

RFQ 5856/04/07/2022 ANNEXURE "A"

SCOPE OF DELIVERABLES AND REQUIREMENTS

1. *Area to be covered*

Multibeam bathymetric survey to be conducted of the area presented in Figure 1.

2. *Positioning System*

Differential global positioning system (DGPS) will be used for all survey positioning.

3. *Vertical Datum*

All depths are to be referenced to Chart Datum Harbours (0,700m below MSL).

4. *Method of Measurement*

Depths will be measured by means of a multibeam echo sounder and should be carried out according to pre-determined survey lines ensuring total coverage of the seabed for the area presented in Figure 1.

5. *Calibration*

The calibration of all survey equipment should be completed prior to the start of each survey period.

6. Deliverables

Survey charts are to comply with the following requirements:

- a) Contours are to be drawn at 500mm intervals
- b) Depths are to be shown to one decimal of a meter. Relevant features such as design depths, quays, bollard numbers, breakwaters, buoys, names etc. are to be shown on the plan.
- c) The orientation (north point) of the plan must be indicated.
- d) The date of the survey must be shown
- e) The scale of the plan must be shown.
- f) The volumes and areas of all under depth areas are to be calculated for the survey area.
- g) Final deliverables to be signed off by survey staff.
- h) The completed survey plans shall be presented as follows :
 - 2 x Laminated AO paper prints of the area
 - 1 x Laminated A1 paper print showing all under depth areas. This differential chart is to be produced in green and red, where red indicates all under depth areas and green those areas which are at the correct depth or deeper.
 - 3 x A3 bound paper prints showing all berths and navigational areas.
 - All areas to be provided in PDF format.
 - Provide all Electronic Data in ASCII format and AutoCAD format showing XYZ on the differential plot.