th Anniversary Tower
 Old No. 80, Park Road, 112, 22, Government Plaza,
 Chennai - 600 002
 Tel: Fax: +91 44 42128800

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



Rev. No.	Date	Description	Author	Checked	Approved
1	03/05/2018	For Approval			
2					

Drawing No: JNSD-WR-PLD-2018-04 Date: 03/05/2018 Scale: 1:2000