

**CONTRACT NO. JUA20/129/TS/BM**  
**PERMOHONAN TOPOGRAPHICAL BAGI MASJID BARU RPN KAMPONG RIMBA**

**SCHEDULE TO SPECIFICATION**

1. The survey consists Permohonan Topographical Bagi Masjid Baru RPN Kampong Rimba as shown on the annexed diagram.
2. **The area is approximately 2.5 hectare and the job MUST be completed in 3 weeks.** The validity period of the Tender/Quotation for the survey works is twelve months. All tender and quotation document shall be stamped and signed 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. The Licensed Land Surveyor is required to liaise with Survey Department before starting of project, for exact location of the survey site and for further information.
6. The survey report for the staking of the boundary marks shall include the witness diagram and the approximate coordinates of each point.
7. If there any discrepancies relating to the survey works, LLS appointed to submit pre-survey or scheme plan and report to the survey department.
8. Scale, Key plan and location plan at any suitable scale.
9. All observations and coordinates must be done in Geocentric RSO (GRSO) using Survey Department Continuous Operating Reference Station (CORS) and approved Coordinated Cadastral Infrastructure (CCI) or Geodetic Marks.

10. The main horizontal control shall obtain the accuracy better than 1 in 10,000 and the adopted scheme shall have adequate interval connections. The main height control shall obtain the accuracy 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 of interest.

## **SPECIFICATION**

11. In addition two copies of digital data should be supplied as follows:-

- AutoCAD 2009 format
- Shape File Format
- Topography Coverage by Coverage (layers)
- Coverage clean and build for its topology
- Feature code used to 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

12. Drawing 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.

13. All affected Cadastral Lots including TOLs and their numbers should be indicated in the drawing similar to the "R80" maps. All the "Simpang No." should be indicated in the drawing. 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.

14. The Licensed Land Surveyor is responsible for obtaining feature names. The survey control information will be supplied by the Surveyor General.

15. All angular and distance observations 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**

16. To be supplied by Contractor.

17. To be supplied by Surveyor General.

### **18. Time of completion of works**

**For,**

Penalty starting at 5 % (five percent) of the project price according to the week of late submission will be imposed and referred to the table in the letter (Ruj: (01)dlm.SS/TOPO/G/40; Dated: 4 July 2020).

## **SPECIFICATIONS**

19. Extension of time for completion

For,

**Due to unavoidable circumstances, the contractor is entitling 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.

### **20. 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 CAD format (dwg format) required by the client
- All the existing Simpang No., Junction and Secondary roads should be indicated in the drawing.

21. 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.
- Five percent should be paid to Survey Department for the checking of survey works
- Five percent cost shall not be included in the final survey cost
- 90% process payment will be prepared until submission of Final
- Transparency and Digital soft copy.

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

**All the numbers above are guidelines only**