

LEGEND:

- GENERAL
 - UTM GRID INTERSECTION (WG84)
 - GEOGRAPHICAL GRID INTERSECTION (WGS 84)
 - KILOMETRE POST
 - MATCH LINE
 - TOE LINE OF CHANNEL
- BATHYMETRY
 - WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

Section C-D Maintained level: 14.60m (Without Tolerance)
Section B-C Maintained level: 15.40m (Without Tolerance)

NOTES:

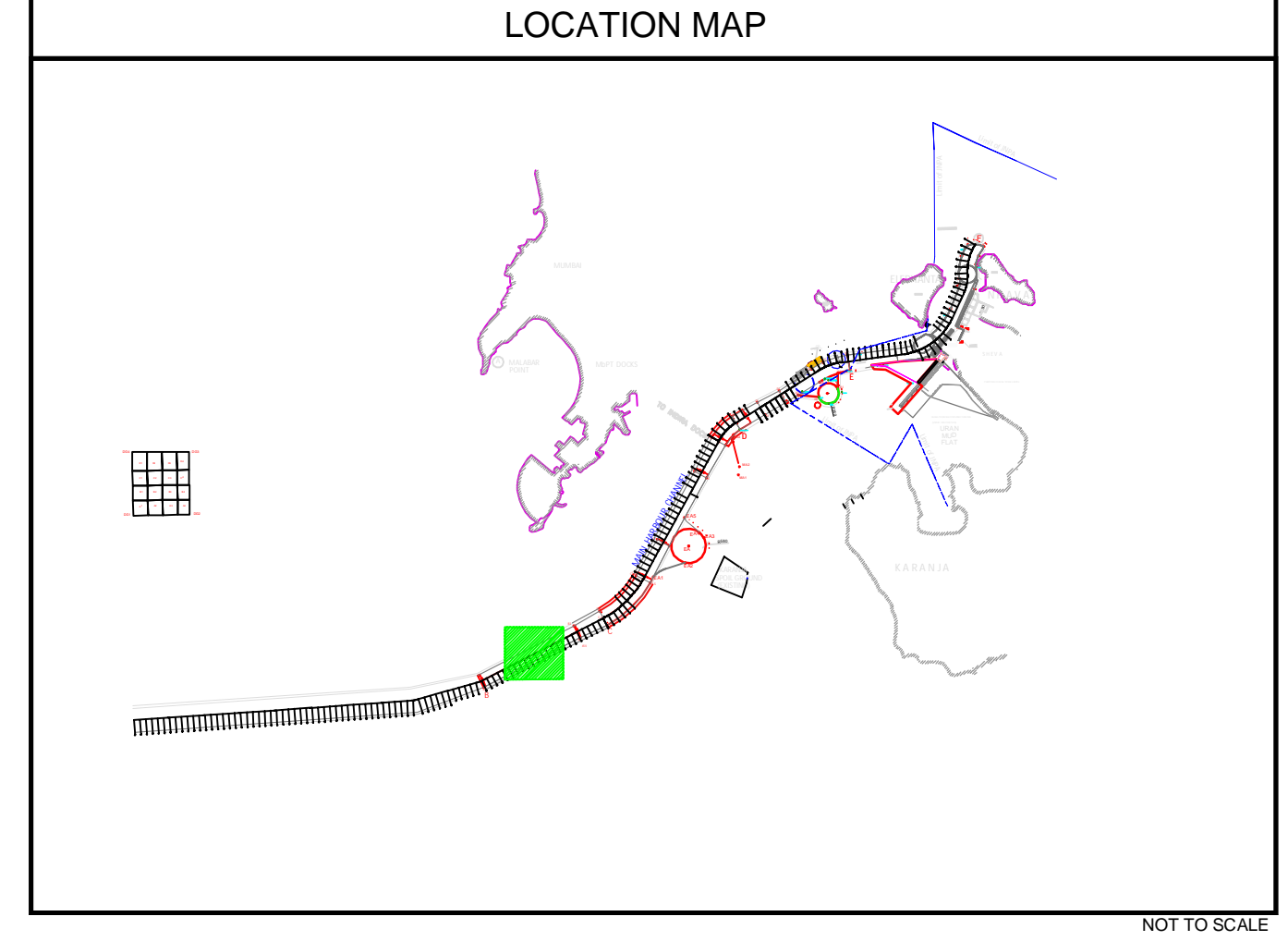
- SURVEY WAS CARRIED OUT BY SURVEY VESSEL "THE QUEEN"
- POSITION FIXING WAS CONTROLLED FROM SPLITTING ASTERIX POSITIONING SYSTEM
- KONGSBERG EMARAC MULTIBeam ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
- OBSERVED TIME FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANA LANING JETTY, BUNK AND SINK ROCK WERE USED FOR REDUCING RAW WATER DEPTHS TO CHART DATUM
- BENCH MARK AT ANA LANING JETTY (BOLLARD) IS ABOVE CHART DATUM. B.M. = 6.70m, Bank Rock = 5.70m
- MOTION SENSOR OCTANUS WAS USED TO COMPENSATE SEA SWELL.
- SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT AN CAD DRAWING.
- ALL PORT PAIRED SURVEYS ARE JOINTLY CARRIED OUT BETWEEN -JNA, NCTPCP (TM), DCI & ISPL.
- ALL PLOTTED DATA IN 10m x 10m GRID SIZE.

GEODETIC PARAMETERS

HORIZONTAL COORDINATE SYSTEM :	WG84
GEODETIC DATUM :	WG84
ELLIPSOID :	WG84
Semi major axis :	6378137.000 m
Semi minor axis :	6356752.314 m
Flattening :	298.257226
PROJECTION :	Universal Transverse Mercator
Central Meridian (CM) :	75° E (Zone 43)
Latitude of Origin :	0°
Fake Northing :	500000 m
Fake Easting :	0 m
Scale factor at CM :	0.99980

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description:



CLIENT: JAWAHARLAL NEHRU PORT AUTHORITY
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CONTRACTOR: DREDGING CORPORATION OF INDIA LIMITED
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PRODUCT: JOINT POST SURVEY - 2024 MULTI-BEAM BATHYMETRY SURVEYS IN NAVIGATIONAL AREA OF JN PORT NAVI MUMBAI & MUMBAI PORT CHANNEL WEST COAST OF INDIA FY 2023-24 BATHYMETRY CHART (SECTION B-C) CHANGE 12.700 - 14.600

SCALE: HORIZONTAL SCALE 1 : 2000

10m 0m 80m 160m 200m

Vertical: 10m 0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m 110m 120m 130m 140m 150m 160m 170m 180m 190m 200m

Vertical: 10m 0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m 110m 120m 130m 140m 150m 160m 170m 180m 190m 200m

Issue: MR QUEEN (Survey Date: 10th Mar & 16th Apr 2024)	Authorized Signatory							
Rev. No.	Date	Description:	Checked By:	Checked Date:	Drawn By:	Drawn Date:	Appr. By:	Appr. Date:
0	07-04-2024	Issued For Approval						

Drawing No: 6148-SU-PO-098-BC