

**JABATAN UKUR
KEMENTERIAN PEMBANGUNAN
NEGARA BRUNEI DARUSSALAM**



**UKUR021
BORANG SEBUTHARGA
/ QUOTATION FORM**

Bilangan Sebutharga/ *Quotation Number*: : QTN/070/2024/2025

Tarikh Tutup/ *Closing Date*: : 4th November 2024 @ 2.00 pm

Sila isikan nama maklumat di bawah / *Please fill in the information below* :

Nama Syarikat / :
Company Name

Nama Pemilik Berdaftar / :
Registered Owner

Alamat Syarikat / :
Company Address

Dimaklumkan Syarikat Tuan / Puan dipelawa untuk memberikan sebutharga bagi barang / perkhidmatan yang disenaraikan di bawah dengan mengisi ruang sebutharga. / *Please provide a quotation for the following items by filling in the appropriate column.*

15-10-2024

Tarikh/ *Date*



T.T. Ketua Bahagian dan Cap/
HoS's Signature and Stamp

Nota:

Borang sebutharga hendaklah di isi dengan maklumat syarikat yang lengkap. Pihak Jabatan tidak akan menerima mana-mana borang yang tidak lengkap dan akan dikira batal.

Note:

The quotation form must be filled with complete company information. The Department will not accept any form that is incomplete and will be considered invalid.

BIL/ No	KETERANGAN BARANG DAN PERKHIDMATAN/ <i>Description of Items and Services</i>	BANYAK / Quantity	HARGA SEUNIT/ Price Per Unit	JUMLAH/ Total
	Testing, Investigating, Analysing and Identifying the Suitability of GNSS Multipath Mitigation Assessment at two [2] New Proposed GNSS CORS Brunei Darussalam :- a. LAB2 [LABU – TEMBURONG DISTRICT] b. TERA [SUNGAI TERABAN – BELAIT DISTRICT] Specification for these projects are as follows:-			
1.	The Expectation of two [2] detailed / comprehensive Reports for each location shall includes of:- I. Criteria of GNSS performance:- a. Accuracy b. Integrity c. Continuity d. Availability II. Criteria of GNSS Analysis :- a. Satellite visibility and geometry analysis. b. Minimum 24 hours multipath analysis with the effect of the difference elevation mask and quadrant. i. Measure Signal-to-Noise Ratio (SNR) to generate elevation-dependent multipath risk map/multipath index mapping ii. Perform pseudorange and carrier phase analysis multipath indices. c. Identification of any objects and obstacles such as trees, buildings, hills, transmission towers, and watery area at proposed CORS location within a 100m radius.	2 LOTS		

	d. Identification of GNSS cycle-slip occurrences. e. Assessment from Radio Frequency Interference (RFI) survey from nearby communication towers (cellular, radio, electromagnetic noise) i. Interference source location identification checking using spectrum analyser. f. Investigation of internet coverage at the proposed CORS area g. Raw Data of the observation h. Report after proses of raw data III. Criteria of Instruments to be use:- a. Trimble Alloy b. Trimble Zephyr Model 3 Antenna c. Choke Ring Antenna *Notes: Contractor/Company/Vendor shall use their own instruments to do the project. IV. Location of the Site:- a. LAB2 [LABU – TEMBURONG DISTRICT] GAZ No. 5511 b. TERA [TERABAN – BELAIT DISTRICT] GAZ No.9680 Notes: Kindly See attachment A			
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2.	To identify the suitability of positioning and centering GNSS antenna on Proposed tower that have been design by JKR for both locations. *Notes: Awarded Contractor/Company/ Vendor shall liase with JKR regarding :- a. The proposed structure both CORS b. Arrangement of site visit with SD/JKR on the respective areas.	2 LOTS		
3.	To provide three [3] days in-house and two [2] days practical-site training for Survey Department's Employees [JTUKs/KJTUs/JUs/JUDs (Approx 15people)] as follows:- I. Introduction to GPS/GNSS receiver and antenna. II. Criteria for GPS/GNSS site selection and static observation (satellite geometry, interference & multipath pre-checking); III. Hands-on satellite geometry determination and cycle-slip identification. IV. Demonstrate GPS/GNSS multipath error estimation and the multipath source identification. V. Fundamental to GNSS: GPS & GLONASS System; VI. GPS/GNSS Orbit; VII. GPS/GNSS Measurement; VIII. Introduction to RINEX & Orbit Files; IX. GPS/GNSS errors and mitigation; and X. GPS/GNSS positioning technique.	1 LOT		

	*Notes: 1. Practical site training shall be done during collecting the data. 2. In-house Training shall be done in Survey Department. 3. Training Material must be provided by Contractor/Company/Vendor. 4. Full Refreshments must be provided by Contractor/Company/Vendor 5. Certificate competency in GPS/GNSS site inspection shall be provided by Contractor/Company/Vendor			
	** NOTES ** :- Requirements for Contractor/Company/Vendor to join shall provide:- I. Full Circulum Vitae[CV] / Porfolio of GNSS expertise members in a consortium which includes:- a. No. of project Experience in providing GNSS Site (CORS) and Multipath Mitigation Assessment. b. Expertise must be expert in Geodesy [stated in CV] c. Certified on Competency in GPS/GNSS site inspection			
JUMLAH / Total				
JUMLAH DALAM PERKATAAN / Total Amount in Words				
TEMPOH PENYIAPAN PERKHIDMATAN / PEMBEKALAN / PENGHANTARAN <i>Duration of Service/ Supply / Delivery</i>				
SAHLAKU SEBUTHARGA / Price Validity				

Nota/ Note: Untuk Kegunaan Pejabat Sahaja / For Official Use Only:

Nombor Siri Sebutharga: _____ / _____	Sebut harga dibuka oleh: 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ Tarikh: _____
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Makluman kepada Pengurus Syarikat: -

1. Sila kembalikan borang sebutharga ini walaupun pihak awda tidak dapat memberikan sebutharga dan nyatakan "Tidak ada sebutharga" / *Please return this form even if you are unable to quote the price by stating "No Quote".*
2. Bilangan sebutharga hendaklah dibubuh di luar sampul surat apabila mengembalikan borang ke Jabatan ini tanpa tanda niaga atau nama Syarikat/ *Please state the quotation number on the envelope when returning the form without indicating the company's name or company's stamp.*
3. Sila hubungi Pegawai di bawah ini jika ada sebarang pertanyaan:
(*Please contact the following personnel for any queries*) Tel: +673-2382171
 - i) Haji Khairul Abidin Haji Sulaiman Ext: +6737256652
Ext 5201
 - ii) Haji Zoolhilmi bin Haji Matahir Ext: +6738631431
Ext 5206
4. Pihak Jabatan berterima kasih kepada pembekal (Syarikat) yang mengembalikan borang sebutharga. Jika gagal mengembalikan, pihak pembekal (Syarikat) tidak akan dijemput untuk menyertai sebutharga pada masa akan datang. / *We thank the companies for returning the quotation form. Failure to do so, the companies will not be invited for future quotations.*
5. Semua sebutharga mestilah mempunyai Kos, Insuran dan Pengangkutan (CIF) on site dan pemasangan, jika ada. / *All prices must include Cost, Insurance and Freight (CIF) on site and installation, if any.*
6. Sahlaku sebutharga mestilah dinyatakan, jika tidak dinyatakan sebutharga tersebut sah digunakan tanpa had masa. / *The validity of the quotation should be stated. Unless otherwise stated, the quotation is valid for an unlimited period of time.*

7. Pihak pembekal (Syarikat) hendaklah menyenaraikan semua pembekalan barang atau perkhidmatan kerja-kerja yang dilaksanakan secara terperinci di dalam invois mengikut skop yang dinyatakan di dalam dokumen sebutharga atau tawaran. / *The supplier (Company) shall list all supply of goods or services in detail in the invoice according to the scope specified in the quotation.*
8. Bagi kerja-kerja perkhidmatan yang memerlukan pendaftaran Autoriti Kawalan Bangunan dan Industri Pembinaan (ABCI), Kementerian Pembangunan, Negara Brunei Darussalam, pihak pembekal (Syarikat) hendaklah menyertakan salinan **Sijil Pendaftaran Pembekal / Kontraktor** di bawah Autoriti Kawalan Bangunan dan Industri Pembinaan (ABCI), Kementerian Pembangunan, Negara Brunei Darussalam yang masih sah laku. / *For works requiring registration from the Authority on Building Control and Construction Industry (ABCI), the supplier (company) shall provide the **Builder/Contractor Registration Certificate** under ABCI of the Ministry of Development.*
9. Pihak pembekal (Syarikat) hendaklah menyertakan **Sijil Pendaftaran Syarikat** di bawah Bahagian Pendaftaran Syarikat-syarikat dan Nama-nama Perniagaan (ROCBN), Kementerian Kewangan dan *Corporate Registry System* di dalam *One Common Portal*. / *The supplier (Company) shall provide the **Company Registration Certificate** under the Registry of Companies and Business Names (ROCBN) and the Corporate Registry System in the One Common Portal.*
10. Pihak pembekal (Syarikat) akan bertanggungjawab untuk membayar denda ganti rugi jika gagal memberikan perkhidmatan, pembekalan dan penghantaran mengikut spesifikasi yang dinyatakan di dalam sebutharga / kontrak dan mengikut jadual / tempoh yang dipersetujui dengan kadar seperti berikut :
Kadar Denda Ganti Rugi (BND / Sehari) =
$$\frac{15\% \times \text{Jumlah Sebutharga (BND)}}{\text{Tempoh Penyiapan Perkhidmatan / Pembekalan / Penghantaran (Hari)}}$$

The supplier (Company) shall be liable for paying Liquidated and Ascertained Damages (LAD) if it fails to provide service, supply and delivery in accordance with the specifications stated in the quotation / contract and in accordance with the schedule / agreed period at the following rate:

*LAD Rate (BND / Day) =
$$\frac{15\% \times \text{Total Quotation Value (BND)}}{\text{Duration of Service/ Supply / Delivery (No. of Days)}}$$*
11. Sila kembalikan dan disimpan di **Peti Sebutharga** Tingkat 4, Jabatan Ukur. *(Please return this form to the **Quotation Box** provided at 4th Floor, Survey Department).*

Dengan ini saya/kami sebagai pemilik syarikat tidak berpakat sulit dengan Syarikat (Syarikat-Syarikat) lain atau dengan sesiapa dalam menghadapi sebutharga untuk projek yang disebutkan di atas. Kami memahami bahawa berpakat sulit dengan syarikat-syarikat lain adalah suatu kesalahan di bawah **Bab 11, Perintah Persaingan 2015** dan boleh dikenakan penalti kewangan tidak melebihi 10 peratus atau peratusan lain dari perolehan perniagaan bagi setiap tahun pelanggaran bagi tempoh, maksima 3 tahun.

*Herewith, I/We have not colluded with any other company (ies) or any other person or entity in submitting the Tender Proposal for the above-mentioned project. We understand that tender collusion is an offence under **Section 11, Competition Order 2015** and can be liable to a financial penalty of maximum 10 percent or such other percentage of business turnover for each year of infringement for a period, up to a maximum of 3 years.*

Tarikh/ Date

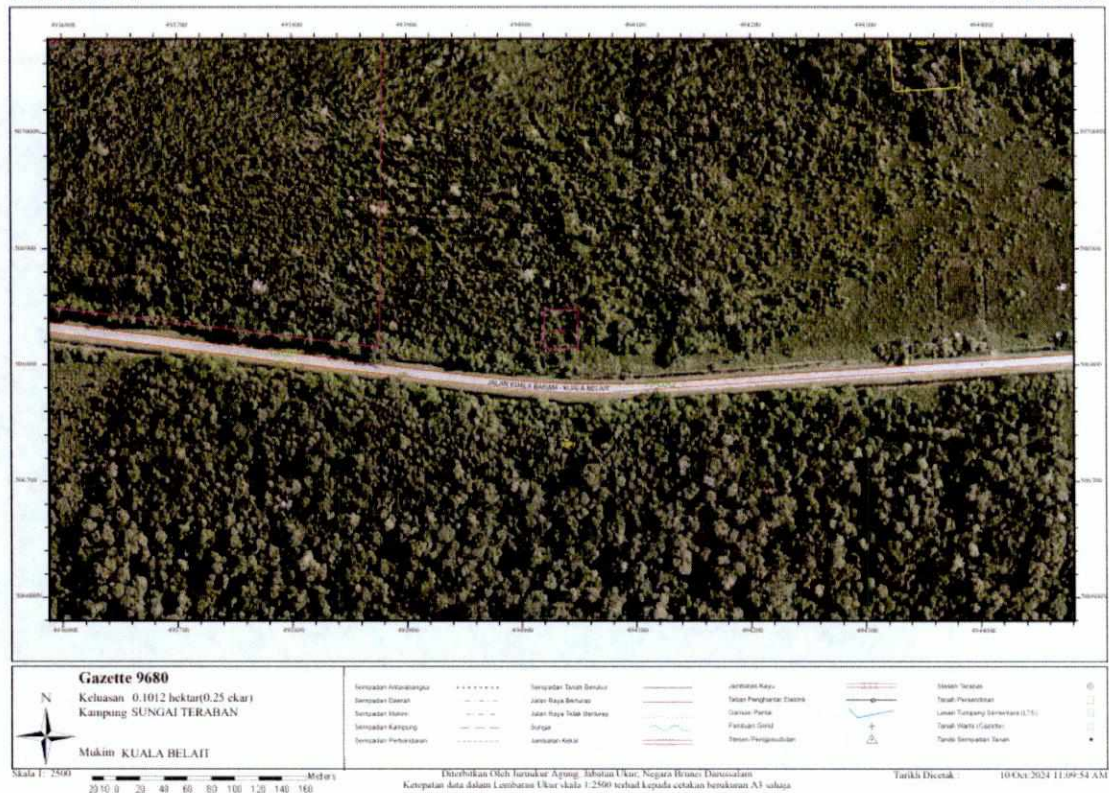
T.T. dan Cop Pembekal. /
Supplier's Signature and Stamp





LEMBARAN 45/9406

DAERAH BELAIT



TERA SITE LOCATION.