



**MORMUGAO PORT TRUST**  
**MAINTENANCE DREDGING 2017**  
**JOINT POST DREDGE SURVEY OF**  
**BREAKWATER & MOLE BERTH INNER**  
**SOUNDING IN METRES SCALE 1 : 1000**  
**SURVEYED ON 01 NOV-17**

**GEODETTIC PARAMETERS**  
 Ellipsoid: Everest 1956  
 Semimajor Axis (a) : 6377301.243  
 Reciprocal Flattening (1/f) : 300.8017

**PROJECTION PARAMETERS**  
 Projection Type : Universal Transverse Mercator, Zone 43  
 False Northing : 0 N  
 False Easting : 500000 E  
 Longitude of Central Meridian : 75° E  
 Latitude of Origin : 0° N  
 Scale Factor at Central Meridian : 0.9996

**TRANSFORMATION PARAMETERS FROM WGS 84**  
 DX: -296.79 m    Rotation about X: 0°  
 DY: -735.030 m    Rotation about Y: 0°  
 DZ: -235.26m    Rotation about Z: 0°  
 scale: 0.0 ppm

**DWG No : MD/06/2017**

MERCATOR LTD                      MARINE SURVEYOR

SUPERINTENDING ENGINEER (P)