

CONTRACT NO. JUA19/038/TS/BM
TOPOGRAPHICAL SURVEY FOR "MEMOHON TAMBAHAN KERJA-KERJA
PENGUKURAN RUPABUMI BAGI PROJEK MENAIKKAN TARAF SISTEM SALIRAN
KAMPUNG SUNGAI AKAR"

SCHEDULE TO SPECIFICATION

1. The survey consists of Topographical Survey for "TOPOGRAPHICAL SURVEY FOR "MEMOHON TAMBAHAN KERJA-KERJA PENGUKURAN RUPABUMI BAGI PROJEK MENAIKKAN TARAF SISTEM SALIRAN KAMPUNG SUNGAI AKAR", Negara Brunei Darussalam as shown on the annexed diagram.
2. **The job MUST be completed in 2 weeks.** The validity period of the Tender/Quotation for the survey works is twelve months. All tender and quotation document shall be stamp and sign by the Licensed Land Surveyor.
3. The Licensed Land Surveyor must make sure every edge matching is done properly before submitting to Survey Department.
4. Safety of the Surveyor and the workers will be the responsibility of the Licensed Land Surveyor.
5. Scale 1:1000
Key plan and location plan at any suitable scale.
6. All observations and coordinates must be done in Geocentric RSO (GRSO) using Survey Department Continuously Operating Reference Station (CORS) and approved Coordinated Cadastral Infrastructure (CCI) or Geodetic Marks.
7. The main horizontal control shall close better than 1 in 10,000 and the adopted scheme shall have adequate interval connections. The main height control shall close better than $100 \sqrt{K}$ mm where K is the distance in kilometers. The control traverse should be established as close as possible to the perimeter of the area

SPECIFICATION

8. In addition two copies of digital data should be supplied as follows:-
 - AutoCAD 2009 format
 - Coverage's by Coverage's
 - Coverage clean and build for its topology
 - Feature code used follow the Data Dictionary
 - Complete coverage's attribute tables (refer to Digital Data description)
 - Colour and pattern should be followed
 - The parameter boundary of the surveyed area

9. Sheets shall be formatted so as to give contiguous data on minimum number of sheets. It is not necessary to orient adjacent sheets in the same direction.

10. All affected Cadastral Lots including TOLs and their numbers should be indicated in the drawing similar to the "RS0" maps. All the "Simpang No." should be indicated in the drawing where possible. In most places the invert levels of existing drains like earth or concrete are not shown and required to be shown. The location of "tidal valves" and the invert levels should be indicated.

11. The contractor is responsible for obtaining feature names. The survey control information will be supplied by the Surveyor General.

12. All angular and distance observation taken for the purpose of control subsequent Cadastral survey shall be recorded clearly in ink in standard Survey Department Field Books, or any form of printed accepted by the Surveyor General.

NOTICE TO THE CONTRACTORS

13. To be supplied by Contractor.

14. To be supplied by Surveyor General.

15. To be supplied by Contractor.

16. Time of completion of works

For,

"... a penalty of 15 percent of contract price divided by the contract duration in weeks shall be levied against the contractor for each week"

17. Extension of time for completion

For,

Due to unavoidable circumstances, the contractor is entitled to an extension of time provided that an explanation with visual reports shall be forwarded to Surveyor General two weeks (2) before the contract expires. Any extension applied less than the stated time (two weeks) will not be entertained. The Survey General shall determine the amount of such extension and such additional payment the Surveyor General is not bound to take into account any extra additional work or other special circumstances.

18. Submission of JUA Project should be complete as follows:-

- 1 set of hard copy plans in transparencies, 4 sets of paper plans or blue print in A1 size shall be submitted to Survey Department
- Field book
- Computation sheets I reports
- Digital data in ArcINFO format and .dwg format required by the client
- All the existing Simpang No., Junction and Secondary roads should be indicated in the drawing.

19. Payment shall be based upon:—

- Topographical Survey - rate per hectare.
- Monthly progress payments shall be made based upon the Surveyor
- General's certification of work done as proportion of the whole.
- 5% (Five percent) of service charge cost from the total amount of the contract shall be paid to Survey Department for the checking of survey works
- 5% (Five percent) service charge cost shall not be included in the final survey cost quoted
- 90% process payment will be prepared until submission of Final
- Transparency and Digital soft copy.

20. The Surveyor General shall authorize the contractor to commence work, once the signing of the contract document.

All the numbers above are guidelines only